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Information technology — Telecommunications and information exchange between systems — XML Protocol for Computer Supported Telecommunications Applications (CSTA) Phase III

Technologies de l'information — Télécommunications et échange d'information entre systèmes — Protocole XML pour applications en télécommunications supportées par ordinateur (CSTA) en phase III

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Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
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Contents

Page

Foreword . . . x
Introduction . . . xi
1 Scope . . . 1
2 Conformance . . . 1
2.1 Static Requirements . . . 1
2.2 Dynamic Requirements . . . 1
2.3 PICS Requirement . . . 1
2.4 XML Tag Options . . . 2
2.4.1 ECMA-323 Specified Tags . . . 2
2.4.2 ISO/IEC 18056 Specified Short Tags . . . 2
2.4.3 Dynamic Transformations . . . 2
2.5 CSTA Over SIP (uaCSTA) Transport Mechanism Option . . . 2
3 References . . . 2
3.1 ISO Standards and Technical Reports . . . 2
3.2 World Wide Web Consortium Specifications . . . 2
4 Definitions and Abbreviations . . . 3
5 CSTA Service Definition Model . . . 3
5.1 Request/Response Interactions . . . 3
5.2 Request/Response Protocol Requirements . . . 3
5.3 Cross Referencing of Event Reports . . . 3
5.4 Handling of Private Data . . . 3
6 Interconnection service boundary . . . 4
7 Association Management . . . 4
7.1 Implicit association . . . 4
7.2 Explicit association . . . 4
8 XML Template Description . . . 5
9 CSTA parameter types . . . 5
9.1 Switching function objects . . . 5
9.2 Device Identifiers . . . 6
9.3 Call and connection identifiers . . . 9
9.4 Connection states . . . 10
9.5 Status reporting . . . 11
9.6 Device and feature types and other parameters . . . 15
9.7 Security . . . 24
9.8 Common extensions . . . 24
9.9 Call control . . . 25
9.10 Capability Exchange . . . 30
9.11 Call Detail Record . . . 92
9.12 Charge information . . . 94
9.13 Data call types . . . 96
9.14 Escape types . . . 96
9.15 Media services . . . 96
9.16 Physical device features . . . 99
9.17 Data Collection . . . 102
9.18 Event Cause . . . 102
9.19 Error Value . . . 104
9.20 Empty (null element) . . . 109
10 Top level schema . . . 109

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11 Capability exchange services . . . 115
11.1 Services . . . 115
11.1.1 Get csta features . . . 115
11.1.2 Get logical device information . . . 116
11.1.3 Get physical device information . . . 117
11.1.4 Get switching function capabilities . . . 118
11.1.5 Get switching function devices . . . 122
11.1.6 Switching function devices . . . 123

12 System services . . . 124
12.1 Registration services . . . 124
12.1.1 Change system status filter . . . 124
12.1.2 System register . . . 124
12.1.3 System register abort . . . 125
12.1.4 System register cancel . . . 126
12.2 Services . . . 126
12.2.1 Request system status . . . 126
12.2.2 System status . . . 127
12.2.3 Switching function capabilities changed . . . 127
12.2.4 Switching function devices changed . . . 128

13 Monitoring services . . . 129
13.1 Services . . . 129
13.1.1 Change monitor filter . . . 129
13.1.2 Monitor start . . . 129
13.1.3 Monitor stop . . . 130

14 Snapshot services . . . 130
14.1 Services . . . 130
14.1.1 Snapshot call . . . 130
14.1.2 Snapshot device . . . 131
14.1.3 Snapshot calldata . . . 132
14.1.4 Snapshot devicedata . . . 133

15 Call control services and events . . . 133
15.1 Services . . . 133
15.1.1 Accept call . . . 133
15.1.2 Alternate call . . . 134
15.1.3 Answer call . . . 134
15.1.4 Call back call-related . . . 135
15.1.5 Call back message call-related . . . 135
15.1.6 Camp on call . . . 136
15.1.7 Clear call . . . 137
15.1.8 Clear Connection . . . 137
15.1.9 Conference call . . . 138
15.1.10 Consultation call . . . 138
15.1.11 Deflect call . . . 139
15.1.12 Dial digits . . . 140
15.1.13 Directed pickup call . . . 140
15.1.14 Group pickup call . . . 141
15.1.15 Hold call . . . 142
15.1.16 Intrude call . . . 142
15.1.17 Join call . . . 143
15.1.18 Make call . . . 143
15.1.19 Make predictive call . . . 144
15.1.20 Park call . . . 146
15.1.21 Reconnect call . . . 146
15.1.22 Retrieve call . . . 147
15.1.23 Send Message . . . 148

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15.1.24 Single step conference call . . . 148
15.1.25 Single step transfer call . . . 149
15.1.26 Transfer call . . . 150
15.2 Events . . . 151
15.2.1 Bridged . . . 151
15.2.2 Call cleared . . . 151
15.2.3 Conferenced . . . 152
15.2.4 Connection cleared . . . 153
15.2.5 Delivered . . . 153
15.2.6 Digits dialed . . . 154
15.2.7 Diverted . . . 155
15.2.8 Established . . . 156
15.2.9 Failed . . . 157
15.2.10 Held . . . 157
15.2.11 Network capabilities changed . . . 158
15.2.12 Network reached . . . 159
15.2.13 Offered . . . 160
15.2.14 Originated . . . 161
15.2.15 Queued . . . 161
15.2.16 Retrieved . . . 162
15.2.17 Service initiated . . . 163
15.2.18 Transferred . . . 164

16 Call associated features . . . 165
16.1 Services . . . 165
16.1.1 Associate data . . . 165
16.1.2 Cancel telephony tones . . . 165
16.1.3 Change connection information . . . 166
16.1.4 Generate digits . . . 166
16.1.5 Generate telephony tones . . . 167
16.1.6 Send user information . . . 168
16.2 Events . . . 168
16.2.1 Call information . . . 168
16.2.2 Charging . . . 169
16.2.3 Digits generated . . . 169
16.2.4 Telephony tones generated . . . 170
16.2.5 Service completion failure . . . 171

17 Media attachment services and events . . . 172
17.1 Services . . . 172
17.1.1 Attach media service . . . 172
17.1.2 Detach media service . . . 173
17.2 Events . . . 173
17.2.1 Media attached . . . 173
17.2.2 Media detached . . . 174

18 Routeing services . . . 175
18.1 Registration services . . . 175
18.1.1 Route register . . . 175
18.1.2 Route register abort . . . 175
18.1.3 Route register cancel . . . 176
18.2 Services . . . 176
18.2.1 Re-Route . . . 176
18.2.2 Route end . . . 177
18.2.3 Route reject . . . 177
18.2.4 Route request . . . 178
18.2.5 Route select . . . 179
18.2.6 Route used . . . 179

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19 Physical device features . . . 180
19.1 Services . . . 180
19.1.1 Button press . . . 180
19.1.2 Get auditory apparatus information . . . 181
19.1.3 Get button information . . . 181
19.1.4 Get display . . . 182
19.1.5 Get hookswitch status . . . 183
19.1.6 Get lamp information . . . 184
19.1.7 Get lamp mode . . . 185
19.1.8 Get message waiting indicator . . . 185
19.1.9 Get microphone gain . . . 186
19.1.10 Get microphone mute . . . 187
19.1.11 Get ringer status . . . 188
19.1.12 Get speaker mute . . . 189
19.1.13 Get speaker volume . . . 189
19.1.14 Set button information . . . 190
19.1.15 Set display . . . 191
19.1.16 Set hookswitch status . . . 191
19.1.17 Set lamp mode . . . 192
19.1.18 Set message waiting indicator . . . 193
19.1.19 Set microphone gain . . . 193
19.1.20 Set microphone mute . . . 194
19.1.21 Set ringer status . . . 194
19.1.22 Set speaker mute . . . 195
19.1.23 Set speaker volume . . . 195
19.2 Events . . . 196
19.2.1 Button information . . . 196
19.2.2 Button press . . . 197
19.2.3 Display updated . . . 197
19.2.4 Hookswitch . . . 198
19.2.5 Lamp mode . . . 198
19.2.6 Message waiting . . . 199
19.2.7 Microphone gain . . . 199
19.2.8 Microphone mute . . . 200
19.2.9 Ringer status . . . 200
19.2.10 Speaker mute . . . 201
19.2.11 Speaker volume . . . 201

20 Logical device features . . . 202
20.1 Services . . . 202
20.1.1 Call back non-call-related . . . 202
20.1.2 Call back message non-call-related . . . 203
20.1.3 Cancel call back . . . 203
20.1.4 Cancel call back message . . . 204
20.1.5 Get agent state . . . 204
20.1.6 Get auto answer . . . 205
20.1.7 Get auto work mode . . . 206
20.1.8 Get call back . . . 206
20.1.9 Get caller id status . . . 207
20.1.10 Get do not disturb . . . 208
20.1.11 Get forwarding . . . 208
20.1.12 Get last number dialed . . . 209
20.1.13 Get routeing mode . . . 209
20.1.14 Set agent state . . . 210
20.1.15 Set auto answer . . . 211
20.1.16 Set auto work mode . . . 211
20.1.17 Set caller id status . . . 212

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20.1.18 Set do not disturb . . . 212
20.1.19 Set forwarding . . . 213
20.1.20 Set routeing mode . . . 214
20.2 Events . . . 214
20.2.1 Agent busy . . . 214
20.2.2 Agent logged off . . . 215
20.2.3 Agent logged on . . . 215
20.2.4 Agent not ready . . . 216
20.2.5 Agent ready . . . 216
20.2.6 Agent working after call . . . 217
20.2.7 Auto answer . . . 218
20.2.8 Auto work mode . . . 218
20.2.9 Call back . . . 218
20.2.10 Call back message . . . 219
20.2.11 Caller id status . . . 219
20.2.12 Do not disturb . . . 220
20.2.13 Forwarding . . . 220
20.2.14 Routeing mode . . . 221

21 Device maintenance events . . . 222
21.1 Events . . . 222
21.1.1 Back in service . . . 222
21.1.2 Device capabilities changed . . . 222
21.1.3 Out of service . . . 223
21.1.4 Partially In service . . . 223

22 I/O services . . . 224
22.1 Registration services . . . 224
22.1.1 I/O register . . . 224
22.1.2 I/O register abort . . . 224
22.1.3 I/O register cancel . . . 225
22.2 Services . . . 225
22.2.1 Data path resumed . . . 225
22.2.2 Data path suspended . . . 226
22.2.3 Fast data . . . 226
22.2.4 Resume data path . . . 227
22.2.5 Send broadcast data . . . 228
22.2.6 Send data . . . 228
22.2.7 Send multicast data . . . 229
22.2.8 Start data path . . . 230
22.2.9 Stop data path . . . 231
22.2.10 Suspend data path . . . 231

23 Data Collection Services . . . 232
23.1 Services . . . 232
23.1.1 Data Collected . . . 232
23.1.2 Data Collection Resumed . . . 234
23.1.3 Data Collection Suspended . . . 234
23.1.4 Resume Data Collection . . . 235
23.1.5 Start Data Collection . . . 235
23.1.6 Stop Data Collection . . . 236
23.1.7 Suspend Data Collection . . . 237

24 Voice services and events . . . 237
24.1 Services . . . 237
24.1.1 Activate . . . 237
24.1.2 Clear . . . 238
24.1.3 Concatenate message . . . 238
24.1.4 Deactivate . . . 239

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24.1.5 Delete message . . . 240
24.1.6 Play message . . . 240
24.1.7 Query voice attribute . . . 241
24.1.8 Queue service . . . 242
24.1.9 Record message . . . 242
24.1.10 Reposition . . . 243
24.1.11 Resume . . . 244
24.1.12 Review . . . 244
24.1.13 Set voice attribute . . . 245
24.1.14 Start . . . 246
24.1.15 Stop . . . 247
24.1.16 Suspend . . . 248
24.1.17 Synthesize message . . . 248
24.2 Events . . . 249
24.2.1 Bookmark reached . . . 249
24.2.2 Completed . . . 249
24.2.3 DTMF detected . . . 250
24.2.4 Emptied . . . 250
24.2.5 Interruption detected . . . 251
24.2.6 Not recognized . . . 251
24.2.7 Play . . . 252
24.2.8 Recognized . . . 253
24.2.9 Record . . . 253
24.2.10 Review . . . 254
24.2.11 Silence timeout expired . . . 254
24.2.12 Speech detected . . . 255
24.2.13 Started . . . 255
24.2.14 Stop . . . 256
24.2.15 Suspend play . . . 256
24.2.16 Suspend record . . . 257
24.2.17 Voice attribute changed . . . 258
24.2.18 Voice error occurred . . . 259

25 Call detail record services . . . 260
25.1 Services . . . 260
25.1.1 Call detail records notification . . . 260
25.1.2 Call detail records report . . . 260
25.1.3 Send stored call detail records . . . 261
25.1.4 Start call detail records transmission . . . 261
25.1.5 Stop call detail records transmission . . . 262

26 Vendor specific extensions services and events . . . 263
26.1 Registration services . . . 263
26.1.1 Escape register . . . 263
26.1.2 Escape register abort . . . 263
26.1.3 Escape register cancel . . . 264
26.2 Services . . . 264
26.2.1 Escape . . . 264
26.2.2 Private data version selection . . . 265
26.3 Events . . . 265
26.3.1 Private event . . . 265

Annex A (normative) Protocol Implementation Conformance Statement (PICS) Proforma . . . 267

Annex B (normative) Registration Template for application/CSTA+XML MIME Media Type . . . 390

Annex C (normative) CSTA Over SIP (uaCSTA) Transport Mechanism . . . 391

Annex D (normative) ECMA-323 Specified Short Tags . . . 393

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Annex E (informative) Protocol Implementation Conformance Statement (PICS) Proforma 468
Annex F (informative) Examples of Connection ID Encodings 469
Annex G (informative) Examples of CSTA-specific XML 470
Annex H (informative) CSTA XML with SOAP 472
Annex I (informative) CSTA XML with SOAP with HTTP 475
Annex J (informative) CSTA XML over TCP 478
Annex K (informative) CSTA Data Type Schema for Encapsulation 480
Annex L (informative) Registration Template for application/CSTAdata+XML MIME Media Type . . . 482
Annex M (informative) Summary of changes in this edition 483

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 18056 was prepared by Ecma International (as ECMA-323) and was adopted, under a special "fast-track procedure", by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, in parallel with its approval by national bodies of ISO and IEC.

This third edition cancels and replaces the second edition (ISO/IEC 18056:2005), which has been technically revised.

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Introduction

This Standard defines an XML protocol for Phase III of Computer Supported Telecommunications Applications (CSTA), 7th edition. This Standard is part of a Suite of Standards and Technical Reports for Phase III of CSTA. All of the Standards and Technical Reports in the Suite are based on practical experience of Ecma member companies and each one represents a pragmatic and widely-based consensus.

Phase III of CSTA extends the previous Phase I and Phase II Standards in major theme directions as well as numerous details. This incorporates technology based upon the *versit* CTI Encyclopedia (Version 1.0), which was contributed to Ecma by *versit*.

The 3rd edition of ECMA-348, Web Services Description Language (WSDL) for CSTA Phase III, specifies a set of WSDL schemas for this 3rd edition of Phase III XML Protocol for CSTA.

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XML Tools Acknowledgement

XML specified in this Standard has been checked using the XML SPY tool.

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Information technology — Telecommunications and information exchange between systems — XML Protocol for Computer Supported Telecommunications Applications (CSTA) Phase III

1 Scope

This International Standard specifies an XML protocol for the services described in ISO/IEC 18051.

This International Standard provides an alternative protocol to the ASN.1 based protocol specified in ISO/IEC 18052.

Clause 5 to Clause 8 inclusive describes the concepts underlying the request/response model, application association, notation and service, and a description of the template used in this International Standard.

Clause 9 to Clause 26 inclusive contains CSTA-specific protocol details and forms the main part of this International Standard.

Annex A specifies the Protocol Implementation Conformance Statement (PICS) for this International Standard.

Examples of CSTA XML encodings are provided in Annex E through Annex J.

2 Conformance

A manufacturer may select any part of the CSTA protocol as specified in this International Standard, for implementation on a system as long as it satisfies the minimum conformance requirements as specified in Clause 2 of ISO/IEC 18051:2007.

A Protocol Implementation Conformance Statement (PICS) shall be used to specify the operations which are provided by a particular implementation. A PICS shall also specify the parameter options which are used.

2.1 Static Requirements

To conform to this International Standard, a system shall support the syntax as defined by the XML 1.0 specification and the structures and data types as defined in the XML Schema Structure and XML Schema Data Types specifications for the purpose of generating and interpreting CSTA protocol information for the operations supported.

2.2 Dynamic Requirements

To conform to this International Standard, a system shall:

a. follow the procedures as specified in this International Standard, and ISO/IEC 18051, relevant to each CSTA operation that the system claims to implement; and

b. satisfy the definitions, as specified in ISO/IEC 18051, relevant to each CSTA service that the system claims to implement.

2.3 PICS Requirement

To conform to this International Standard, the following shall be stated by the implementer when defining a PICS corresponding to an application or implementation:

a. which CSTA operations, as defined in ISO/IEC 18051, are supported by the system for the particular implementation; and

b. which optional parameters are supported by each supported operation.

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A PICS proforma is specified in Annex A of this International Standard.

2.4 XML Tag Options

To conform to this International Standard, a system shall support at least one of the XML tag options listed below.

2.4.1 ECMA-323 Specified Tags

Instance documents shall include the following URI for the namespace and conform to the schemas as specified in Clause 9 through 26 of this International Standard without transformations.

http://www.ecma-international.org/standards/ecma-323/csta/ed4

2.4.2 ISO/IEC 18056 Specified Short Tags

Instance documents shall include the following URI for the namespace and conform to the schemas as specified in Clause 9 through 26 of this International Standard with transformations as specified in Annex D.

2.4.3 Dynamic Transformations

Implementation claiming conformance to this option shall support XML schema transformations e.g. using <?xml-stylesheet> for the schemas specified in Clause 9 through 26.

2.5 CSTA Over SIP (uaCSTA) Transport Mechanism Option

An implementation that conforms to ISO/IEC 18056 can also claim conformance to the “CSTA Over SIP (uaCSTA Transport Mechanism Option” by implementing the SIP and CSTA procedures specified in Annex C.

3 References

3.1 ISO Standards and Technical Reports

ISO/IEC 8649:1996 Information technology — Open Systems Interconnection — Service definition for the Association Control Service Element (this corresponds to ITU-T Rec. X.217 1995)

ISO/IEC 18051:2007 Information technology — Telecommunications and information exchange between systems — Services for Computer Supported Telecommunications Applications (CSTA) Phase III

ISO/IEC 18052:2000 Information technology — Telecommunications and information exchange between systems — Protocol for Computer Supported Telecommunications Applications (CSTA) Phase III

ISO/IEC 22534:2005 Information technology — Telecommunications and information exchange between systems — Application session services

ISO/IEC TR 18053:2000 Information technology — Telecommunications and information exchange between systems — Glossary of definitions and terminology for Computer Supported Telecommunications Applications (CSTA) Phase III

3.2 World Wide Web Consortium Specifications

XML 1.0 XML 1.0. W3C Recommendation February 1998 (revised October 2000)

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XML Schema Part 1 XML Schema Language Part 1: Structures. W3C Recommendation 2 May 2001

XML Schema Part 2 XML Schema Language Part 2: Datatypes. W3C Recommendation 2 May 2001

SOAP 1.1 Simple Object Access Protocol (SOAP) 1.1, W3C Note 08 May 2000

4 Definitions and Abbreviations

CSTA-specific terminology is defined in ISO/IEC TR 18053.

5 CSTA Service Definition Model

CSTA services specified in ISO/IEC TR 18053 are modeled as a request/response interaction.

Typically, one entity requests that a particular operation be performed; the other entity attempts to perform the operation and responds to the requestor.

5.1 Request/Response Interactions

CSTA services consist of the following types of request/response interactions:

- Services which specify a response in case of success or failure. The protocol description for these services includes a response element that represents the success (i.e. positive acknowledgement). In case of service failure, a fault element is used to provide the failure information (i.e. negative acknowledgement).
- Services which only specify a response in case of failure. The protocol description for these services do not include a response element. A fault element is used to provide the failure information (i.e. negative acknowledgement).

For CSTA event reports, no response is generated.

5.2 Request/Response Protocol Requirements

This International Standard specifies CSTA-specific XML-encoded content for messages that are sent across a CSTA Service boundary. Typically this CSTA-specific XML is enveloped by a request/response protocol that provides a mechanism for correlating a CSTA request with a CSTA response, manages faults, defines header information, etc.

This International Standard does not mandate that a specific request/response protocol be used. However, this International Standard provides examples of how the CSTA-specific XML can be used with several industry request/response protocols and transports such as SOAP (Simple Object Access Protocol), HTTP, and TCP. These examples are provided beginning in Annex H.

5.3 Cross Referencing of Event Reports

The Monitor Cross Reference Identifier in CSTA event reports is used to correlate events to an earlier Monitor Start service request (see 6.7.2.1 of ISO/IEC 18051).

5.4 Handling of Private Data

If an entity receives CSTA Private Data in a CSTA message, and it can not recognize the information contained, the CSTA Private Data shall be discarded, and the rest of the message shall be processed.

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6 Interconnection service boundary

The protocol in this InternationalStandard is an OSI Application Layer protocol that assumes certain services are provided by the underlying layers, and these services are also assumed by the protocol for CSTA.

This protocol also provides a mechanism for secure transmission of CSTA messages as defined in this International Standard.

7 Association Management

The protocol in this International Standard operates in the context of an application association as specified in ISO/IEC 18051 Clause 7. This application association can be achieved by:

- an implicit association achieved via off-line agreement; or
- an explicit association that is achieved dynamically.

7.1 Implicit association

An a-priori agreement exists between switching and computing functions: the application context is implicit, dynamic negotiation is not possible. See ISO/IEC 18051 7.1 and 7.2 for more information.

7.2 Explicit association

An explicit application association is established by a process of exchanging messages that define the application context for the association.

This International Standard does not require that a particular standard be used as part of the application association establishment procedure.

When ACSE (ISO/IEC 8649) is used to establish an application association per 7.3 of ISO/IEC 18051, the CSTA Association Information includes CSTA Version information that indicates the CSTA protocol versions supported by an implementation.

The protocol defined in this International Standard is indicated by setting the following bit in the CSTA Version parameter of the CSTA Association Information as defined in 8.2.2 of ISO/IEC 18052.

- versionNine when using the ISO/IEC 18056 Specified Tag option (see 2.4.1)
- versionTen when using the ISO/IEC 18056 Specified Short Tag option (see 2.4.2)
- versionEleven when using the Dynamic Transformation option (see 2.4.3)

Note that the ACSE messages are ASN.1 encoded while the CSTA messages are XML encoded as defined by this International Standard.

ISO/IEC 22534, Application Session Services can also be used to establish an application association per 7.4 of ISO/IEC 18051. When this International Standard is used with ISO/IEC 22534 the following namespace is provided in the requestedProtocolVersions element of the Start Application Session service:

- http://www.ecma-international.org/standards/ecma-323/csta/ed4 when using the ISO/IEC 18056 (ECMA-323) Specified Tag option (see 2.4.1)
- urn:www.ecma-international.org/standards/ecma-323/csta/ed4/short_tags when using the ISO/IEC 18056 (ECMA-323) Specified Short Tag option (see 2.4.2)

http://www.ecma-international.org/standards/ecma-323/csta/ed4/dynamic_transformations when using the Dynamic Transformation option (see 2.4.3)

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8 XML Template Description

This Clause describes the template format used to describe the XML schemas for CSTA services, events, and parameter types as specified in ISO/IEC 18051.

The template consists of the following parts:

- XML header - this consists of the text “<?xml version="1.0" encoding="UTF-8"?>” which identifies the XML version used.
- XML Schema header - this identifies the start of an XML schema and provides information such as:
    - the target namespace. In this edition of the International Standard the target namespace is defined as “http://www.ecma-international.org/standards/ecma-323/csta/ed4”. *Note that this namespace is different than the namespace used in ISO/IEC 18056 (ECMA-323, 1st Edition through ECMA-323, 3rd Edition).*
    - the csta namespace is defined in the same way as the target namespace. XML names that refer to names in the CSTA namespace are prefixed with “csta:”.
    - the xsd namespace. This identifies the XML Schema. XML names that refer to names in the XML Schema namespace are prefixed with “xsd:”.
    - the element form default is specified as “qualified” which requires that all element names must be prefixed with a namespace (csta: or xsd:)
- documentation - this provides a comment that indicates the CSTA specific service, event report, or data-type set.
- included schemas - this provides a list of other CSTA schemas that are referenced by the service, event, or data type set.
- CSTA specific XML:
    - for CSTA services, this consists of a service request element and a service response element. (A comment is provided in some cases where a service response is not specified per ISO/IEC 18051.). This is followed, in some cases, by service-specific XML types that are referenced in the previous elements.
    - for CSTA event reports, this consists of an event report element followed, in some cases, by event-specific XML type definitions that are referenced in the event report element.
    - for CSTA data types, this consists of the data types that are referenced (included) by other CSTA XML schemas.
- XML Schema end tag - indicates the end of the schema.

Note that in general, each parameter defined in ISO/IEC 18051 is represented as an XML element and each parameter type in ISO/IEC 18051 is represented as an XML simple or complex type.

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9 CSTA parameter types

9.1 Switching function objects

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
```

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```
  <xsd:documentation>CSTA-switching-function-objects</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>

 <xsd:complexType name="CSTAObject">
  <xsd:choice>
   <xsd:element name="deviceObject" type="csta:DeviceID"/>
   <xsd:element name="callObject" type="csta:ConnectionID"/>
  </xsd:choice>
 </xsd:complexType>

</xsd:schema>
```

9.2 Device Identifiers

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-device-identifiers</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="empty.xsd"/>

 <xsd:complexType name="ExtendedDeviceID">
  <xsd:choice>
   <xsd:element name="deviceIdentifier" type="csta:DeviceID"/>
   <xsd:element name="notKnown" type="csta:Empty"/>
   <xsd:element name="restricted" type="csta:Empty"/>
  </xsd:choice>
 </xsd:complexType>

 <xsd:complexType name="CallingDeviceID">
  <xsd:complexContent>
   <xsd:extension base="csta:ExtendedDeviceID"/>
  </xsd:complexContent>
 </xsd:complexType>

 <xsd:element name="callingDevice" type="csta:CallingDeviceID"/>

 <xsd:complexType name="CalledDeviceID">
  <xsd:complexContent>
   <xsd:extension base="csta:ExtendedDeviceID"/>
  </xsd:complexContent>
 </xsd:complexType>

 <xsd:element name="calledDevice" type="csta:CalledDeviceID"/>

 <xsd:complexType name="SubjectDeviceID">
  <xsd:complexContent>
   <xsd:extension base="csta:ExtendedDeviceID"/>
  </xsd:complexContent>
 </xsd:complexType>

 <xsd:complexType name="RedirectionDeviceID">
  <xsd:choice>
   <xsd:element name="numberDialed" type="csta:DeviceID"/>
   <xsd:element name="notKnown" type="csta:Empty"/>
   <xsd:element name="notRequired" type="csta:Empty"/>
   <xsd:element name="notSpecified" type="csta:Empty"/>
```

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```
    <xsd:element name="restricted" type="csta:Empty"/>
  </xsd:choice>
</xsd:complexType>

<xsd:element name="lastRedirectionDevice" type="csta:RedirectionDeviceID"/>

<xsd:complexType name="AssociatedCallingDeviceID">
  <xsd:complexContent>
    <xsd:extension base="csta:ExtendedDeviceID"/>
  </xsd:complexContent>
</xsd:complexType>

<xsd:element name="associatedCallingDevice" type="csta:AssociatedCallingDeviceID"/>

<xsd:complexType name="AssociatedCalledDeviceID">
  <xsd:complexContent>
    <xsd:extension base="csta:ExtendedDeviceID"/>
  </xsd:complexContent>
</xsd:complexType>

<xsd:element name="associatedCalledDevice" type="csta:AssociatedCalledDeviceID"/>

<xsd:complexType name="NetworkCallingDeviceID">
  <xsd:complexContent>
    <xsd:extension base="csta:ExtendedDeviceID"/>
  </xsd:complexContent>
</xsd:complexType>

<xsd:element name="networkCallingDevice" type="csta:NetworkCallingDeviceID"/>

<xsd:complexType name="NetworkCalledDeviceID">
  <xsd:complexContent>
    <xsd:extension base="csta:ExtendedDeviceID"/>
  </xsd:complexContent>
</xsd:complexType>

<xsd:element name="networkCalledDevice" type="csta:NetworkCalledDeviceID"/>

<xsd:complexType name="DeviceID">
  <xsd:annotation>
    <xsd:documentation>uses flattened structure</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
    <xsd:extension base="csta:DeviceIDType">
      <xsd:attribute name="typeOfNumber" default="dialingNumber">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:enumeration value="dialingNumber"/>
            <xsd:enumeration value="deviceNumber"/>
            <xsd:enumeration value="implicitPublic"/>
            <xsd:enumeration value="explicitPublic:unknown"/>
            <xsd:enumeration value="explicitPublic:international"/>
            <xsd:enumeration value="explicitPublic:national"/>
            <xsd:enumeration value="explicitPublic:networkspecific"/>
            <xsd:enumeration value="explicitPublic:subscriber"/>
            <xsd:enumeration value="explicitPublic:abbreviated"/>
            <xsd:enumeration value="implicitPrivate"/>
            <xsd:enumeration value="explicitPrivate:unknown"/>
            <xsd:enumeration value="explicitPrivate:level3RegionalNumber"/>
            <xsd:enumeration value="explicitPrivate:level2RegionalNumber"/>
            <xsd:enumeration value="explicitPrivate:level1RegionalNumber"/>
            <xsd:enumeration value="explicitPrivate:pTNSpecificNumber"/>
            <xsd:enumeration value="explicitPrivate:localNumber"/>
            <xsd:enumeration value="explicitPrivate:abbreviated"/>
            <xsd:enumeration value="other"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:attribute>
```

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```
      <xsd:attribute name="mediaClass" type="csta:MediaClassAttribute" default="notKnown"/>
      <xsd:attribute name="connectionRate" use="optional">
       <xsd:simpleType>
        <xsd:restriction base="xsd:long">
         <xsd:minInclusive value="0"/>
        </xsd:restriction>
       </xsd:simpleType>
      </xsd:attribute>
      <xsd:attribute name="bitRate" default="constant">
       <xsd:simpleType>
        <xsd:restriction base="xsd:string">
         <xsd:enumeration value="constant"/>
         <xsd:enumeration value="variable"/>
        </xsd:restriction>
       </xsd:simpleType>
      </xsd:attribute>
      <xsd:attribute name="delayTolerance" type="xsd:long" use="optional"/>
      <xsd:attribute name="switchingSubDomainCCIEType" use="optional">
       <xsd:simpleType>
        <xsd:restriction base="xsd:string">
         <xsd:enumeration value="isdn"/>
         <xsd:enumeration value="atm"/>
         <xsd:enumeration value="isoEthernet"/>
         <xsd:enumeration value="rsvp"/>
         <xsd:enumeration value="sip"/>
         <xsd:enumeration value="other"/>
        </xsd:restriction>
       </xsd:simpleType>
      </xsd:attribute>
      <xsd:attribute name="switchingSubDomainInformationElements" use="optional">
       <xsd:simpleType>
        <xsd:restriction base="xsd:hexBinary"/>
       </xsd:simpleType>
      </xsd:attribute>
    </xsd:extension>
  </xsd:simpleContent>
</xsd:complexType>

<xsd:simpleType name="OtherPlan">
  <xsd:restriction base="xsd:hexBinary"/>
</xsd:simpleType>

<xsd:simpleType name="DeviceIDType">
  <xsd:union memberTypes="csta:OtherPlan csta:Number"/>
</xsd:simpleType>

<xsd:simpleType name="Number">
  <xsd:restriction base="xsd:string"/>
</xsd:simpleType>

<xsd:simpleType name="MediaClassComponents">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="voice"/>
    <xsd:enumeration value="data"/>
    <xsd:enumeration value="image"/>
    <xsd:enumeration value="audio"/>
    <xsd:enumeration value="other"/>
    <xsd:enumeration value="notKnown"/>
    <xsd:enumeration value="chat"/>
    <xsd:enumeration value="email"/>
    <xsd:enumeration value="message"/>
    <xsd:enumeration value="im"/>
    <xsd:enumeration value="sms"/>
    <xsd:enumeration value="mms"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="MediaClassAttribute">
```

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```
  <xsd:list itemType="csta:MediaClassComponents"/>
 </xsd:simpleType>

</xsd:schema>
```

9.3 Call and connection identifiers

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-call-connection-identifiers</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>

 <xsd:complexType name="ConnectionID">
  <xsd:choice>
   <xsd:element name="deviceID" type="csta:LocalDeviceID"/>
   <xsd:sequence>
    <xsd:element name="callID" type="csta:CallID"/>
    <xsd:element name="deviceID" type="csta:LocalDeviceID" minOccurs="0"/>
   </xsd:sequence>
  </xsd:choice>
 </xsd:complexType>

 <xsd:simpleType name="CallID">
  <xsd:restriction base="xsd:string">
   <xsd:minLength value="0"/>
  </xsd:restriction>
 </xsd:simpleType>

 <xsd:complexType name="LocalDeviceID">
  <xsd:annotation>
   <xsd:documentation>uses flattened structure - all types included here</xsd:documentation>
  </xsd:annotation>
  <xsd:simpleContent>
   <xsd:extension base="csta:DeviceIDType">
    <xsd:attribute name="typeOfNumber" default="dialingNumber">
     <xsd:simpleType>
      <xsd:restriction base="xsd:string">
       <xsd:enumeration value="dialingNumber"/>
       <xsd:enumeration value="deviceNumber"/>
       <xsd:enumeration value="implicitPublic"/>
       <xsd:enumeration value="explicitPublic:unknown"/>
       <xsd:enumeration value="explicitPublic:international"/>
       <xsd:enumeration value="explicitPublic:national"/>
       <xsd:enumeration value="explicitPublic:networkspecific"/>
       <xsd:enumeration value="explicitPublic:subscriber"/>
       <xsd:enumeration value="explicitPublic:abbreviated"/>
       <xsd:enumeration value="implicitPrivate"/>
       <xsd:enumeration value="explicitPrivate:unknown"/>
       <xsd:enumeration value="explicitPrivate:level3RegionalNumber"/>
       <xsd:enumeration value="explicitPrivate:level2RegionalNumber"/>
       <xsd:enumeration value="explicitPrivate:level1RegionalNumber"/>
       <xsd:enumeration value="explicitPrivate:pTNSpecificNumber"/>
       <xsd:enumeration value="explicitPrivate:localNumber"/>
       <xsd:enumeration value="explicitPrivate:abbreviated"/>
       <xsd:enumeration value="other"/>
       <xsd:enumeration value="dynamic"/>
      </xsd:restriction>
     </xsd:simpleType>
    </xsd:attribute>
```

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```
      <xsd:attribute name="mediaClass" type="csta:MediaClassAttribute" default="notKnown"/>
      <xsd:attribute name="connectionRate" use="optional">
       <xsd:simpleType>
        <xsd:restriction base="xsd:long">
         <xsd:minInclusive value="0"/>
        </xsd:restriction>
       </xsd:simpleType>
      </xsd:attribute>
      <xsd:attribute name="bitRate" default="constant">
       <xsd:simpleType>
        <xsd:restriction base="xsd:string">
         <xsd:enumeration value="constant"/>
         <xsd:enumeration value="variable"/>
        </xsd:restriction>
       </xsd:simpleType>
      </xsd:attribute>
      <xsd:attribute name="delayTolerance" type="xsd:long" use="optional"/>
      <xsd:attribute name="switchingSubDomainCCIEType" use="optional">
       <xsd:simpleType>
        <xsd:restriction base="xsd:string">
         <xsd:enumeration value="isdn"/>
         <xsd:enumeration value="atm"/>
         <xsd:enumeration value="isoEthernet"/>
         <xsd:enumeration value="rsvp"/>
         <xsd:enumeration value="sip"/>
         <xsd:enumeration value="other"/>
        </xsd:restriction>
       </xsd:simpleType>
      </xsd:attribute>
      <xsd:attribute name="switchingSubDomainInformationElements" use="optional">
       <xsd:simpleType>
        <xsd:restriction base="xsd:hexBinary"/>
       </xsd:simpleType>
      </xsd:attribute>
     </xsd:extension>
    </xsd:simpleContent>
  </xsd:complexType>

</xsd:schema>
```

9.4 Connection states

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-connection-states</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
  <xsd:include schemaLocation="device-identifiers.xsd"/>
  <xsd:include schemaLocation="media-services.xsd"/>
  <xsd:include schemaLocation="empty.xsd"/>

  <xsd:complexType name="ConnectionList">
   <xsd:sequence>
   <xsd:element name="connectionListItem" type="csta:ConnectionListItem" maxOccurs="unbounded"/>        </
xsd:sequence>
  </xsd:complexType>

  <xsd:simpleType name="LocalConnectionState">
    <xsd:restriction base="xsd:string">
      <xsd:enumeration value="null"/>
```

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```
    <xsd:enumeration value="initiated"/>
    <xsd:enumeration value="alerting"/>
    <xsd:enumeration value="connected"/>
    <xsd:enumeration value="hold"/>
    <xsd:enumeration value="queued"/>
    <xsd:enumeration value="fail"/>
   </xsd:restriction>
  </xsd:simpleType>

  <xsd:element name="localConnectionInfo" type="csta:LocalConnectionState"/>

  <xsd:complexType name="ConnectionListItem">
   <xsd:sequence>
    <xsd:element name="newConnection" type="csta:ConnectionID" minOccurs="0"/>
    <xsd:element name="oldConnection" type="csta:ConnectionID" minOccurs="0"/>
    <xsd:element name="endpoint" minOccurs="0">
     <xsd:complexType>
      <xsd:choice>
       <xsd:element name="deviceID" type="csta:DeviceID"/>
       <xsd:element name="notKnown" type="csta:Empty"/>
       <xsd:element name="restricted" type="csta:Empty"/>
      </xsd:choice>
     </xsd:complexType>
    </xsd:element>
    <xsd:element name="associatedNID" minOccurs="0">
     <xsd:complexType>
      <xsd:choice>
       <xsd:element name="deviceID" type="csta:DeviceID"/>
       <xsd:element name="notKnown" type="csta:Empty"/>
      </xsd:choice>
     </xsd:complexType>
    </xsd:element>
    <xsd:element name="resultingConnectionInfo" type="csta:ConnectionInformation"
    minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>

</xsd:schema>
```

9.5 Status reporting

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
   <xsd:documentation>CSTA-status-reporting</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="call-control.xsd"/>
  <xsd:include schemaLocation="switching-function-objects.xsd"/>
  <xsd:include schemaLocation="device-identifiers.xsd"/>
  <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
  <xsd:include schemaLocation="connection-states.xsd"/>
  <xsd:include schemaLocation="media-services.xsd"/>
  <xsd:include schemaLocation="empty.xsd"/>

  <xsd:complexType name="MonitorObject">
   <xsd:complexContent>
    <xsd:extension base="csta:CSTAObject"/>
   </xsd:complexContent>
  </xsd:complexType>

  <xsd:simpleType name="MonitorCrossRefID">
   <xsd:restriction base="xsd:string">
```

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```
    <xsd:minLength value="0"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:element name="monitorCrossRefID" type="csta:MonitorCrossRefID"/>
<xsd:complexType name="MonitorFilter">
  <xsd:sequence>
    <xsd:element name="callcontrol" type="csta:CallControlEvents" minOccurs="0"/>
    <xsd:element name="callAssociated" type="csta:CallAssociatedEvents" minOccurs="0"/>
    <xsd:element name="mediaAttachment" type="csta:MediaAttachmentEvents" minOccurs="0"/>
    <xsd:element name="physicalDeviceFeature" type="csta:PhysicalDeviceFeatureEvents" minOccurs="0"/>
    <xsd:element name="logicalDeviceFeature" type="csta:LogicalDeviceFeatureEvents" minOccurs="0"/>
    <xsd:element name="maintenance" type="csta:DeviceMaintenanceEvents" minOccurs="0"/>
    <xsd:element name="voice" type="csta:VoiceEvents" minOccurs="0"/>
    <xsd:element name="private" type="csta:VendorSpecEvents" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:simpleType name="MonitorType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="call"/>
    <xsd:enumeration value="device"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="MonitorMediaClass">
  <xsd:sequence>
    <xsd:element name="voice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="data" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="image" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="audio" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="other" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chat" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="email" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="message" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="im" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sms" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mms" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="CallControlEvents">
  <xsd:sequence>
    <xsd:element name="bridged" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCleared" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="conferenced" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionCleared" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="delivered" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="digitsDialed" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="diverted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="established" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="failed" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="held" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="networkCapabilitiesChanged" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="networkReached" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="offered" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="originated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="queued" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="retrieved" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="serviceInitiated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="transferred" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="CallAssociatedEvents">
  <xsd:sequence>
    <xsd:element name="callInformation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="charging" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="digitsGenerated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="telephonyTonesGenerated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="serviceCompletionFailure" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="MediaAttachmentEvents">
  <xsd:sequence>
    <xsd:element name="mediaAttached" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaDetached" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="PhysicalDeviceFeatureEvents">
  <xsd:sequence>
    <xsd:element name="buttonInformation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="buttonPress" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="displayUpdated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="hookswitch" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampMode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="messageWaiting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="microphoneGain" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="microphoneMute" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringerStatus" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="speakerMute" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="speakerVolume" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="LogicalDeviceFeatureEvents">
  <xsd:sequence>
    <xsd:element name="agentBusy" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentLoggedOn" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentLoggedOff" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentNotReady" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentReady" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentWorkingAfterCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="autoAnswer" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="autoWorkMode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callBack" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callBackMessage" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callerIDStatus" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="doNotDisturb" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwarding" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routeingMode" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="DeviceMaintenanceEvents">
  <xsd:sequence>
    <xsd:element name="backInService" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceCapabilityChanged" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="outOfService" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="partiallyInService" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="VoiceEvents">
  <xsd:sequence>
    <xsd:element name="bookmarkReached" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="completed" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dtmfDetected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="emptied" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="interruptionDetected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="notRecognized" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="play" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="recognized" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="record" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="review" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="started" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="silenceTimeoutExpired" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="speechDetected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="stop" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="suspendPlay" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="suspendRecord" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="voiceAttributesChanged" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="voiceErrorOccurred" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="VendorSpecEvents">
   <xsd:sequence>
    <xsd:element name="private" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="SnapshotDeviceDataList">
   <xsd:sequence>
    <xsd:element name="snapshotDeviceResponseInfo" type="csta:SnapshotDeviceResponseInfo" minOccurs="0"
maxOccurs="unbounded"/>
   </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="SnapshotDeviceResponseInfo">
   <xsd:sequence>
    <xsd:element name="connectionIdentifier" type="csta:ConnectionID"/>
    <xsd:element name="endpointDevice" type="csta:SubjectDeviceID" minOccurs="0"/>
    <xsd:element name="localCallState" type="csta:CallState"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element name="mediaServiceInfoList" type="csta:DeviceMediaInfoList" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="DeviceMediaInfoList">
   <xsd:sequence>
    <xsd:element name="deviceMediaInfo" minOccurs="0" maxOccurs="unbounded">
     <xsd:complexType>
      <xsd:sequence>
       <xsd:element name="mediaStreamID" type="csta:MediaStreamID" minOccurs="0"/>
       <xsd:element name="connectionInformation" type="csta:ConnectionInformation" minOccurs="0"/>
      </xsd:sequence>
     </xsd:complexType>
    </xsd:element>
   </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="SnapshotCallDataList">
   <xsd:sequence>
    <xsd:element name="snapshotCallResponseInfo" type="csta:SnapshotCallResponseInfo" minOccurs="0"
maxOccurs="unbounded"/>
   </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="SnapshotCallResponseInfo">
   <xsd:sequence>
    <xsd:element name="deviceOnCall" type="csta:SubjectDeviceID"/>
    <xsd:element name="callIdentifier" type="csta:ConnectionID" minOccurs="0"/>
    <xsd:element name="localConnectionInfo" type="csta:LocalConnectionState" minOccurs="0"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element name="mediaServiceInfoList" type="csta:CallMediaInfoList" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="CallMediaInfoList">
   <xsd:sequence>
```

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```
    <xsd:element name="callMediaInfo" minOccurs="0" maxOccurs="unbounded">
     <xsd:complexType>
      <xsd:sequence>
       <xsd:element name="mediaServiceType" type="csta:MediaServiceType"/>
       <xsd:element name="mediaServiceVersion" type="xsd:long" minOccurs="0"/>
       <xsd:element name="mediaServiceInstance" type="csta:MediaServiceInstanceID" minOccurs="0"/>
       <xsd:element name="mediaStreamID" type="csta:MediaStreamID" minOccurs="0"/>
       <xsd:element name="connectionInformation" type="csta:ConnectionInformation" minOccurs="0"/>
      </xsd:sequence>
     </xsd:complexType>
    </xsd:element>
   </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="CallState">
   <xsd:choice>
    <xsd:element name="compoundCallState" type="csta:CompoundCallState"/>
    <xsd:element name="simpleCallState" type="csta:SimpleCallState"/>
    <xsd:element name="unknown" type="csta:Empty"/>
   </xsd:choice>
  </xsd:complexType>
  <xsd:complexType name="CompoundCallState">
   <xsd:sequence>
    <xsd:element name="localConnectionState" type="csta:LocalConnectionState" minOccurs="0" maxOccurs="unbounded"/
>
   </xsd:sequence>
  </xsd:complexType>

  <xsd:simpleType name="SimpleCallState">
   <xsd:restriction base="xsd:string">
    <xsd:enumeration value="callNull"/>
    <xsd:enumeration value="callPending"/>
    <xsd:enumeration value="callOriginated"/>
    <xsd:enumeration value="callDelivered"/>
    <xsd:enumeration value="callDeliveredHeld"/>
    <xsd:enumeration value="callReceived"/>
    <xsd:enumeration value="callEstablished"/>
    <xsd:enumeration value="callEstablishedHeld"/>
    <xsd:enumeration value="callReceivedOnHold"/>
    <xsd:enumeration value="callEstablishedOnHold"/>
    <xsd:enumeration value="callQueued"/>
    <xsd:enumeration value="callQueuedHeld"/>
    <xsd:enumeration value="callFailed"/>
    <xsd:enumeration value="callFailedHeld"/>
    <xsd:enumeration value="callBlocked"/>
   </xsd:restriction>
  </xsd:simpleType>

</xsd:schema>
```

9.6 Device and feature types and other parameters

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-device-feature-types</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="event-cause.xsd"/>
```

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```
<xsd:simpleType name="AccountInfo">
  <xsd:restriction base="xsd:hexBinary">
    <xsd:minLength value="0"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:element name="accountCode" type="csta:AccountInfo"/>
<xsd:simpleType name="AgentID">
  <xsd:restriction base="xsd:string">
    <xsd:minLength value="0"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="AgentPassword">
  <xsd:restriction base="xsd:hexBinary">
    <xsd:minLength value="0"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="AgentState">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="agentNotReady"/>
    <xsd:enumeration value="agentNull"/>
    <xsd:enumeration value="agentReady"/>
    <xsd:enumeration value="agentBusy"/>
    <xsd:enumeration value="agentWorkingAfterCall"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="AuthCode">
  <xsd:restriction base="xsd:hexBinary">
    <xsd:minLength value="0"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:element name="authCode" type="csta:AuthCode"/>

<xsd:complexType name="CorrelatorData">
  <xsd:choice>
    <xsd:element name="string">
      <xsd:simpleType>
        <xsd:restriction base="xsd:hexBinary">
          <xsd:minLength value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="private">
      <xsd:annotation>
       <xsd:documentation>private: the actual encoding has to be replaced here</xsd:documentation>
      </xsd:annotation>
      <xsd:complexType>
        <xsd:sequence>
          <xsd:any namespace="##any" maxOccurs="unbounded"/>
        </xsd:sequence>
      </xsd:complexType>
    </xsd:element>
  </xsd:choice>
</xsd:complexType>

<xsd:element name="correlatorData" type="csta:CorrelatorData"/>

<xsd:complexType name="IOCrossRefID">
  <xsd:choice>
    <xsd:element name="switchProvided">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:minLength value="0"/>
        </xsd:restriction>
```

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```
    </xsd:simpleType>
   </xsd:element>
   <xsd:element name="computerProvided">
    <xsd:simpleType>
     <xsd:restriction base="xsd:string">
      <xsd:minLength value="0"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
  </xsd:choice>
</xsd:complexType>

<xsd:simpleType name="IORegisterReqID">
 <xsd:restriction base="xsd:string">
  <xsd:minLength value="0"/>
 </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="MessageID">
 <xsd:restriction base="xsd:string"/>
</xsd:simpleType>

<xsd:simpleType name="ResourceID">
 <xsd:restriction base="xsd:string"/>
</xsd:simpleType>

<xsd:simpleType name="ParticipationType">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="silent"/>
  <xsd:enumeration value="active"/>
  <xsd:enumeration value="none"/>
 </xsd:restriction>
</xsd:simpleType>

<xsd:element name="routeRegisterReqID" type="csta:RouteRegisterReqID"/>

<xsd:simpleType name="RouteRegisterReqID">
 <xsd:restriction base="xsd:string">
  <xsd:minLength value="0"/>
 </xsd:restriction>
</xsd:simpleType>

<xsd:element name="crossRefIdentifier" type="csta:RouteingCrossRefID"/>
<xsd:simpleType name="RouteingCrossRefID">
 <xsd:restriction base="xsd:string">
  <xsd:minLength value="0"/>
 </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="SelectValue">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="normal"/>
  <xsd:enumeration value="leastCost"/>
  <xsd:enumeration value="emergency"/>
  <xsd:enumeration value="aCD"/>
  <xsd:enumeration value="userDefined"/>
 </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="RetryValue">
 <xsd:choice>
  <xsd:element name="noListAvailable" type="xsd:boolean"/>
  <xsd:element name="noCountAvailable" type="xsd:boolean"/>
  <xsd:element name="retryCount" type="xsd:long"/>
 </xsd:choice>
</xsd:complexType>

<xsd:simpleType name="SysStatRegisterID">
```

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```
  <xsd:restriction base="xsd:string">
    <xsd:minLength value="0"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:element name="sysStatRegisterID" type="csta:SysStatRegisterID"/>
<xsd:simpleType name="SystemStatusValue">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="disabled"/>
    <xsd:enumeration value="partiallyDisabled"/>
    <xsd:enumeration value="enabled"/>
    <xsd:enumeration value="initializing"/>
    <xsd:enumeration value="messagesLost"/>
    <xsd:enumeration value="normal"/>
    <xsd:enumeration value="overloadImminent"/>
    <xsd:enumeration value="overloadReached"/>
    <xsd:enumeration value="overloadRelieved"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="CallOrigination">
  <xsd:sequence>
    <xsd:element name="internal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="external" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ForwardList">
  <xsd:sequence>
    <xsd:element name="forwardListItem" type="csta:ForwardListItem" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ForwardListItem">
  <xsd:sequence>
    <xsd:element name="forwardingType" type="csta:ForwardingType" minOccurs="0"/>
    <xsd:element name="forwardStatus" type="xsd:boolean"/>
    <xsd:element name="forwardDN" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element name="forwardDefault" type="csta:ForwardDefault" minOccurs="0"/>
    <xsd:element name="ringCount" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:long">
          <xsd:minInclusive value="1"/>
          <xsd:maxInclusive value="100"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="ringDuration" type="xsd:integer" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:simpleType name="ForwardingType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="forwardImmediate"/>
    <xsd:enumeration value="forwardBusy"/>
    <xsd:enumeration value="forwardNoAns"/>
    <xsd:enumeration value="forwardDND"/>
    <xsd:enumeration value="forwardBusyInt"/>
    <xsd:enumeration value="forwardBusyExt"/>
    <xsd:enumeration value="forwardNoAnsInt"/>
    <xsd:enumeration value="forwardNoAnsExt"/>
    <xsd:enumeration value="forwardImmInt"/>
    <xsd:enumeration value="forwardImmExt"/>
    <xsd:enumeration value="forwardDNDInt"/>
    <xsd:enumeration value="forwardDNDExt"/>
  </xsd:restriction>
</xsd:simpleType>
```

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```
<xsd:simpleType name="ForwardDefault">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="forwardingTypeAndForwardDN"/>
  <xsd:enumeration value="forwardingType"/>
  <xsd:enumeration value="forwardDN"/>
 </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="PendingAgentState">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="agentNotReady"/>
  <xsd:enumeration value="agentNull"/>
  <xsd:enumeration value="agentReady"/>
  <xsd:enumeration value="agentWorkingAfterCall"/>
 </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="DataPathType">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="text"/>
  <xsd:enumeration value="voice"/>
 </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="DisplayAttributeList">
 <xsd:sequence>
  <xsd:element name="physicalBaseRowNumber" type="xsd:long" minOccurs="0"/>
  <xsd:element name="physicalBaseColumnNumber" type="xsd:long" minOccurs="0"/>
  <xsd:element name="offset" type="xsd:long" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="TerminatingConditions">
 <xsd:sequence>
  <xsd:element name="durationExceeded" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="dTMFDigitDetected" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="endOfMessageDetected" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="speechDetected" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="AttributeInfo">
 <xsd:choice>
  <xsd:element name="encodingAlgorithm" type="csta:EncodingAlgorithm"/>
  <xsd:element name="samplingRate" type="xsd:long"/>
  <xsd:element name="duration" type="xsd:long"/>
  <xsd:element name="filename" type="xsd:string"/>
  <xsd:element name="currentPosition" type="xsd:long"/>
  <xsd:element name="currentSpeed" type="xsd:long"/>
  <xsd:element name="currentVolume">
   <xsd:simpleType>
    <xsd:restriction base="xsd:long">
     <xsd:minInclusive value="0"/>
     <xsd:maxInclusive value="100"/>
    </xsd:restriction>
   </xsd:simpleType>
  </xsd:element>
  <xsd:element name="currentGain">
   <xsd:simpleType>
    <xsd:restriction base="xsd:long">
     <xsd:minInclusive value="0"/>
     <xsd:maxInclusive value="100"/>
    </xsd:restriction>
   </xsd:simpleType>
  </xsd:element>
  <xsd:element name="currentState" type="csta:CurrentState"/>
  <xsd:element name="grammars" maxOccurs="unbounded">
   <xsd:complexType>
```

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```
      <xsd:sequence>
        <xsd:any namespace="##any" maxOccurs="unbounded"/>
      </xsd:sequence>
      <xsd:attribute name="name" type="xsd:string"/>
      <xsd:attribute name="src" type="xsd:anyURI"/>
      <xsd:anyAttribute namespace="##any"/>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="language" type="xsd:language"/>
  <xsd:element name="mode">
    <xsd:simpleType>
      <xsd:restriction base="xsd:string">
        <xsd:enumeration value="automatic"/>
        <xsd:enumeration value="single"/>
        <xsd:enumeration value="multiple"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:element>
  <xsd:element name="retainAudio" type="xsd:boolean"/>
  <xsd:element name="silenceTimeout" type="xsd:float"/>
  <xsd:element name="maxTimeout" type="xsd:float"/>
  <xsd:element name="babbleTimeout" type="xsd:float"/>
  <xsd:element name="endSilence" type="xsd:float"/>
  <xsd:element name="rejectionThreshold">
    <xsd:simpleType>
      <xsd:restriction base="xsd:float">
        <xsd:maxInclusive value="1.0"/>
        <xsd:minInclusive value="0.0"/>
      </xsd:restriction>
    </xsd:simpleType>
  </xsd:element>
  <xsd:element name="autoInterruptible" type="xsd:boolean"/>
  <xsd:element name="innerXml">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:any/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="interdigitTimeout" type="xsd:float"/>
  <xsd:element name="preflush" type="xsd:boolean"/>
 </xsd:choice>
</xsd:complexType>
<xsd:simpleType name="EncodingAlgorithm">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="aDPCM6K"/>
  <xsd:enumeration value="aDPCM8K"/>
  <xsd:enumeration value="muLawPCM6K"/>
  <xsd:enumeration value="aLawPCM6K"/>
 </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="CurrentState">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="formed"/>
  <xsd:enumeration value="dtmfDetected"/>
  <xsd:enumeration value="play"/>
  <xsd:enumeration value="playing"/>
  <xsd:enumeration value="ready"/>
  <xsd:enumeration value="record"/>
  <xsd:enumeration value="review"/>
  <xsd:enumeration value="speechDetected"/>
  <xsd:enumeration value="started"/>
  <xsd:enumeration value="stop"/>
  <xsd:enumeration value="suspendPlay"/>
  <xsd:enumeration value="suspendRecord"/>
 </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="ControlData">
```

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```
  <xsd:sequence>
   <xsd:element name="gender">
    <xsd:simpleType>
     <xsd:restriction base="xsd:string">
      <xsd:enumeration value="male"/>
      <xsd:enumeration value="female"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
   <xsd:element name="language">
    <xsd:simpleType>
     <xsd:restriction base="xsd:string"/>
    </xsd:simpleType>
   </xsd:element>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="UserData">
 <xsd:choice>
  <xsd:element name="string">
   <xsd:simpleType>
    <xsd:restriction base="xsd:hexBinary">
     <xsd:minLength value="0"/>
    </xsd:restriction>
   </xsd:simpleType>
  </xsd:element>
  <xsd:element name="private">
   <xsd:annotation>
    <xsd:documentation>private: the actual encoding has to be replaced here</xsd:documentation>
   </xsd:annotation>
   <xsd:complexType>
    <xsd:sequence>
     <xsd:any namespace="##any" maxOccurs="unbounded"/>
    </xsd:sequence>
   </xsd:complexType>
  </xsd:element>
 </xsd:choice>
</xsd:complexType>

<xsd:element name="userData" type="csta:UserData"/>

<xsd:simpleType name="TelephonyTone">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="beep"/>
  <xsd:enumeration value="billing"/>
  <xsd:enumeration value="busy"/>
  <xsd:enumeration value="carrier"/>
  <xsd:enumeration value="confirmation"/>
  <xsd:enumeration value="dial"/>
  <xsd:enumeration value="faxCNG"/>
  <xsd:enumeration value="hold"/>
  <xsd:enumeration value="howler"/>
  <xsd:enumeration value="intrusion"/>
  <xsd:enumeration value="modemCNG"/>
  <xsd:enumeration value="park"/>
  <xsd:enumeration value="recordWarning"/>
  <xsd:enumeration value="reorder"/>
  <xsd:enumeration value="ringback"/>
  <xsd:enumeration value="silence"/>
  <xsd:enumeration value="sitVC"/>
  <xsd:enumeration value="sitIC"/>
  <xsd:enumeration value="sitRO"/>
  <xsd:enumeration value="sitNC"/>
  <xsd:enumeration value="switchSpec0"/>
  <xsd:enumeration value="switchSpec1"/>
  <xsd:enumeration value="switchSpec2"/>
  <xsd:enumeration value="switchSpec3"/>
  <xsd:enumeration value="switchSpec4"/>
```

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```
<xsd:enumeration value="switchSpec5"/>
<xsd:enumeration value="switchSpec6"/>
<xsd:enumeration value="switchSpec7"/>
<xsd:enumeration value="switchSpec8"/>
<xsd:enumeration value="switchSpec9"/>
<xsd:enumeration value="switchSpec10"/>
<xsd:enumeration value="switchSpec11"/>
<xsd:enumeration value="switchSpec12"/>
<xsd:enumeration value="switchSpec13"/>
<xsd:enumeration value="switchSpec14"/>
<xsd:enumeration value="switchSpec15"/>
<xsd:enumeration value="switchSpec16"/>
<xsd:enumeration value="switchSpec17"/>
<xsd:enumeration value="switchSpec18"/>
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<xsd:enumeration value="switchSpec58"/>
<xsd:enumeration value="switchSpec59"/>
<xsd:enumeration value="switchSpec60"/>
<xsd:enumeration value="switchSpec61"/>
<xsd:enumeration value="switchSpec62"/>
<xsd:enumeration value="switchSpec63"/>
<xsd:enumeration value="switchSpec64"/>
<xsd:enumeration value="switchSpec65"/>
<xsd:enumeration value="switchSpec66"/>
<xsd:enumeration value="switchSpec67"/>
<xsd:enumeration value="switchSpec68"/>
<xsd:enumeration value="switchSpec69"/>
<xsd:enumeration value="switchSpec70"/>
<xsd:enumeration value="switchSpec71"/>
<xsd:enumeration value="switchSpec72"/>
```

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```
    <xsd:enumeration value="switchSpec73"/>
    <xsd:enumeration value="switchSpec74"/>
    <xsd:enumeration value="switchSpec75"/>
    <xsd:enumeration value="switchSpec76"/>
    <xsd:enumeration value="switchSpec77"/>
    <xsd:enumeration value="switchSpec78"/>
    <xsd:enumeration value="switchSpec79"/>
    <xsd:enumeration value="switchSpec80"/>
    <xsd:enumeration value="switchSpec81"/>
    <xsd:enumeration value="switchSpec82"/>
    <xsd:enumeration value="switchSpec83"/>
    <xsd:enumeration value="switchSpec84"/>
    <xsd:enumeration value="switchSpec85"/>
    <xsd:enumeration value="switchSpec86"/>
    <xsd:enumeration value="switchSpec87"/>
    <xsd:enumeration value="switchSpec88"/>
    <xsd:enumeration value="switchSpec89"/>
    <xsd:enumeration value="switchSpec90"/>
    <xsd:enumeration value="switchSpec91"/>
    <xsd:enumeration value="switchSpec92"/>
    <xsd:enumeration value="switchSpec93"/>
    <xsd:enumeration value="switchSpec94"/>
    <xsd:enumeration value="switchSpec95"/>
    <xsd:enumeration value="switchSpec96"/>
    <xsd:enumeration value="switchSpec97"/>
    <xsd:enumeration value="switchSpec98"/>
    <xsd:enumeration value="switchSpec99"/>
    <xsd:enumeration value="switchSpec100"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:element name="subjectOfCall" type="xsd:string"/>
<xsd:complexType name="MessageInfo">
  <xsd:sequence>
    <xsd:element name="messageInfoItem" type="csta:MessageInfoItem" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="messageInfo" type="csta:MessageInfo"/>

<xsd:complexType name="MessageInfoItem">
  <xsd:sequence>
    <xsd:element name="contentTypeAndSubtype" type="xsd:string" minOccurs="0"/>
    <xsd:element name="contents" type="xsd:string"/>
    <xsd:element name="contentsLength" type="xsd:nonNegativeInteger" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="languagePreferences" type="xsd:string"/>
<xsd:complexType name="DeviceHistory">
  <xsd:sequence>

    <xsd:element name="DeviceHistoryListItem" type="csta:DeviceHistoryListItem"
          maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="deviceHistory" type="csta:DeviceHistory"/>

<xsd:complexType name="DeviceHistoryListItem">
  <xsd:sequence>
    <xsd:element name="oldDeviceID" type="csta:RedirectionDeviceID"/>
    <xsd:element name="eventCause" type="csta:EventCause" minOccurs="0"/>
    <xsd:element name="oldConnectionID" type="csta:ConnectionID" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
```

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```
<xsd:element name="reason" type="csta:EventCause"/>
</xsd:schema>
```

9.7 Security

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-security</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="empty.xsd"/>

 <xsd:complexType name="CSTASecurityData">
  <xsd:sequence>
   <xsd:element name="messageSequenceNumber" type="xsd:long" minOccurs="0"/>
   <xsd:element name="timeStamp" type="csta:TimeInfo" minOccurs="0"/>
   <xsd:element name="securityInfo" type="csta:SecurityInfo" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="SecurityInfo">
  <xsd:choice>
   <xsd:element name="string">
    <xsd:simpleType>
     <xsd:restriction base="xsd:hexBinary"/>
    </xsd:simpleType>
   </xsd:element>
   <xsd:element name="private">
    <xsd:annotation>
     <xsd:documentation>private: the actual encoding has to be replaced here</xsd:documentation>
    </xsd:annotation>
    <xsd:complexType>
     <xsd:sequence>
      <xsd:any namespace="##any" maxOccurs="unbounded"/>
     </xsd:sequence>
    </xsd:complexType>
   </xsd:element>
  </xsd:choice>
 </xsd:complexType>

 <xsd:simpleType name="TimeInfo">
  <xsd:restriction base="csta:GeneralizedTime"/>
 </xsd:simpleType>

 <xsd:simpleType name="GeneralizedTime">
  <xsd:restriction base="xsd:string">
   <xsd:pattern value="\d{14}[,\.]?\d*[+\-]\d{4}"/>
   <xsd:pattern value="\d{14}[,\.]?\d*Z"/>
   <xsd:pattern value="\d{14}[,\.]?\d*"/>
  </xsd:restriction>
 </xsd:simpleType>

</xsd:schema>
```

9.8 Common extensions

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
```

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```
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-extension-types</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="security.xsd"/>

 <xsd:complexType name="CSTACommonArguments">
  <xsd:sequence>
   <xsd:element name="security" type="csta:CSTASecurityData" minOccurs="0"/>
   <xsd:element name="privateData" type="csta:CSTAPrivateData" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="CSTAPrivateData">
  <xsd:choice>
   <xsd:element name="string">
    <xsd:simpleType>
     <xsd:restriction base="xsd:hexBinary"/>
    </xsd:simpleType>
   </xsd:element>
   <xsd:element name="private">
    <xsd:annotation>
     <xsd:documentation>private: the actual encoding has to be replaced here</xsd:documentation>
    </xsd:annotation>
    <xsd:complexType>
     <xsd:sequence>
      <xsd:any namespace="##any" maxOccurs="unbounded"/>
     </xsd:sequence>
    </xsd:complexType>
   </xsd:element>
  </xsd:choice>
 </xsd:complexType>

 <xsd:element name="extensions" type="csta:CSTACommonArguments"/>

</xsd:schema>
```

9.9 Call control

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-call-control</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="security.xsd"/>

 <xsd:simpleType name="AutoOriginate">
  <xsd:restriction base="xsd:string">
   <xsd:enumeration value="prompt"/>
   <xsd:enumeration value="doNotPrompt"/>
  </xsd:restriction>
 </xsd:simpleType>

 <xsd:complexType name="CallCharacteristics">
  <xsd:sequence>
   <xsd:element name="acdCall" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="lowPriorityCall" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="priorityCall" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="highPriorityCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="maintainanceCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="directAgent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="assistCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="voiceUnitCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="personalCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sensitiveCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="confidentialCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="encryptedCall" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="callCharacteristics" type="csta:CallCharacteristics"/>
<xsd:simpleType name="CallQualifyingData">
  <xsd:restriction base="xsd:hexBinary">
    <xsd:minLength value="0"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="ConsultOptions">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="unrestricted"/>
    <xsd:enumeration value="consultOnly"/>
    <xsd:enumeration value="transferOnly"/>
    <xsd:enumeration value="conferenceOnly"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:element name="consultOptions" type="csta:ConsultOptions"/>

<xsd:complexType name="NetworkCapability">
  <xsd:sequence>
    <xsd:element name="networkType">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="iSDNPublic"/>
          <xsd:enumeration value="nonISDNPublic"/>
          <xsd:enumeration value="iSDNPrivate"/>
          <xsd:enumeration value="nonISDNPrivate"/>
          <xsd:enumeration value="other"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>

    <xsd:element name="eventsProvided" minOccurs="0">
      <xsd:complexType>
        <xsd:sequence>
          <xsd:element name="bridged" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="callCleared" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="conferenced" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="connectionCleared" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="delivered" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="digitsDialed" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="diverted" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="established" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="failed" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="held" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="networkCapabilitiesChange" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="networkReached" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="offered" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="originated" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="queued" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="retrieved" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="serviceInitiated" type="xsd:boolean" minOccurs="0"/>
          <xsd:element name="transferred" type="xsd:boolean" minOccurs="0"/>
        </xsd:sequence>
      </xsd:complexType>
```

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```
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ProgressIndicator">
  <xsd:sequence>
    <xsd:element name="progressLocation">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="user"/>
          <xsd:enumeration value="privateNetServingLocal"/>
          <xsd:enumeration value="publicNetServingLocal"/>
          <xsd:enumeration value="transitNetwork"/>
          <xsd:enumeration value="publicNetServingRemote"/>
          <xsd:enumeration value="privateNetServingRemote"/>
          <xsd:enumeration value="localInterface"/>
          <xsd:enumeration value="internationalNetwork"/>
          <xsd:enumeration value="networkBeyondInterwk"/>
          <xsd:enumeration value="other"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>

    <xsd:element name="progressDescription">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="iSDNProgressDesc"/>
          <xsd:enumeration value="qSIGProgressDesc"/>
          <xsd:enumeration value="other"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>

</xsd:complexType>
<xsd:complexType name="ServicesPermitted">
  <xsd:sequence>
    <xsd:element name="callControlServices" type="csta:CallControlServices"/>
    <xsd:element name="callAssociatedServices" type="csta:CallAssociatedServices"/>
    <xsd:element name="mediaAttachmentServices" type="csta:MediaAttachmentServices"/>
    <xsd:element name="routeingServices" type="csta:RouteingServices"/>
    <xsd:element name="voiceServices" type="csta:VoiceServices"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="servicesPermitted" type="csta:ServicesPermitted"/>

<xsd:complexType name="CallLinkageDataList">
  <xsd:sequence>
    <xsd:element name="newCallLinkageData" type="csta:CallLinkageData"/>
    <xsd:element name="oldCallLinkageData" type="csta:CallLinkageData"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="CallLinkageData">
  <xsd:sequence>
    <xsd:element name="globalCallData" type="csta:GlobalCallData"/>
    <xsd:element name="threadData" type="csta:ThreadData" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:element name="callLinkageData" type="csta:CallLinkageData"/>

<xsd:complexType name="GlobalCallData">
  <xsd:sequence>
    <xsd:element name="globalCallSwitchingSubDomainName" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
```

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```
        <xsd:minLength value="1"/>
       </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="globalCallLinkageID" type="csta:GlobalCallLinkageID"/>
    <xsd:element name="callLinkageIDTimestamp" type="csta:TimeInfo" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="GlobalCallLinkageID">
  <xsd:choice>
    <xsd:element name="subDomainCallLinkageID">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:minLength value="1"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="globallyUniqueCallLinkageID">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:minLength value="1"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:choice>
</xsd:complexType>

<xsd:complexType name="ThreadData">
  <xsd:sequence>
    <xsd:element name="threadSwitchingSubDomainName" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:minLength value="1"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="threadLinkageID" type="csta:ThreadLinkageID"/>
    <xsd:element name="threadIDTimeStamp" type="csta:TimeInfo" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ThreadLinkageID">
  <xsd:choice>
    <xsd:element name="subDomainThreadID">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:minLength value="1"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="globallyUniqueThreadID">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:minLength value="1"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:choice>
</xsd:complexType>

<xsd:complexType name="CallControlServices">
  <xsd:sequence>
    <xsd:element name="acceptCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="alternateCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="answerCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callBack" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callBackMessage" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="campOnCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="clearCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="clearConnection" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="conferenceCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="consultationCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deflectCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dialDigits" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="directedPickupCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="groupPickupCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="holdCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="intrudeCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="joinCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="makeCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="makePredictiveCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="parkCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="reconnectCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="retrieveCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sendMessage" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="singleStepConference" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="singleStepTransfer" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="transferCall" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="CallAssociatedServices">
  <xsd:sequence>
    <xsd:element name="associateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cancelTelephonyTones" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="generateDigits" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="generateTelephonyTones" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sendUserInformation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="changeConnectionInformation" type="xsd:boolean" minOccurs="0"/>
</xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="MediaAttachmentServices">
  <xsd:sequence>
    <xsd:element name="attachMediaService" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="detachMediaService" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="RouteingServices">
  <xsd:sequence>
    <xsd:element name="routeRegister" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routeRegisterCancel" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routeRegisterAbort" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="reRoute" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routeEnd" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routeReject" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routeRequest" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routeSelect" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routeUsed" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="VoiceServices">
  <xsd:sequence>
    <xsd:element name="activate" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="clear" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deactivate" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="concatenateMessage" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deleteMessage" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="playMessage" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="queryVoiceAttribute" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="recordMessage" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="reposition" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="resume" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="review" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="setVoiceAttribute" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="stop" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="suspend" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="synthesizeMessage" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>

</xsd:schema>
```

9.10 Capability Exchange

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/
ed4" elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-capability-exchange</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="empty.xsd"/>

 <xsd:simpleType name="ServiceCrossRefID">
  <xsd:restriction base="xsd:string">
   <xsd:minLength value="0"/>
  </xsd:restriction>
 </xsd:simpleType>

 <xsd:annotation>
  <xsd:documentation>Capability Bitmaps</xsd:documentation>
 </xsd:annotation>

 <xsd:complexType name="LogDevServList">
  <xsd:sequence>
   <xsd:element name="callControlServList" type="csta:CallControlServList" minOccurs="0"/>
   <xsd:element name="callAssociatedServList" type="csta:CallAssociatedServList" minOccurs="0"/>
   <xsd:element name="logicalServList" type="csta:LogicalServList" minOccurs="0"/>
   <xsd:element name="mediaServList" type="csta:MediaServList" minOccurs="0"/>
   <xsd:element name="iOServicesServList" type="csta:IOServicesServList" minOccurs="0"/>
   <xsd:element name="dataCollectionServList" type="csta:DataCollectionServList" minOccurs="0"/>
   <xsd:element name="voiceServList" type="csta:VoiceServList" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="LogDevEvtsList">
  <xsd:sequence>
   <xsd:element name="callControlEvtsList" type="csta:CallControlEvtsList" minOccurs="0"/>
   <xsd:element name="callAssociatedEvtsList" type="csta:CallAssociatedEvtsList" minOccurs="0"/>
   <xsd:element name="logicalEvtsList" type="csta:LogicalEvtsList" minOccurs="0"/>
   <xsd:element name="mediaEvtsList" type="csta:MediaEvtsList" minOccurs="0"/>
   <xsd:element name="voiceEvtsList" type="csta:VoiceEvtsList" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="CapExchangeServList">
  <xsd:sequence>
   <xsd:element name="getCSTAFeatures" type="csta:GetCSTAFeaturesCaps" minOccurs="0"/>
   <xsd:element name="getLogicalDeviceInformation" type="csta:GetLogicalDeviceInformationCaps" minOccurs="0"/>
   <xsd:element name="getPhysicalDeviceInformation" type="csta:GetPhysicalDeviceInformationCaps" minOccurs="0"/>
   <xsd:element name="getSwitchingFunctionCaps" type="csta:GetSwitchingFunctionCapabilitiesCaps" minOccurs="0"/>
   <xsd:element name="getSwitchingFunctionDevices" type="csta:GetSwitchingFunctionDevicesCaps" minOccurs="0"/>
   <xsd:element name="switchingFunctionDevices" type="csta:SwitchingFunctionDevicesCaps" minOccurs="0"/>
  </xsd:sequence>
```

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```
</xsd:complexType>

 <xsd:complexType name="GetCSTAFeaturesCaps">
 <xsd:sequence>
  <xsd:element name="privateDataInReq" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>

</xsd:complexType>

<xsd:complexType name="GetLogicalDeviceInformationCaps">
 <xsd:sequence>
  <xsd:element name="privateDataInReq" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="namedDeviceTypeInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="shortFormDeviceIDInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="miscMonitorCapsInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="maxCallBacksInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="maxAutoAnswerRingsInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="maxActiveCallsInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="maxHeldCallsInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="maxFwdSettingsInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="maxDevicesInConfInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="transAndConfSetupParameter" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="transAndConfSetupConsultationInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="transAndConfSetupHoldMakeInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="transAndConfSetupAlternateInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="transAndConfSetupTwoCallsHoldInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="transAndConfSetupTwoCallsConnectedInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="mediaClassSupportInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="connectionRateListInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="delayToleranceListInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="numberOfChannelsInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="maxChannelBindInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="GetPhysicalDeviceInformationCaps">
 <xsd:sequence>
  <xsd:element name="privateDataInReq" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="namedDeviceTypesInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="otherLogicalDeviceListInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="deviceModelNameInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="maxDisplaysInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="maxButtonsInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="maxLampsInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="maxRingPatternsInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>

 <xsd:complexType name="GetSwitchingFunctionCapabilitiesCaps">
  <xsd:sequence>
   <xsd:element name="privateDataInReq" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="mediaClassSupportInAck" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="numberOfChannelsInAck" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="maxChannelBindInAck" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="miscMediaCallCharacteristicsInAck" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="connectionRateListInAck" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="delayToleranceRateListInAck" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="pauseTimeInAck" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="currentTimeInAck" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="transAndConfSetupParameterInAck" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="transAndConfSetupConsultationInAck" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="transAndConfSetupHoldMakeInAck" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="transAndConfSetupAlternateInAck" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="transAndConfSetupTwoCallsHoldInAck" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="transAndConfSetupTwoCallsConnectedInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="miscMonitorCapsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorDataSupportedInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dynamicFeatureSupportedInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callLinkageOptionsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="acdModelsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentLogOnModelsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentStateModelsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataVersionListInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="simpleThresholdInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="filterThresholdInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="maxDeviceHistoryEntriesInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="GetSwitchingFunctionDevicesCaps">
  <xsd:sequence>
    <xsd:element name="requestedDeviceID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryACD" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryACDGroup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryHuntGroup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryPickGroup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryUserGroup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryOtherGroup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryNetwInterface" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryPark" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryRouteingDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryStation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryVoiceUnit" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryGenericIV" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryListenerIV" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryVDTMFIV" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryPromptIV" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryPromptQueueIV" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryMessageIV" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategoryOther" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="SwitchingFunctionDevicesCaps">
  <xsd:sequence>
    <xsd:element name="segmentID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceListDeviceCategory" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceListNamedDeviceTypes" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceListDeviceAttributes" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceListDeviceModelName" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceListNidGroup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="SystemStatusServList">
  <xsd:sequence>
    <xsd:element name="changeSystemStatusFilter" type="csta:ChangeSystemStatusFilterCaps" minOccurs="0"/>
    <xsd:element name="systemRegister" type="csta:SystemRegisterCaps" minOccurs="0"/>
    <xsd:element name="systemStatusRegisterAbort" type="csta:SystemStatusRegisterAbortCaps" minOccurs="0"/>
    <xsd:element name="systemStatusRegisterCancel" type="csta:SystemStatusRegisterCancelCaps" minOccurs="0"/>
    <xsd:element name="requestSystemStatus" type="csta:RequestSystemStatusCaps" minOccurs="0"/>
    <xsd:element name="systemStatus" type="csta:SystemStatusCaps" minOccurs="0"/>
    <xsd:element name="swFunctionCapsChanged" type="csta:SwFunctionCapsChangedCaps" minOccurs="0"/>
    <xsd:element name="swFunctionDevicesChanged" type="csta:SwFunctionDevicesChangedCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ChangeSystemStatusFilterCaps">
```

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```
  <xsd:sequence>
    <xsd:element name="requestedStatusFilterInitializing" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedStatusFilterEnabled" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedStatusFilterNormal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedStatusFilterMessageLost" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedStatusFilterDisabled" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedStatusFilterPartiallyDisabled" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedStatusFilterOverloadImminent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedStatusFilterOverloadReached" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedStatusFilterOverloadRelieved" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SystemRegisterCaps">
  <xsd:sequence>
    <xsd:element name="requestTypesSystemStatus" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestTypesRequestSystemStatus" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestTypesSwitchingFunctionCapsChanged" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestTypesSwitchingFuncionDevicesChanged" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="statusFilterInitializing" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="statusFilterEnabled" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="statusFilterNormal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="statusFilterMessageLost" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="statusFilterDisabled" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="statusFilterPartiallyDisabled" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="statusFilterOverloadImminent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="statusFilterOverloadReached" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="statusFilterOverloadRelieved" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataOctetString" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataOctetStringInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SystemStatusRegisterCancelCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SystemStatusRegisterAbortCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RequestSystemStatusCaps">
  <xsd:sequence>
    <xsd:element name="privateDataInReq" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusInitializing" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusEnabled" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusNormal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusMessageLost" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusDisabled" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusPartiallyDisabled" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusOverloadImminent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusOverloadReached" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusOverloadRelieved" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="switchingFunctionSupportsSending" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="switchingFunctionSupportsReceiving" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SystemStatusCaps">
  <xsd:sequence>
    <xsd:element name="systemStatusInitializing" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusEnabled" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="systemStatusNormal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusMessageLost" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusDisabled" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusPartiallyDisabled" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusOverloadImminent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusOverloadReached" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="systemStatusOverloadRelieved" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="switchingFunctionSupportsSending" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="switchingFunctionSupportsReceiving" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SwFunctionCapsChangedCaps">
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SwFunctionDevicesChangedCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MonitoringServList">
  <xsd:sequence>
    <xsd:element name="changeMonitorFilter" type="csta:ChangeMonitorFilterCaps" minOccurs="0"/>
    <xsd:element name="monitorStart" type="csta:MonitorStartCaps" minOccurs="0"/>
    <xsd:element name="monitorStop" type="csta:MonitorStopCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ChangeMonitorFilterCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MonitorStartCaps">
  <xsd:sequence>
    <xsd:element name="monitorObjectDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorObjectCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedMonitorFilter" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorTypeCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorTypeDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassParameter" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassAudio" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassImage" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassVoice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassChat" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassEmail" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassMessage" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassIM" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassSMS" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassMMS" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorExistingCallsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="swDomainDefaultForMonitorTypeIsDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="acceptsMonitorStartWhileOOS" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MonitorStopCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="switchingFunctionSupportsSending" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="switchingFunctionSupportsReceiving" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SnapshotServList">
  <xsd:sequence>
    <xsd:element name="snapshotCall" type="csta:SnapshotCallCaps" minOccurs="0"/>
    <xsd:element name="snapshotDevice" type="csta:SnapshotDeviceCaps" minOccurs="0"/>
    <xsd:element name="snapshotCallData" type="csta:SnapshotCallDataCaps" minOccurs="0"/>
    <xsd:element name="snapshotDeviceData" type="csta:SnapshotDeviceDataCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SnapshotCallCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="locaConnectionStateInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaServiceInfoListInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaServiceVersionInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaServiceInstanceInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaStreamID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionInformation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristicsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callingDeviceInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="calledDeviceInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="subjectOfCallInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="messageInfoInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferencesInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceHistoryInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="reportsWithSnapsCallData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SnapshotDeviceCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="localCallStateCompoundCallState" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="localCallStateSimpleCallState" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="localCallStateUnknown" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaServiceInfoListInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaServiceVersionInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaServiceInstanceInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaStreamID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionInformation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristicsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="reportsWithSnapsDeviceData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SnapshotCallDataCaps">
  <xsd:sequence>
    <xsd:element name="segmentID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="localConnectionState" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaServiceInformationList" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaServiceVersion" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaServiceInstance" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaStreamID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionInformation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SnapshotDeviceDataCaps">
  <xsd:sequence>
    <xsd:element name="segmentID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="localCallStateCompoundCallState" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="localCallStateSimpleCallState" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="localCallStateUnknown" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaServiceInformationList" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="mediaServiceVersion" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaServiceInstance" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaStreamID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionInformation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="endpointDeviceID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="CallControlServList">
  <xsd:sequence>
    <xsd:element name="acceptCall" type="csta:AcceptCallCaps" minOccurs="0"/>
    <xsd:element name="alternateCall" type="csta:AlternateCallCaps" minOccurs="0"/>
    <xsd:element name="answerCall" type="csta:AnswerCallCaps" minOccurs="0"/>
    <xsd:element name="callBack" type="csta:CallBackCaps" minOccurs="0"/>
    <xsd:element name="callBackMessage" type="csta:CallBackMessageCaps" minOccurs="0"/>
    <xsd:element name="campOnCall" type="csta:CampOnCallCaps" minOccurs="0"/>
    <xsd:element name="clearCall" type="csta:ClearCallCaps" minOccurs="0"/>
    <xsd:element name="clearConnection" type="csta:ClearConnectionCaps" minOccurs="0"/>
    <xsd:element name="conferenceCall" type="csta:ConferenceCallCaps" minOccurs="0"/>
    <xsd:element name="consultationCall" type="csta:ConsultationCallCaps" minOccurs="0"/>
    <xsd:element name="deflectCall" type="csta:DeflectCallCaps" minOccurs="0"/>
    <xsd:element name="dialDigits" type="csta:DialDigitsCaps" minOccurs="0"/>
    <xsd:element name="directedPickupCall" type="csta:DirectedPickupCallCaps" minOccurs="0"/>
    <xsd:element name="groupPickupCall" type="csta:GroupPickupCallCaps" minOccurs="0"/>
    <xsd:element name="holdCall" type="csta:HoldCallCaps" minOccurs="0"/>
    <xsd:element name="intrudeCall" type="csta:IntrudeCallCaps" minOccurs="0"/>
    <xsd:element name="joinCall" type="csta:JoinCallCaps" minOccurs="0"/>
    <xsd:element name="makeCall" type="csta:MakeCallCaps" minOccurs="0"/>
    <xsd:element name="makePredictiveCall" type="csta:MakePredictiveCallCaps" minOccurs="0"/>
    <xsd:element name="parkCall" type="csta:ParkCallCaps" minOccurs="0"/>
    <xsd:element name="reconnectCall" type="csta:ReconnectCallCaps" minOccurs="0"/>
    <xsd:element name="retrieveCall" type="csta:RetrieveCallCaps" minOccurs="0"/>
    <xsd:element name="sendMessage" type="csta:SendMessageCaps" minOccurs="0"/>
    <xsd:element name="singleStepConference" type="csta:SingleStepConferenceCaps" minOccurs="0"/>
    <xsd:element name="singleStepTransfer" type="csta:SingleStepTransferCaps" minOccurs="0"/>
    <xsd:element name="transferCall" type="csta:TransferCallCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="AcceptCallCaps">
  <xsd:sequence>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="AlternateCallCaps">
  <xsd:sequence>
    <xsd:element name="alerting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="hold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="queued" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionReservation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="consultOptionConsultOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="consultOptionTransferOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="consultOptionConferenceOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="consultOptionUnrestricted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsOfferedModeOfAlerting" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="AnswerCallCaps">
  <xsd:sequence>
```

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```
    <xsd:element name="alerting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="initiated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="queued" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsOfferedModeOfAlerting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
 <xsd:complexType name="CallBackCaps">
  <xsd:sequence>
    <xsd:element name="alerting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="null" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="failed" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="queued" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="targetDeviceInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="moreCallBacksNegAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
 <xsd:complexType name="CallBackMessageCaps">
  <xsd:sequence>
    <xsd:element name="alerting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="null" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="failed" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="queued" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="targetDeviceInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="moreCallBacksNegAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
 <xsd:complexType name="CampOnCallCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
 <xsd:complexType name="ClearCallCaps">
  <xsd:sequence>
    <xsd:element name="alerting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="failed" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="queued" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="initiated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="hold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="reason" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
```

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```
<xsd:complexType name="ClearConnectionCaps">
 <xsd:sequence>
  <xsd:element name="alerting" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="connected" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="fail" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="queued" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="initiated" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="hold" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="reason" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ConferenceCallCaps">
 <xsd:sequence>
  <xsd:element name="activeCallConnected" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="activeCallHold" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="heldCallConnected" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="heldCallHold" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="connectionParameterInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="endpointDeviceID" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="resultingConnectionInfo" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="conferenceCallOnfoInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="protectedAgainstClearing" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ConsultationCallCaps">
 <xsd:sequence>
  <xsd:element name="connectionReservation" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="accountCode" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="authCode" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsACDCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsLowPriorityCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsPriorityCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsHighPriorityCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsMaintenanceCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsDirectAgent" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsAssistCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsVoiceUnitCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsPrivateCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsPersonalCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsSensitiveCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsConfidentialCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsEncryptedCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callingConnectionInfo" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="flowDirectionTransmit" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="flowDirectionReceive" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="flowDirectionTransmitAndReceive" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="flowDirectionNone" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="numberOfChannels" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="mediaSessionInfo" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="consultOptionConsultOnly" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="consultOptionTransferOnly" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="consultOptionConferenceOnly" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="consultOptionUnrestricted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="initiatedCallInfoInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="multiStage" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsAdjustmentOfMediaCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DeflectCallCaps">
  <xsd:sequence>
    <xsd:element name="alerting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="failed" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="hold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="queued" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="reason" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DialDigitsCaps">
  <xsd:sequence>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DirectedPickupCallCaps">
  <xsd:sequence>
    <xsd:element name="alerting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="hold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="queued" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pickedCallInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pickedCallInfoInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsOfferedModeOfAlerting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsPrompting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="promptingMode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GroupPickupCallCaps">
  <xsd:sequence>
    <xsd:element name="alerting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="hold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="queued" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pickGroup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pickedCallInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pickedCallInfoInAck" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsPrompting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="promptingMode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsOfferedModeOfAlerting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="HoldCallCaps">
  <xsd:sequence>
    <xsd:element name="connectionReservation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="IntrudeCallCaps">
  <xsd:sequence>
    <xsd:element name="participationTypeSilent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="participationTypeActive" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="conferencedCallInfoInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsConference" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsAlternate" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="JoinCallCaps">
  <xsd:sequence>
    <xsd:element name="autoOriginatePrompt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="autoOriginateDoNotPrompt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="participationTypeSilent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="participationTypeActive" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="accountCode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="authCode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="conferencedCallInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="conferencedCallInfoInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsPrompting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="promptingMode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MakeCallCaps">
  <xsd:sequence>
    <xsd:element name="initiated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="null" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="accountCode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="authCode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="autoOriginatePrompt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="autoOriginateDoNotPrompt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsACDCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsLowPriorityCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsPriorityCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsHighPriorityCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsMaintenanceCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsDirectAgent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsAssistCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsVoiceUnitCall" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="callCharacteristicsPrivateCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsPersonalCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsSensitiveCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsConfidentialCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsEncryptedCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callingConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="initiatedCallInfoInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="multiStage" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsPrompting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="promptingMode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="offHook" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCharacteristicsAdjustable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="reason" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MakePredictiveCallCaps">
  <xsd:sequence>
    <xsd:element name="signallingDetection" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="signallingConditionCallDelivered" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="signallingConditionCallEstablished" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="signallingConditionActionDestinationDetection" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="signallingConditionActionRemainConnected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="destinationDetection" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="destinationConditionHumanVoice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="destinationConditionAnsweringMachine" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="destinationConditionFax" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="destinationActionClearConnection" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="destinationActionRemainConnected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="defaultActionClearConnection" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="defaultActionRemainConnected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="accountCode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="authCode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="autoOriginatePrompt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="autoOriginateDoNotPrompt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="alertTime" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsACDCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsLowPriorityCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsPriorityCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsHighPriorityCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsMaintenanceCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsDirectAgent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsAssistCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsVoiceUnitCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsPrivateCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsPersonalCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsSensitiveCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsConfidentialCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristicsEncryptedCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="initiatedCallInfoInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsPrompting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="promptingMode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="reservesCallingDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
```

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```
</xsd:complexType>
<xsd:complexType name="ParkCallCaps">
 <xsd:sequence>
  <xsd:element name="hold" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="connected" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="parkedToInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ReconnectCallCaps">
 <xsd:sequence>
  <xsd:element name="alerting" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="connected" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="fail" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="initiated" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="queued" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RetrieveCallCaps">
 <xsd:sequence>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SendMessageCaps">
 <xsd:sequence>
  <xsd:element name="accountCode" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="authCode" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsACDCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsLowPriorityCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsPriorityCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsHighPriorityCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsMaintenanceCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsDirectAgent" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsAssistCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsVoiceUnitCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsPrivateCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsPersonalCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsSensitiveCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsConfidentialCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristicsEncryptedCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SingleStepConferenceCaps">
 <xsd:sequence>
  <xsd:element name="participationTypeActive" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="participationTypeSilent" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="accountCode" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="authCode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="conferencedCallInfoInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
 <xsd:complexType name="SingleStepTransferCaps">
  <xsd:sequence>
    <xsd:element name="accountCode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="authCode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="reason" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionParameterInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="endpointDeviceID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="resultionConnectionInformation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="transferredCollInfoInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="multipleDevices" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
 <xsd:complexType name="TransferCallCaps">
  <xsd:sequence>
    <xsd:element name="activeCallConnected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="activeCallHold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="heldCallConnected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="heldCallHold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionsParameterInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="endpointDeviceID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="resultingConnectionInformation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="transferredCallInfoInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="multipleDevices" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
 <xsd:complexType name="CallControlEvtsList">
    <xsd:sequence>
    <xsd:element name="bridged" type="csta:BridgedCaps" minOccurs="0"/>
    <xsd:element name="callCleared" type="csta:CallClearedCaps" minOccurs="0"/>
    <xsd:element name="conferenced" type="csta:ConferencedCaps" minOccurs="0"/>
    <xsd:element name="connectionCleared" type="csta:ConnectionClearedCaps" minOccurs="0"/>
    <xsd:element name="delivered" type="csta:DeliveredCaps" minOccurs="0"/>
    <xsd:element name="digitsDialed" type="csta:DigitsDialedCaps" minOccurs="0"/>
    <xsd:element name="diverted" type="csta:DivertedCaps" minOccurs="0"/>
    <xsd:element name="established" type="csta:EstablishedCaps" minOccurs="0"/>
    <xsd:element name="failed" type="csta:FailedCaps" minOccurs="0"/>
    <xsd:element name="held" type="csta:HeldCaps" minOccurs="0"/>
    <xsd:element name="netwCapsChanged" type="csta:NetwCapsChangedCaps" minOccurs="0"/>
    <xsd:element name="netwReached" type="csta:NetwReachedCaps" minOccurs="0"/>
    <xsd:element name="offered" type="csta:OfferedCaps" minOccurs="0"/>
    <xsd:element name="originated" type="csta:OriginatedCaps" minOccurs="0"/>
    <xsd:element name="queued" type="csta:QueuedCaps" minOccurs="0"/>
    <xsd:element name="retrieved" type="csta:RetrievedCaps" minOccurs="0"/>
    <xsd:element name="serviceInitiated" type="csta:ServiceInitiatedCaps" minOccurs="0"/>
```

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```
    <xsd:element name="transferred" type="csta:TransferredCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="BridgedCaps">
  <xsd:sequence>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="bridgedConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callLinkageData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="CallClearedCaps">
  <xsd:sequence>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callLinkageData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callIDOnly" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ConferencedCaps">
  <xsd:sequence>
    <xsd:element name="conferenceConnectionsEndpointDeviceID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="conferenceConnectionsresultingConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="bridgedConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceHistory" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ConnectionClearedCaps">
  <xsd:sequence>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="numberUnitsNumberOfChargingUnits" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="numberUnitsTypeOfUnits" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="numberUnitsNumberOfCurrencyUnits" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="typeOfChargingInfoSubTotal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="typeOfChargingInfoTotal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingMultiplierAThousandth" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingMultiplierAHundredth" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingMultiplierATenth" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingMultiplierOne" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingMultiplierTen" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingMultiplierHundred" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingMultiplierThousand" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="droppedConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callLinkageData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceHistory" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
```

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```
</xsd:complexType>
<xsd:complexType name="DeliveredCaps">
 <xsd:sequence>
  <xsd:element name="originatingNIDConnection" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="netwCallingDevice" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="netwCalledDevice" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="connectionInfo" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="messageInfo" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="deviceHistory" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DigitsDialedCaps">
 <xsd:sequence>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="netwCallingDevice" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="netwCalledDevice" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="diallingConnectionInfo" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DivertedCaps">
 <xsd:sequence>
  <xsd:element name="callingDevice" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="calledDevice" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="connectionInfo" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="netwCallingDevice" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="netwCalledDevice" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="messageInfo" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="deviceHistory" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="sendsDivertedToAll" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="EstablishedCaps">
 <xsd:sequence>
  <xsd:element name="originatingNIDConnection" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="netwCallingDevice" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="netwCalledDevice" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="establishedConnectionInfo" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="messageInfo" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="deviceHistory" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="FailedCaps">
 <xsd:sequence>
  <xsd:element name="originatingNIDConnection" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="netwCallingDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="netwCalledDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="failedConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="messageInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceHistory" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callIDOnly" type="xsd:boolean" minOccurs="0"/>
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</xsd:complexType>
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  <xsd:sequence>
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    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="heldConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callLinkageData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
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<xsd:complexType name="NetwCapsChangedCaps">
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    <xsd:element name="progressLocationPublicServLocal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="progressLocationTransit" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="progressLocationPublicServRemote" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="progressLocationPrivateServRemote" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="progressLocationLocal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="progressLocationInternational" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="progressLocationNetwBeyondInterworking" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="progressLocationOther" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="progressDescriptionISDN" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="progressDescriptionQSIG" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="progressDescriptionOther" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="typeOfNetworkNonISDNPublic" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="typeOfNetworkISDNPrivate" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="typeOfNetworkNonISDNPrivate" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="typeOfNetworkOther" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedParameter" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedBridged" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedCallCleared" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedConferenced" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedConnectionCleared" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedDelivered" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedDigitsDialed" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedDiverted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedEstablished" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedFailed" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedHeld" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedNetwCapsChanged" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedNetwReached" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedOffered" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedOriginated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedQueued" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedRetrieved" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedServiceInitiated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedTransferred" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="outboundConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="NetwReachedCaps">
  <xsd:sequence>
    <xsd:element name="originatingNIDConnection" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="typeOfNetworkISDNPublic" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="typeOfNetworkNonISDNPublic" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="typeOfNetworkISDNPrivate" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="typeOfNetworkNonISDNPrivate" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="typeOfNetworkOther" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedParameter" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedBridged" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedCallCleared" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedConferenced" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedConnectionCleared" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedDelivered" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedDigitsDialed" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedDiverted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedEstablished" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedFailed" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedHeld" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedNetwCapsChanged" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedNetwReached" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedOffered" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedOriginated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedQueued" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedRetrieved" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedServiceInitiated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedTransfered" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="outboundConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="netwCallingDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="netwCalledDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceHistory" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="OfferedCaps">
  <xsd:sequence>
    <xsd:element name="originatingNIDConnection" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="netwCallingDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="netwCalledDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="offeredConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="messageInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceHistory" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="OriginatedCaps">
  <xsd:sequence>
    <xsd:element name="originatingDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="netwCallingDevice" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="netwCalledDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="originatedConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="messageInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="QueuedCaps">
   <xsd:sequence>
    <xsd:element name="numberQueued" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callsInFront" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="netwCallingDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="netwCalledDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="queuedConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="messageInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceHistory" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="RetrievedCaps">
   <xsd:sequence>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="retrievedConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callLinkageData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="ServiceInitiatedCaps">
   <xsd:sequence>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="initiatedConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="netwCallingDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="netwCalledDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="messageInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="TransferredCaps">
   <xsd:sequence>
    <xsd:element name="transferredConnectionsEndpointDeviceID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="transferredConnectionsResultingConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="numberUnitsNumberOfChargingUnits" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="numberUnitsTypeOfUnits" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="numberUnitsNumberOfCurrencyUnits" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="typeOfChargingInfoSubTotal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="typeOfChargingInfoTotal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingMultiplierAThousandth" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingMultiplierAHundredth" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingMultiplierATenth" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="chargingMultiplierOne" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingMultiplierTen" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingMultiplierHundred" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingMultiplierThousand" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceHistory" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="CallAssociatedServList">
  <xsd:sequence>
    <xsd:element name="associateData" type="csta:AssociateDataCaps" minOccurs="0"/>
    <xsd:element name="cancelTelephonyTones" type="csta:CancelTelephonyTonesCaps" minOccurs="0"/>
    <xsd:element name="changeConnectionInformation" type="csta:ChangeConnectionInformationCaps" minOccurs="0"/>
    <xsd:element name="generateDigits" type="csta:GenerateDigitsCaps" minOccurs="0"/>
    <xsd:element name="generateTelephonyTones" type="csta:GenerateTelephonyTonesCaps" minOccurs="0"/>
    <xsd:element name="sendUserInformation" type="csta:SendUserInformationCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="AssociateDataCaps">
  <xsd:sequence>
    <xsd:element name="accountCode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="authCode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callQualifyingData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="rejectsRequestsWithOldConnectionID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="CancelTelephonyTonesCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ChangeConnectionInformationCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GenerateDigitsCaps">
  <xsd:sequence>
    <xsd:element name="digitModeDTMF" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="digitModePulse" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDuration" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pulseRate" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pauseDuration" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsDTMFTonesABCD" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsPauseToneChar" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GenerateTelephonyTonesCaps">
```

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```
<xsd:sequence>
  <xsd:element name="toneToSendBeep" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendBilling" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendBusy" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendCarrier" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendConfirmation" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendDial" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendFaxCNG" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendHold" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendHowler" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendIntrusion" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendModemCNG" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendPark" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendRecordWarning" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendReorder" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendRingback" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSilence" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSitVC" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSitIC" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSitRO" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSitNC" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf0" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf1" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf2" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf3" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf4" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf5" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf6" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf7" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf8" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf9" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf10" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf11" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf12" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf13" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf14" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf15" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf16" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf17" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf18" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf19" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf20" type="xsd:boolean" minOccurs="0"/>
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  <xsd:element name="toneToSendSf31" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf32" type="xsd:boolean" minOccurs="0"/>
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  <xsd:element name="toneToSendSf37" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf38" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf39" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf40" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf41" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf42" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf43" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf44" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf45" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendSf46" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="toneToSendSf47" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf48" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf49" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf50" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="toneToSendSf61" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf62" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf63" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf64" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="toneToSendSf67" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf68" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf69" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf70" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf71" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="toneToSendSf73" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="toneToSendSf80" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf81" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf82" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf83" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf84" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf85" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf86" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf87" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf88" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf89" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf90" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf91" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf92" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf93" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf94" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf95" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf96" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf97" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf98" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf99" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf100" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDuration" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SendUserInformationCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
```

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```
</xsd:complexType>
<xsd:complexType name="CallAssociatedEvtsList">
 <xsd:sequence>
  <xsd:element name="callInformation" type="csta:CallInformationCaps" minOccurs="0"/>
  <xsd:element name="charging" type="csta:ChargingCaps" minOccurs="0"/>
  <xsd:element name="digitsGenerated" type="csta:DigitsGeneratedCaps" minOccurs="0"/>
  <xsd:element name="telephonyTonesGenerated" type="csta:TelephonyTonesGeneratedCaps" minOccurs="0"/>
  <xsd:element name="serviceCompletionFailure" type="csta:ServiceCompletionFailureCaps" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="CallInformationCaps">
 <xsd:sequence>
  <xsd:element name="callingDevice" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="accountInfo" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="authorisatinonCode" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callQualifyingData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="connectionInfo" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callLinkageData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="genCallInfoForOutdatedConnID" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ChargingCaps">
 <xsd:sequence>
  <xsd:element name="numberUnitsNumberOfChargingUnits" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="numberUnitsTypeOfUnits" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="numberUnitsNumberOfCurrencyUnits" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="typeOfChargingInfoSubTotal" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="typeOfChargingInfoTotal" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="chargingMultiplierAThousandth" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="chargingMultiplierAHundredth" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="chargingMultiplierATenth" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="chargingMultiplierOne" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="chargingMultiplierTen" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="chargingMultiplierHundred" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="chargingMultiplierThousand" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DigitsGeneratedCaps">
 <xsd:sequence>
  <xsd:element name="digitsDurationList" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="pauseDurationList" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="connectionInfo" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="TelephonyTonesGeneratedCaps">
 <xsd:sequence>
  <xsd:element name="toneToSendBeep" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendBilling" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendBusy" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendCarrier" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendConfirmation" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendDial" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendFaxCNG" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendHold" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendHowler" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendIntrusion" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendModemCNG" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendPark" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="toneToSendRecordWarning" type="xsd:boolean" minOccurs="0"/>
```

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```
<xsd:element name="toneToSendReorder" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendRingback" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSilence" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSitVC" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSitIC" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSitRO" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSitNC" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf0" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf1" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf2" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf3" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf4" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf5" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf6" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf7" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf8" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf9" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf10" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf11" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf12" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf13" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf14" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf15" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf16" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf17" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf18" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf19" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf20" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="toneToSendSf29" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="toneToSendSf31" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf32" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="toneToSendSf46" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="toneToSendSf54" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf55" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf56" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf57" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf58" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf59" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneToSendSf60" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="toneToSendSf61" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf62" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf63" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf64" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf65" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf66" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf67" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf68" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf69" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf70" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf71" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf72" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf73" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf74" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf75" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf76" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf77" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf78" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf79" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf80" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf81" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf82" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf83" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf84" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf85" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf86" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf87" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf88" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf89" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf90" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf91" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf92" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf93" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf94" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf95" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf96" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf97" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf98" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf99" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf100" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneFrequency" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDuration" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pauseDurationList" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ServiceCompletionFailureCaps">
  <xsd:sequence>
    <xsd:element name="primaryCallConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="secondaryCallConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="otherDevicesPrimaryCallList" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="otherDevicesSecondaryCallList" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MediaServList">
  <xsd:sequence>
    <xsd:element name="attachMediaService" type="csta:AttachMediaServiceCaps" minOccurs="0"/>
    <xsd:element name="detachMediaService" type="csta:DetachMediaServiceCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="AttachMediaServiceCaps">
  <xsd:sequence>
    <xsd:element name="mediaServiceVersion" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaServiceInstanceID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionModeConsultConference" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="connectionModeConsultConferenceHold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionModeDeflect" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionModeDirectedPickup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionModeJoin" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionModeSingleStepConference" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionModeSingleStepConferenceHold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionModeSingleStepTransfer" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionModeTransfer" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionModeDirect" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedConnectionState" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaServiceInstanceIDInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaConnectionInfoInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DetachMediaServiceCaps">
  <xsd:sequence>
    <xsd:element name="alerting" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="fail" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="hold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="queued" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MediaEvtsList">
  <xsd:sequence>
    <xsd:element name="mediaAttached" type="csta:MediaAttachedCaps" minOccurs="0"/>
    <xsd:element name="mediaDetached" type="csta:MediaDetachedCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MediaAttachedCaps">
  <xsd:sequence>
    <xsd:element name="mediaServiceVersion" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaServiceInstanceID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaStreamID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MediaDetachedCaps">
  <xsd:sequence>
    <xsd:element name="mediaServiceVersion" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaServiceInstanceID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaStreamID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RouteingServList">
  <xsd:sequence>
    <xsd:element name="routeRegister" type="csta:RouteRegisterCaps" minOccurs="0"/>
    <xsd:element name="routeRegisterCancel" type="csta:RouteRegisterCancelCaps" minOccurs="0"/>
    <xsd:element name="routeRegisterAbort" type="csta:RouteRegisterAbortCaps" minOccurs="0"/>
    <xsd:element name="reRoute" type="csta:ReRouteCaps" minOccurs="0"/>
    <xsd:element name="routeEnd" type="csta:RouteEndCaps" minOccurs="0"/>
    <xsd:element name="routeReject" type="csta:RouteRejectCaps" minOccurs="0"/>
    <xsd:element name="routeRequest" type="csta:RouteRequestCaps" minOccurs="0"/>
```

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```
    <xsd:element name="routeSelect" type="csta:RouteSelectCaps" minOccurs="0"/>
    <xsd:element name="routeUsed" type="csta:RouteUsedCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RouteRegisterCaps">
  <xsd:sequence>
    <xsd:element name="routeingDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedMonitorMediaClass" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedMonitorMediaClassAudio" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedMonitorMediaClassData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedMonitorMediaClassImage" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedMonitorMediaClassVoice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedMonitorMediaClassChat" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedMonitorrMediaClassEmail" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedMonitorrMediaClassMessage" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedMonitorMediaClassIM" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedMonitorMediaClassSMS" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedMonitorMediaClassMMS" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="actualRouteingMediaClassInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="allRouteingDevices" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RouteRegisterAbortCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RouteRegisterCancelCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ReRouteCaps">
  <xsd:sequence>
    <xsd:element name="replyTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
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    <xsd:element name="errorValue" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsSending" type="xsd:boolean" minOccurs="0"/>
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  </xsd:sequence>
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    <xsd:element name="rejectCauseBusyOverflow" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="rejectCauseQueueTimeOverflow" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="rejectCauseCapacityOverflow" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="rejectCauseCalendarOverflow" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="rejectCauseUnknownOverflow" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RouteRequestCaps">
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    <xsd:element name="callingDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routeingDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routeSelAlgorithmACD" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routeSelAlgorithmEmergency" type="xsd:boolean" minOccurs="0"/>
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```
    <xsd:element name="routeSelAlgorithmLeastCost" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routeSelAlgorithmNormal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routeSelAlgorithmUserDefined" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="priority" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="replyTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routedCallInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="subjectOfCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="messageInformation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceHistory" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="nonCallRelatedRouteing" type="xsd:boolean" minOccurs="0"/>
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</xsd:complexType>
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    <xsd:element name="remainRetriesNoListAvailable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="remainRetriesNoCountAvailable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="remainRetriesRetryCount" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routeUsed" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="correlatorData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
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  <xsd:sequence>
    <xsd:element name="buttonPress" type="csta:ButtonPressCaps" minOccurs="0"/>
    <xsd:element name="getAuditoryApparatusInfo" type="csta:GetAuditoryApparatusInfoCaps" minOccurs="0"/>
    <xsd:element name="getButtonInformation" type="csta:GetButtonInformationCaps" minOccurs="0"/>
    <xsd:element name="getDisplay" type="csta:GetDisplayCaps" minOccurs="0"/>
    <xsd:element name="getHookSwitchStatus" type="csta:GetHookSwitchStatusCaps" minOccurs="0"/>
    <xsd:element name="getLampInfo" type="csta:GetLampInfoCaps" minOccurs="0"/>
    <xsd:element name="getLampMode" type="csta:GetLampModeCaps" minOccurs="0"/>
    <xsd:element name="getMessageWaitingIndicator" type="csta:GetMessageWaitingIndicatorCaps" minOccurs="0"/>
    <xsd:element name="getMicrophoneGain" type="csta:GetMicrophoneGainCaps" minOccurs="0"/>
    <xsd:element name="getMicrophoneMute" type="csta:GetMicrophoneMuteCaps" minOccurs="0"/>
    <xsd:element name="getRingerStatus" type="csta:GetRingerStatusCaps" minOccurs="0"/>
    <xsd:element name="getSpeakerMute" type="csta:GetSpeakerMuteCaps" minOccurs="0"/>
    <xsd:element name="getSpeakerVolume" type="csta:GetSpeakerVolumeCaps" minOccurs="0"/>
    <xsd:element name="setButtonInformation" type="csta:SetButtonInformationCaps" minOccurs="0"/>
    <xsd:element name="setDisplay" type="csta:SetDisplayCaps" minOccurs="0"/>
    <xsd:element name="setHookSwitchStatus" type="csta:SetHookSwitchStatusCaps" minOccurs="0"/>
    <xsd:element name="setLampMode" type="csta:SetLampModeCaps" minOccurs="0"/>
    <xsd:element name="setMessageWaitingIndicator" type="csta:SetMessageWaitingIndicatorCaps" minOccurs="0"/>
    <xsd:element name="setMicrophoneGain" type="csta:SetMicrophoneGainCaps" minOccurs="0"/>
    <xsd:element name="setMicrophoneMute" type="csta:SetMicrophoneMuteCaps" minOccurs="0"/>
    <xsd:element name="setRingerStatus" type="csta:SetRingerStatusCaps" minOccurs="0"/>
    <xsd:element name="setSpeakerMute" type="csta:SetSpeakerMuteCaps" minOccurs="0"/>
    <xsd:element name="setSpeakerVolume" type="csta:SetSpeakerVolumeCaps" minOccurs="0"/>
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  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
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```
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GetAuditoryApparatusInfoCaps">
  <xsd:sequence>
    <xsd:element name="auditoryApparatus" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="auditoryApparatusTypeSpeakerphone" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="auditoryApparatusTypeHandset" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="auditoryApparatusTypeHeadset" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="auditoryApparatusTypeSpeakerOnlyPhone" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="auditoryApparatusTypeother" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="speakerPresent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="speakerVolumeSettable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="speakerVolumeReadable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="speakerMuteSettable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="speakerMuteReadable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="microphonePresent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="microphoneGainSettable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="microphoneGainReadable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="microphoneMuteSettable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="microphoneMuteReadable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="hookswitchSettable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="hookswitchOnHook" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GetButtonInformationCaps">
  <xsd:sequence>
    <xsd:element name="button" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="buttonLabelInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="buttonLabelSettableInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="buttonFunctionInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="buttonAssociatedNumberInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="buttonAssociatedNumberSettableInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="listOfLampsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GetDisplayCaps">
  <xsd:sequence>
    <xsd:element name="displayID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="characterSetASCII" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="characterSetUnicode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="characterSetProprietary" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GetHookSwitchStatusCaps">
  <xsd:sequence>
    <xsd:element name="hookSwitch" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GetLampInfoCaps">
  <xsd:sequence>
    <xsd:element name="lamp" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampLabelInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="buttonInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampColorInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GetLampModeCaps">
  <xsd:sequence>
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```
    <xsd:element name="lamp" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampBrightnessNormal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampBrightnessDim" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampBrightnessBright" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampColorInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="buttonInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GetMessageWaitingIndicatorCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceForMsgInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampIsPresentInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GetMicrophoneGainCaps">
  <xsd:sequence>
    <xsd:element name="auditoryApparatus" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="micGainAbsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GetMicrophoneMuteCaps">
  <xsd:sequence>
    <xsd:element name="auditoryApparatus" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GetRingerStatusCaps">
  <xsd:sequence>
    <xsd:element name="ringer" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringCountInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringPatternInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringVolumeInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringVolumeAbsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GetSpeakerMuteCaps">
  <xsd:sequence>
    <xsd:element name="auditoryApparatus" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GetSpeakerVolumeCaps">
  <xsd:sequence>
    <xsd:element name="auditoryApparatus" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="speakerVolAbsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SetButtonInformationCaps">
  <xsd:sequence>
    <xsd:element name="buttonLabel" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="buttonAssociatedNumber" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
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</xsd:complexType>
<xsd:complexType name="SetDisplayCaps">
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  <xsd:element name="physBaseRowNumber" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="physColumnRowNumber" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="offset" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="supportsModifyingPosition" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
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</xsd:complexType>
<xsd:complexType name="SetHookSwitchStatusCaps">
 <xsd:sequence>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SetLampModeCaps">
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  <xsd:element name="lampModeFlutter" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="lampModeOff" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="lampModeSteady" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="lampModeWink" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="lampModeReserved" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="lampModeSf0" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="lampModeSf1" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="lampModeSf2" type="xsd:boolean" minOccurs="0"/>
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  <xsd:element name="lampModeSf39" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="lampModeSf40" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="lampModeSf41" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="lampModeSf42" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="lampBrightnessDim" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="lampBrightnessBright" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="lampColorSf5" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="lampColorSf6" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="lampColorSf73" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="lampColorSf74" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="lampColorSf84" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampColorSf85" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="lampColorSf88" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="lampColorSf94" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
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<xsd:complexType name="SetMessageWaitingIndicatorCaps">
  <xsd:sequence>
    <xsd:element name="deviceForMsg" type="xsd:boolean" minOccurs="0"/>
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</xsd:complexType>
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
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</xsd:complexType>
<xsd:complexType name="SetMicrophoneMuteCaps">
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    <xsd:element name="ringerModeRinging" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringerModeNotRinging" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringVolumeAbs" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
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<xsd:complexType name="SetSpeakerVolumeCaps">
 <xsd:sequence>
  <xsd:element name="speakerVolumeAbs" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="speakerVolumeInc" type="xsd:boolean" minOccurs="0"/>
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  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="resettedAfterCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="notSettableWhileActive" type="xsd:boolean" minOccurs="0"/>
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</xsd:complexType>
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  <xsd:element name="buttonPress" type="csta:ButtonPressEventCaps" minOccurs="0"/>
  <xsd:element name="displayUpdated" type="csta:DisplayUpdatedCaps" minOccurs="0"/>
  <xsd:element name="hookswitch" type="csta:HookswitchCaps" minOccurs="0"/>
  <xsd:element name="lampMode" type="csta:LampModeCaps" minOccurs="0"/>
  <xsd:element name="messageWaiting" type="csta:MessageWaitingCaps" minOccurs="0"/>
  <xsd:element name="microphoneGain" type="csta:MicrophoneGainCaps" minOccurs="0"/>
  <xsd:element name="microphoneMute" type="csta:MicrophoneMuteCaps" minOccurs="0"/>
  <xsd:element name="ringerStatus" type="csta:RingerStatusCaps" minOccurs="0"/>
  <xsd:element name="speakerMute" type="csta:SpeakerMuteCaps" minOccurs="0"/>
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  <xsd:element name="buttonPressIndicator" type="xsd:boolean" minOccurs="0"/>
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  <xsd:element name="lampModeSteady" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="lampModeWink" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="lampModeReserved" type="xsd:boolean" minOccurs="0"/>
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  <xsd:element name="lampModeSf5" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="lampModeSf73" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="lampModeSf74" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="lampColorSf37" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="lampColorSf38" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="lampColorSf86" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="lampColorSf91" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampColorSf92" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampColorSf93" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampColorSf94" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MessageWaitingCaps">
  <xsd:sequence>
    <xsd:element name="deviceForMsg" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MicrophoneGainCaps">
  <xsd:sequence>
```

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```
    <xsd:element name="microphoneGainAbs" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="microphoneGainInc" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MicrophoneMuteCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RingerStatusCaps">
  <xsd:sequence>
    <xsd:element name="ringerModeRinging" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringerModeNotRinging" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringCount" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringPattern" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringVolumeAbs" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringVolumeInc" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SpeakerMuteCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SpeakerVolumeCaps">
  <xsd:sequence>
    <xsd:element name="speakerVolumeAbs" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="speakerVolumeInc" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="LogicalServList">
  <xsd:sequence>
    <xsd:element name="callBackNonCallRel" type="csta:CallBackNonCallRelCaps" minOccurs="0"/>
    <xsd:element name="callBackMsgNonCallRel" type="csta:CallBackMsgNonCallRelCaps" minOccurs="0"/>
    <xsd:element name="cancelCallBack" type="csta:CancelCallBackCaps" minOccurs="0"/>
    <xsd:element name="cancelCallBackMsg" type="csta:CancelCallBackMsgCaps" minOccurs="0"/>
    <xsd:element name="getAgentState" type="csta:GetAgentStateCaps" minOccurs="0"/>
    <xsd:element name="getAutoAnswer" type="csta:GetAutoAnswerCaps" minOccurs="0"/>
    <xsd:element name="getAutoWorkMode" type="csta:GetAutoWorkModeCaps" minOccurs="0"/>
    <xsd:element name="getCallerIDStatus" type="csta:GetCallerIDStatusCaps" minOccurs="0"/>
    <xsd:element name="getDoNotDisturb" type="csta:GetDoNotDisturbCaps" minOccurs="0"/>
    <xsd:element name="getForwarding" type="csta:GetForwardingCaps" minOccurs="0"/>
    <xsd:element name="getLastNumberDialed" type="csta:GetLastNumberDialedCaps" minOccurs="0"/>
    <xsd:element name="getRouteingMode" type="csta:GetRouteingModeCaps" minOccurs="0"/>
    <xsd:element name="setAgentState" type="csta:SetAgentStateCaps" minOccurs="0"/>
    <xsd:element name="setAutoAnswer" type="csta:SetAutoAnswerCaps" minOccurs="0"/>
    <xsd:element name="setAutoWorkMode" type="csta:SetAutoWorkModeCaps" minOccurs="0"/>
    <xsd:element name="setCallerIDStatus" type="csta:SetCallerIDStatusCaps" minOccurs="0"/>
    <xsd:element name="setDoNotDisturb" type="csta:SetDoNotDisturbCaps" minOccurs="0"/>
    <xsd:element name="setForwarding" type="csta:SetForwardingCaps" minOccurs="0"/>
    <xsd:element name="setRouteingMode" type="csta:SetRouteingModeCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="CallBackNonCallRelCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="additionalReqForbidden" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="CallBackMsgNonCallRelCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
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```
    <xsd:element name="additionalReqForbidden" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="CancelCallBackCaps">
   <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsClearing" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="CancelCallBackMsgCaps">
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    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsClearing" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="GetAgentStateCaps">
   <xsd:sequence>
    <xsd:element name="acdGroup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentStateListAgentIDInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentGroupInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pendingAgentStateInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentStateConditionForcedPauseInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentStateConditionPauseInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="GetAutoAnswerCaps">
   <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="numberOfRingsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="GetAutoWorkModeCaps">
   <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="autoWorkIntervalInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="GetCallerIDStatusCaps">
   <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="GetDoNotDisturbCaps">
   <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callOriginParameterInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callOriginInternInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callOriginExternInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callingDeviceListInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="GetForwardingCaps">
   <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardListInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardListImmediateInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardListBusyInAck" type="xsd:boolean" minOccurs="0"/>
```

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    <xsd:element name="forwardListDNDInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardListNoAnsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardListBusyIntInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardListBusyExtInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardListDNDIntInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardListDNDExtInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardListNoAnsIntInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardListNoAnsExtInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardListImmIntInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardListImmExtInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardDNInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardDefaultInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardDefaultTypeAndDNInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardDefaultTypeInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardDefaultDNInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringCountInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GetLastNumberDialedCaps">
  <xsd:sequence>
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    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GetRouteingModeCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SetAgentStateCaps">
  <xsd:sequence>
    <xsd:element name="requestedAgentStateLoggedOn" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedAgentStateLoggedOff" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedAgentStateNotReady" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedAgentStateReady" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedAgentStateWorkingAfterCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="password" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="group" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pendingAgentStateWorkingAfterCallInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pendingAgentStateNotReadyInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pendingAgentStateNullInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="groupDeviceAllowedInReq" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="aCDDeviceAllowedInReq" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="delayTransitionIfBusy" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="delayTransitionIfWorkingAfterCall" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SetAutoAnswerCaps">
  <xsd:sequence>
    <xsd:element name="numberOfRings" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SetAutoWorkModeCaps">
  <xsd:sequence>
    <xsd:element name="autoWorkInterval" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="groupDeviceAllowedInReq" type="xsd:boolean" minOccurs="0"/>
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```
    <xsd:element name="aCDDeviceAllowedInReq" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="SetCallerIDStatusCaps">
   <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="SetDoNotDisturbCaps">
   <xsd:sequence>
    <xsd:element name="callOriginationInternal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callOriginationExternal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callingDeviceList" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="SetForwardingCaps">
   <xsd:sequence>
    <xsd:element name="forwardingTypeBusy" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeBusyInt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeBusyExt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeDND" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeDNDInt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeDNDExt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeNoAns" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeNoAnsInt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeNoAnsExt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeImmediate" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeImmInt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeImmExt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardDN" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringCount" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="SetRouteingModeCaps">
   <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="LogicalEvtsList">
   <xsd:sequence>
    <xsd:element name="agentBusy" type="csta:AgentBusyCaps" minOccurs="0"/>
    <xsd:element name="agentLoggedOff" type="csta:AgentLoggedOffCaps" minOccurs="0"/>
    <xsd:element name="agentLoggedOn" type="csta:AgentLoggedOnCaps" minOccurs="0"/>
    <xsd:element name="agentNotReady" type="csta:AgentNotReadyCaps" minOccurs="0"/>
    <xsd:element name="agentReady" type="csta:AgentReadyCaps" minOccurs="0"/>
    <xsd:element name="agentWorkingAfterCall" type="csta:AgentWorkingAfterCallCaps" minOccurs="0"/>
    <xsd:element name="autoAnswer" type="csta:AutoAnswerCaps" minOccurs="0"/>
    <xsd:element name="autoWorkMode" type="csta:AutoWorkModeCaps" minOccurs="0"/>
    <xsd:element name="callBack" type="csta:CallBackEventCaps" minOccurs="0"/>
    <xsd:element name="callBackMessage" type="csta:CallBackMessageEventCaps" minOccurs="0"/>
    <xsd:element name="callerIDStatus" type="csta:CallerIDStatusCaps" minOccurs="0"/>
    <xsd:element name="doNotDisturb" type="csta:DoNotDisturbCaps" minOccurs="0"/>
    <xsd:element name="forwarding" type="csta:ForwardingCaps" minOccurs="0"/>
    <xsd:element name="routeingMode" type="csta:RouteingModeCaps" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="AgentBusyCaps">
   <xsd:sequence>
```

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```
    <xsd:element name="agentID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="acdGroup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pendingAgentStateWorkingAfterCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pendingAgentStateNotReady" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pendingAgentStateReady" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pendingAgentStateNull" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="AgentLoggedOffCaps">
   <xsd:sequence>
    <xsd:element name="agentID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="acdGroup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentPassword" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="AgentLoggedOnCaps">
   <xsd:sequence>
    <xsd:element name="agentID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="acdGroup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentPassword" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="AgentNotReadyCaps">
   <xsd:sequence>
    <xsd:element name="agentID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="acdGroup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="AgentReadyCaps">
   <xsd:sequence>
    <xsd:element name="agentID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="acdGroup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="AgentWorkingAfterCallCaps">
   <xsd:sequence>
    <xsd:element name="agentID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="acdGroup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pendingAgentStateNotReady" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pendingAgentStateReady" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pendingAgentStateNull" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="AutoAnswerCaps">
   <xsd:sequence>
    <xsd:element name="numberOfRings" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="AutoWorkModeCaps">
   <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="CallBackEventCaps">
   <xsd:sequence>
```

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```
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="CallBackMessageEventCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="CallerIDStatusCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DoNotDisturbCaps">
  <xsd:sequence>
    <xsd:element name="callOriginationParameter" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callOriginationInternal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callOriginationExternal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callingDeviceList" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ForwardingCaps">
  <xsd:sequence>
    <xsd:element name="forwardingTypeBusy" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeBusyInt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeBusyExt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeDND" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeDNDInt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeDNDExt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeNoAns" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeNoAnsInt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeNoAnsExt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeImmediate" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeImmInt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeImmExt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardTo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardDefaultTypeAndDN" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardDefaultType" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardDefaultDN" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringCount" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RouteingModeCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DeviceMaintEvtsList">
  <xsd:sequence>
    <xsd:element name="backInService" type="csta:BackInServiceCaps" minOccurs="0"/>
    <xsd:element name="deviceCapsChanged" type="csta:DeviceCapsChangedCaps" minOccurs="0"/>
    <xsd:element name="outOfService" type="csta:OutOfServiceCaps" minOccurs="0"/>
    <xsd:element name="partiallyInService" type="csta:PartiallyInServiceCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="BackInServiceCaps">
  <xsd:sequence>
    <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DeviceCapsChangedCaps">
  <xsd:sequence>
    <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
```

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```
</xsd:complexType>
<xsd:complexType name="OutOfServiceCaps">
 <xsd:sequence>
  <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="PartiallyInServiceCaps">
 <xsd:sequence>
  <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="IOServicesServList">
 <xsd:sequence>
  <xsd:element name="ioRegister" type="csta:IoRegisterCaps" minOccurs="0"/>
  <xsd:element name="ioRegisterAbort" type="csta:IoRegisterAbortCaps" minOccurs="0"/>
  <xsd:element name="ioRegisterCancel" type="csta:IoRegisterCancelCaps" minOccurs="0"/>
  <xsd:element name="dataPathResumed" type="csta:DataPathResumedCaps" minOccurs="0"/>
  <xsd:element name="dataPathSuspended" type="csta:DataPathSuspendedCaps" minOccurs="0"/>
  <xsd:element name="fastData" type="csta:FastDataCaps" minOccurs="0"/>
  <xsd:element name="resumeDataPath" type="csta:ResumeDataPathCaps" minOccurs="0"/>
  <xsd:element name="sendBroadcastData" type="csta:SendBroadcastDataCaps" minOccurs="0"/>
  <xsd:element name="sendData" type="csta:SendDataCaps" minOccurs="0"/>
  <xsd:element name="sendMulticastData" type="csta:SendMulticastDataCaps" minOccurs="0"/>
  <xsd:element name="startDataPath" type="csta:StartDataPathCaps" minOccurs="0"/>
  <xsd:element name="stopDataPath" type="csta:StopDataPathCaps" minOccurs="0"/>
  <xsd:element name="suspendDataPath" type="csta:SuspendDataPathCaps" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="IoRegisterCaps">
 <xsd:sequence>
  <xsd:element name="ioDevice" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="allIODevices" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="IoRegisterAbortCaps">
 <xsd:sequence>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="IoRegisterCancelCaps">
 <xsd:sequence>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DataPathResumedCaps">
 <xsd:sequence>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DataPathSuspendedCaps">
 <xsd:sequence>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="FastDataCaps">
 <xsd:sequence>
  <xsd:element name="objectDevice" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="objectCall" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="dataPathTypeText" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="dataPathTypeVoice" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="displayAttribPhyBaseRowNumber" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="displayAttribPhyBaseColumnNumber" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="displayAttribOffset" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsModifyingPosition" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ResumeDataPathCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sendsDataPathResumed" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SendBroadcastDataCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dataPathTypeText" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dataPathTypeVoice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="displayAttribPhyBaseRowNumber" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="displayAttribPhyBaseColumnNumber" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="displayAttribOffset" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsModifyingPosition" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SendDataCaps">
  <xsd:sequence>
    <xsd:element name="displayAttribPhyBaseRowNumber" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="displayAttribPhyBaseColumnNumber" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="displayAttribOffset" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ioCauseTerminationCharReceived" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ioCauseCharCountReached" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ioCauseTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ioCauseSfTerminated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsModifyingPosition" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SendMulticastDataCaps">
  <xsd:sequence>
    <xsd:element name="ioData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="displayAttribPhyBaseRowNumber" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="displayAttribPhyBaseColumnNumber" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="displayAttribOffset" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsModifyingPosition" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="StartDataPathCaps">
  <xsd:sequence>
    <xsd:element name="objectDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="objectCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dataPathDirectionCfToObject" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dataPathDirectionObjectToCf" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dataPathDirectionBidirectional" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dataPathTypeText" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dataPathTypeVoice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="numberOfCharsToCollect" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="terminationChar" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="timeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="numberOfCharsToCollectInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="terminationCharInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="timeoutInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
```

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```
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="StopDataPathCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SuspendDataPathCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DataCollectionServList">
  <xsd:sequence>
    <xsd:element name="dataCollected" type="csta:DataCollectedCaps" minOccurs="0"/>
    <xsd:element name="dataCollectionResumed" type="csta:DataCollectionResumedCaps" minOccurs="0"/>
    <xsd:element name="dataCollectionSuspended" type="csta:DataCollectionSuspendedCaps" minOccurs="0"/>
    <xsd:element name="resumeDataCollection" type="csta:ResumeDataCollectionCaps" minOccurs="0"/>
    <xsd:element name="startDataCollection" type="csta:StartDataCollectionCaps" minOccurs="0"/>
    <xsd:element name="stopDataCollection" type="csta:StopDataCollectionCaps" minOccurs="0"/>
    <xsd:element name="suspendDataCollection" type="csta:SuspendDataCollectionCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DataCollectedCaps">
  <xsd:sequence>
    <xsd:element name="digitsDuration" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="digitsPauseDuration" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedBeep" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedBilling" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedBusy" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedCarrier" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedConfirmation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedDial" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedFaxCNG" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedHold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedHowler" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedIntrusion" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedModemCNG" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedPark" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedRecordWarning" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedReorder" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedRingback" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSilence" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSitVC" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSitIC" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSitRO" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSitNC" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSf0" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSf1" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSf2" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSf3" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSf4" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSf5" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSf6" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSf7" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSf8" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSf9" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedSf10" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDetectedOther" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneFrequency" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneDuration" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="tonePauseDuration" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dcollCauseFushCharReceived" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dcollCauseCharCountReached" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dcollCauseTimeout" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="dcollCauseSFTerminated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="DataCollectionResumedCaps">
   <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="DataCollectionSuspendedCaps">
   <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="ResumeDataCollectionCaps">
   <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="StartDataCollectionCaps">
   <xsd:sequence>
    <xsd:element name="objectDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="objectCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dataCollectionTypeDigits" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dataCollectionTypeTones" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="digitsReportingCriteriaNumChars" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="digitsReportingCriteriaFlushChar" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="digitsReportingCriteriaTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="StopDataCollectionCaps">
   <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="SuspendDataCollectionCaps">
   <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="VoiceServList">
   <xsd:sequence>
    <xsd:element name="activate" type="csta:ActivateCaps" minOccurs="0"/>
    <xsd:element name="clear" type="csta:ClearCaps" minOccurs="0"/>
    <xsd:element name="deactivate" type="csta:DeactivateCaps" minOccurs="0"/>
    <xsd:element name="concatenateMsg" type="csta:ConcatenateMsgCaps" minOccurs="0"/>
    <xsd:element name="deleteMsg" type="csta:DeleteMsgCaps" minOccurs="0"/>
    <xsd:element name="playMsg" type="csta:PlayMsgCaps" minOccurs="0"/>
    <xsd:element name="queryVoiceAttrib" type="csta:QueryVoiceAttribCaps" minOccurs="0"/>
    <xsd:element name="queueService" type="csta:QueueServiceCaps" minOccurs="0"/>
    <xsd:element name="recordMsg" type="csta:RecordMsgCaps" minOccurs="0"/>
    <xsd:element name="reposition" type="csta:RepositionCaps" minOccurs="0"/>
    <xsd:element name="resume" type="csta:ResumeCaps" minOccurs="0"/>
    <xsd:element name="review" type="csta:ReviewCaps" minOccurs="0"/>
    <xsd:element name="start" type="csta:StartCaps" minOccurs="0"/>
    <xsd:element name="setVoiceAttrib" type="csta:SetVoiceAttribCaps" minOccurs="0"/>
    <xsd:element name="stop" type="csta:StopCaps" minOccurs="0"/>
    <xsd:element name="suspend" type="csta:SuspendCaps" minOccurs="0"/>
    <xsd:element name="synthesizeMsg" type="csta:SynthesizeMsgCaps" minOccurs="0"/>
   </xsd:sequence>
```

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```
</xsd:complexType>
<xsd:complexType name="ActivateCaps">
 <xsd:sequence>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="grammarName" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ClearCaps">
 <xsd:sequence>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ConcatenateMsgCaps">
 <xsd:sequence>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DeactivateCaps">
 <xsd:sequence>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="grammarName" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DeleteMsgCaps">
 <xsd:sequence>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="PlayMsgCaps">
 <xsd:sequence>
  <xsd:element name="duration" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="terminationParameter" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="terminationDurationExceeded" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="terminationDTMFDigitDetected" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="terminationEndOfSpeechDetected" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="terminationSpeech" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="multipleMsgsSimultaneously" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="QueryVoiceAttribCaps">
 <xsd:sequence>
  <xsd:element name="messageToQuery" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="attribToQueryEncodingAlgorithm" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="attribToQuerySamplingRate" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="attribToQueryDuration" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="attribToQueryFilename" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="attribToQueryCurrentPosition" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="attribToQueryCurrentSpeed" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="attribToQueryCurrentVolume" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="attribToQueryCurrentLevel" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="attribToQueryCurrentState" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="attribToQueryGrammars" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="attribToQueryLanguage" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="attribToQueryMode" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="attribToQueryRetainAudio" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="attribToQuerySilenceTimeout" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="attribToQueryMaxTimeout" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="attribToQueryBabbleTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribToQueryEndSilence" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribToQueryRejectionThreshold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribToQueryAutoInterruptable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribToQueryInnerXML" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribToQueryInterdigitTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribToQueryPreflush" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connection" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckEncodingAlgorithmADPCM6K" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckEncodingAlgorithmADPCM8K" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckEncodingAlgorithmMuLawPCM6K" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckEncodingAlgorithmALawPCM6K" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckSamplingRate" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckDuration" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckFilename" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckCurrentPosition" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckCurrentSpeed" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckCurrentVolumeAbs" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckCurrentGain" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckCurrentState" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckGrammars" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckLanguage" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckMode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckRetainAudio" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckSilenceTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckMaxTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckBabbleTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckEndSilence" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckRejectionThreshold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckAutoInterruptable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckInnerXML" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckInterdigitTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckPreflush" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="QueueServiceCaps">
  <xsd:sequence>
    <xsd:element name="message" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="text" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RecordMsgCaps">
  <xsd:sequence>
    <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="samplingRate" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="encodingAlgorithmADPCM6K" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="encodingAlgorithmADPCM8K" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="encodingAlgorithmMuLawPCM6K" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="encodingAlgorithmALawPCM6K" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="maxDuration" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="terminationParameter" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="terminationDurationExceeded" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="terminationDTMFDigitDetected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="terminationEndOfDataDetected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="terminationSpeechDetected" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RepositionCaps">
  <xsd:sequence>
    <xsd:element name="msgToReposition" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="periodOfRepositionStartOfMsg" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="periodOfRepositionEndOfMsg" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="periodOfRepositionRelativePointer" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ResumeCaps">
  <xsd:sequence>
    <xsd:element name="msgToResume" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="duration" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ReviewCaps">
  <xsd:sequence>
    <xsd:element name="msgToReview" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="periodToResumeStartOfMsg" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="periodToResumeLengthOfReview" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SetVoiceAttribCaps">
  <xsd:sequence>
    <xsd:element name="message" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="currentSpeed" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="currentVolumeAbs" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="currentVolumeInc" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="currentGain" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="grammars" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="language" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="retainAudio" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="silenceTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="maxTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="babbleTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="endSilence" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="rejectionThreshold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="autoInterruptable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="innerXML" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="interdigitTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="preflush" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="StartCaps">
  <xsd:sequence>
    <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="text" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="StopCaps">
  <xsd:sequence>
    <xsd:element name="msgToBeStopped" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SuspendCaps">
```

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```
  <xsd:sequence>
    <xsd:element name="message" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SynthesizeMsgCaps">
  <xsd:sequence>
    <xsd:element name="genderMale" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="genderFemale" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="VoiceEvtsList">
  <xsd:sequence>
    <xsd:element name="bookmarkReached" type="csta:BookmarkReachedCaps" minOccurs="0"/>
    <xsd:element name="completed" type="csta:CompletedCaps" minOccurs="0"/>
    <xsd:element name="dtmfDetected" type="csta:DtmfDetectedCaps" minOccurs="0"/>
    <xsd:element name="emptied" type="csta:EmptiedCaps" minOccurs="0"/>
    <xsd:element name="interruptionDetected" type="csta:InterruptionDetectedCaps" minOccurs="0"/>
    <xsd:element name="notRecognized" type="csta:NotRecognizedCaps" minOccurs="0"/>
    <xsd:element name="play" type="csta:PlayCaps" minOccurs="0"/>
    <xsd:element name="recognized" type="csta:RecognizedCaps" minOccurs="0"/>
    <xsd:element name="record" type="csta:RecordCaps" minOccurs="0"/>
    <xsd:element name="reviewEvent" type="csta:ReviewEventCaps" minOccurs="0"/>
    <xsd:element name="started" type="csta:StartedCaps" minOccurs="0"/>
    <xsd:element name="silenceTimeoutExpired" type="csta:SilenceTimeoutExpiredCaps" minOccurs="0"/>
    <xsd:element name="speechDetected" type="csta:SpeechDetectedCaps" minOccurs="0"/>
    <xsd:element name="stopEvent" type="csta:StopEventCaps" minOccurs="0"/>
    <xsd:element name="suspendPlay" type="csta:SuspendPlayCaps" minOccurs="0"/>
    <xsd:element name="suspendRecord" type="csta:SuspendRecordCaps" minOccurs="0"/>
    <xsd:element name="voiceAttribChanged" type="csta:VoiceAttribChangedCaps" minOccurs="0"/>
    <xsd:element name="voiceErrorOccurred" type="csta:VoiceErrorOccurredCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="BookmarkReachedCaps">
  <xsd:sequence>
    <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="CompletedCaps">
  <xsd:sequence>
    <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="DtmfDetectedCaps">
  <xsd:sequence>
    <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="EmptiedCaps">
  <xsd:sequence>
    <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
```

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```
</xsd:complexType>
<xsd:complexType name="InterruptionDetectedCaps">
 <xsd:sequence>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="NotRecognizedCaps">
 <xsd:sequence>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="result" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="PlayCaps">
 <xsd:sequence>
  <xsd:element name="message" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="length" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="currentPosition" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="speed" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RecognizedCaps">
 <xsd:sequence>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RecordCaps">
 <xsd:sequence>
  <xsd:element name="message" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="length" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="currentPosition" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="speed" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ReviewEventCaps">
 <xsd:sequence>
  <xsd:element name="message" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="length" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="currentPosition" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SilenceTimeoutExpiredCaps">
 <xsd:sequence>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
```

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```
</xsd:complexType>
<xsd:complexType name="SpeechDetectedCaps">
 <xsd:sequence>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="StartedCaps">
 <xsd:sequence>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="StopEventCaps">
 <xsd:sequence>
  <xsd:element name="message" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="length" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="currentPosition" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="speed" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SuspendPlayCaps">
 <xsd:sequence>
  <xsd:element name="message" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="length" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="currentPosition" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SuspendRecordCaps">
 <xsd:sequence>
  <xsd:element name="message" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="length" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="currentPosition" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="VoiceAttribChangedCaps">
 <xsd:sequence>
  <xsd:element name="message" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="playVolumeAbs" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="playVolumeInc" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="recordGain" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="speed" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="currentPosition" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="grammars" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="language" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="mode" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="retainAudio" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="silenceTimeout" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="maxTimeout" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="babbleTimeout" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="endSilence" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="rejectionThreshold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="autoInterruptable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="innerXML" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="interdigitTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="preflush" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="VoiceErrorOccurredCaps">
  <xsd:sequence>
    <xsd:element name="resource" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="CDRServList">
  <xsd:sequence>
    <xsd:element name="cdrNotification" type="csta:CdrNotificationCaps" minOccurs="0"/>
    <xsd:element name="cdrReport" type="csta:CdrReportCaps" minOccurs="0"/>
    <xsd:element name="sendStoredCDRs" type="csta:SendStoredCDRsCaps" minOccurs="0"/>
    <xsd:element name="startCDRTransmission" type="csta:StartCDRTransmissionCaps" minOccurs="0"/>
    <xsd:element name="stopCDRTransmission" type="csta:StopCDRTransmissionCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="CdrNotificationCaps">
  <xsd:sequence>
    <xsd:element name="cdrReasonTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cdrReasonThresholdReached" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cdrReasonOther" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="CdrReportCaps">
  <xsd:sequence>
    <xsd:element name="cdrReasonTimeout" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cdrReasonThresholdReached" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cdrReasonOther" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="recordNumber" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="recordCreationTime" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callingDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="calledDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="assocCallingDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="assocCalledDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="netwCallingDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="netwCalledDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargedDeviceOperator" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargedDeviceNonOperator" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="recordedCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="nodeNumberArea0" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="nodeNumberArea1" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="nodeNumberArea2" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="tarifTable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionStart" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionEnd" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionDuration" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="accessCode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="carrier" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="selectedRoute" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="billingIndicatorNormalCharging" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="billingIndicatorReverseCharging" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="billingIndicatorCreditCardCharging" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="billingIndicatorCallForwarding" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="billingIndicatorCallDeflection" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="billingIndicatorCallTransfer" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="billingIndicatorOther" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="suppServiceInfoNormalCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="suppServiceInfoConsultationCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="suppServiceInfoTransferCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="suppServiceInfoCallCompletion" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="suppServiceInfoCallForwarding" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="suppServiceInfoCallDiversion" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="suppServiceInfoConferencing" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="suppServiceInfoIntrusion" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="suppServiceInfoUserUserInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="suppServiceInfoOther" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="reasonForTermNormalClearing" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="reasonForTermUnsuccessfulCallAttempt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="reasonForTermAbnormalTermination" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="reasonForTermCallTransferred" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="reasonForTermOther" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="authCode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="accountInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceCategory" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="namedDeviceTypes" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="operatorDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lastStoredCDRReportSent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SendStoredCDRsCaps">
  <xsd:sequence>
    <xsd:element name="timePeriod" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="StartCDRTransmissionCaps">
  <xsd:sequence>
    <xsd:element name="transferModeTransferAtEndOfCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="transferModeTransferOnRequest" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="transferModeTransferOnThresholdReached" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="StopCDRTransmissionCaps">
  <xsd:sequence>
    <xsd:element name="cdrTermReasonEndOfData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cdrTermReasonError" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cdrTermReasonThresholdReached" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="cdrTermReasonOther" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="swFunctionSupportsSending" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="swFunctionSupportsReceiving" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="VendorSpecificServList">
  <xsd:sequence>
    <xsd:element name="escapeRegister" type="csta:EscapeRegisterCaps" minOccurs="0"/>
    <xsd:element name="escapeRegisterCancel" type="csta:EscapeRegisterCancelCaps" minOccurs="0"/>
    <xsd:element name="escapeRegisterAbort" type="csta:EscapeRegisterAbortCaps" minOccurs="0"/>
    <xsd:element name="escape" type="csta:EscapeCaps" minOccurs="0"/>
    <xsd:element name="privateDataVersionSelection" type="csta:PrivateDataVersionSelectionCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="EscapeRegisterCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="EscapeRegisterCancelCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="EscapeRegisterAbortCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="EscapeCaps">
  <xsd:sequence>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="swFunctionSupportsSending" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="swFunctionSupportsReceiving" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="PrivateDataVersionSelectionCaps">
  <xsd:sequence>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="VendorSpecificEvtsList">
  <xsd:sequence>
    <xsd:element name="privateEvent" type="csta:PrivateEventCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="PrivateEventCaps">
  <xsd:complexContent>
    <xsd:extension base="csta:Empty"/>
  </xsd:complexContent>
</xsd:complexType>
<xsd:annotation>
  <xsd:documentation>other types</xsd:documentation>
</xsd:annotation>
<xsd:complexType name="DeviceIDFormat">
  <xsd:sequence>
    <xsd:element name="dialableDigitsAsterix" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dialableDigitsHash" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dialableDigitsABCD" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dialableDigitsExclamation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dialableDigitsP" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dialableDigitsT" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dialableDigitsComma" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dialableDigitsW" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dialableDigitsAt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dialableDigitsDollar" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dialableDigitsSemicolon" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprExclamation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprEt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprSlash" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprPercent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprNM" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprGeneric" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprImplicitTON" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprPubTONUnkown" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprPubTONInternal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprPubTONNational" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprPubTONSubscriber" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprPubTONAbbreviated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprPriTONUnknown" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprPriTONLevel3" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprPriTONLevel2" type="xsd:boolean" minOccurs="0"/>
```

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```
    <xsd:element name="sFReprPriTONLevel1" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprPriTONLocal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprPriTONAbbreviated" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sFReprOther" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceNumber" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SwDomainFeatures">
  <xsd:sequence>
    <xsd:element name="isForwardingBefore" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="isForwardingAfter" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="swFunctionDefaultSettings" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userSpecific" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userSpecificDefaultFowardingType" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userSpecificDefaultForwardDestination" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="negativeAcknowledgment" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportFailedWithAssConn" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportFailedWithoutAssConn" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportFailedWithAssConnNotReportet" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="recall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callBack" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="extCallsIncoming" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="extCallsOutgoing" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="prompting" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SwAppearanceAddressability">
  <xsd:sequence>
    <xsd:element name="nonAddressable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="addressable" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SwAppearanceTypes">
  <xsd:sequence>
    <xsd:element name="selectedStandard" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="basicStandard" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="basicBridged" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="exclusiveBridged" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="independentSharedBridged" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="interDependentSharedBridged" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="IgnoreUnsupportedParameters">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="ignoreParameters"/>
    <xsd:enumeration value="rejectMessage"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="PauseTime">
  <xsd:restriction base="xsd:long">
    <xsd:minInclusive value="0"/>
    <xsd:maxInclusive value="2000"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="TimeStampMode">
  <xsd:sequence>
    <xsd:element name="allEvents" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="allAcks" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="allServReqs" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MiscMonitorCaps">
  <xsd:sequence>
    <xsd:element name="groupInclusivModel" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="groupExclusiveModel" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorPhysicalElement" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="acdDeviceInclusiv" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="acdDeviceExclusiv" type="xsd:boolean" minOccurs="0"/>
```

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```
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MaxLengthParameters">
  <xsd:sequence>
    <xsd:element name="accountInfo">
      <xsd:simpleType>
        <xsd:restriction base="xsd:long">
          <xsd:minInclusive value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="authCode">
      <xsd:simpleType>
        <xsd:restriction base="xsd:long">
          <xsd:minInclusive value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="agentID" type="xsd:short"/>
    <xsd:element name="agentPassword">
      <xsd:simpleType>
        <xsd:restriction base="xsd:long">
          <xsd:minInclusive value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="callIDInConnectionID" type="xsd:long"/>
    <xsd:element name="correlatorData" type="xsd:long"/>
    <xsd:element name="privateData" type="xsd:long"/>
    <xsd:element name="deviceIdentifiers" type="xsd:long"/>
    <xsd:element name="userData" type="xsd:long"/>
    <xsd:element name="buttonLabel">
      <xsd:simpleType>
        <xsd:restriction base="xsd:long">
          <xsd:minInclusive value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="lampLabel">
      <xsd:simpleType>
        <xsd:restriction base="xsd:long">
          <xsd:minInclusive value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="charactersToSend">
      <xsd:simpleType>
        <xsd:restriction base="xsd:short">
          <xsd:minInclusive value="0"/>
          <xsd:maxInclusive value="64"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MaxLengthParametersContinued">
  <xsd:sequence>
    <xsd:element name="monitorCrossRefID" type="xsd:long"/>
    <xsd:element name="callQualifyingData" type="xsd:long"/>
    <xsd:element name="subDomainCallLinkageData" type="xsd:long"/>
    <xsd:element name="subDomainThreadID" type="xsd:long"/>
    <xsd:element name="ioData" type="xsd:long"/>
    <xsd:element name="messageInfo" type="xsd:long"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="FilterThreshold">
  <xsd:sequence>
    <xsd:element name="getLogicalDeviceInformation" type="xsd:long"/>
```

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```
<xsd:element name="getPhysicalDeviceInformation" type="xsd:long"/>
<xsd:element name="getSwitchingFunctionCaps" type="xsd:long"/>
<xsd:element name="getSwitchingFunctionDevices" type="xsd:long"/>
<xsd:element name="switchingFunctionDevices" type="xsd:long"/>
<xsd:element name="changeSystemStatusFilter" type="xsd:long"/>
<xsd:element name="systemStatusRegister" type="xsd:long"/>
<xsd:element name="systemStatusRegisterAbort" type="xsd:long"/>
<xsd:element name="systemStatusRegisterCancel" type="xsd:long"/>
<xsd:element name="requestSystemStatus" type="xsd:long"/>
<xsd:element name="systemStatus" type="xsd:long"/>
<xsd:element name="switchingFunctionCapsChanged" type="xsd:long"/>
<xsd:element name="switchingFunctionDevsChanged" type="xsd:long"/>
<xsd:element name="changeMonitorFilter" type="xsd:long"/>
<xsd:element name="monitorStart" type="xsd:long"/>
<xsd:element name="monitorStop" type="xsd:long"/>
<xsd:element name="snapshotCall" type="xsd:long"/>
<xsd:element name="snapshotDevice" type="xsd:long"/>
<xsd:element name="snapshotCallData" type="xsd:long"/>
<xsd:element name="snapshotDeviceData" type="xsd:long"/>
<xsd:element name="acceptCall" type="xsd:long"/>
<xsd:element name="alternateCall" type="xsd:long"/>
<xsd:element name="answerCall" type="xsd:long"/>
<xsd:element name="callBackCallRelated" type="xsd:long"/>
<xsd:element name="callBackMessageCallRelated" type="xsd:long"/>
<xsd:element name="campOnCall" type="xsd:long"/>
<xsd:element name="clearCall" type="xsd:long"/>
<xsd:element name="clearConnection" type="xsd:long"/>
<xsd:element name="conferenceCall" type="xsd:long"/>
<xsd:element name="consultationCall" type="xsd:long"/>
<xsd:element name="deflectCall" type="xsd:long"/>
<xsd:element name="dialDigits" type="xsd:long"/>
<xsd:element name="directedPickupCall" type="xsd:long"/>
<xsd:element name="groupPickupCall" type="xsd:long"/>
<xsd:element name="holdCall" type="xsd:long"/>
<xsd:element name="intrudeCall" type="xsd:long"/>
<xsd:element name="joinCall" type="xsd:long"/>
<xsd:element name="makeCall" type="xsd:long"/>
<xsd:element name="makePredictiveCall" type="xsd:long"/>
<xsd:element name="parkCall" type="xsd:long"/>
<xsd:element name="reconnectCall" type="xsd:long"/>
<xsd:element name="retrieveCall" type="xsd:long"/>
<xsd:element name="singleStepConferenceCall" type="xsd:long"/>
<xsd:element name="singleStepTransferCall" type="xsd:long"/>
<xsd:element name="transferCall" type="xsd:long"/>
<xsd:element name="associateData" type="xsd:long"/>
<xsd:element name="cancelTelephonyTone" type="xsd:long"/>
<xsd:element name="generateDigits" type="xsd:long"/>
<xsd:element name="generateTelephonyTone" type="xsd:long"/>
<xsd:element name="sendUserInformation" type="xsd:long"/>
<xsd:element name="startDTMFDigitsCollection" type="xsd:long"/>
<xsd:element name="startTelephonyTonesCollection" type="xsd:long"/>
<xsd:element name="stopDTMFDigitsCollection" type="xsd:long"/>
<xsd:element name="stopTelephonyTonesCollection" type="xsd:long"/>
<xsd:element name="attachMediaService" type="xsd:long"/>
<xsd:element name="detachMediaService" type="xsd:long"/>
<xsd:element name="routeRegister" type="xsd:long"/>
<xsd:element name="routeRegisterAbort" type="xsd:long"/>
<xsd:element name="routeRegisterCancel" type="xsd:long"/>
<xsd:element name="reRoute" type="xsd:long"/>
<xsd:element name="routeEnd" type="xsd:long"/>
<xsd:element name="routeReject" type="xsd:long"/>
<xsd:element name="routeRequest" type="xsd:long"/>
<xsd:element name="routeSelect" type="xsd:long"/>
<xsd:element name="routeUsed" type="xsd:long"/>
<xsd:element name="buttonPress" type="xsd:long"/>
<xsd:element name="getAuditoryApparatusInfo" type="xsd:long"/>
<xsd:element name="getButtonInformation" type="xsd:long"/>
<xsd:element name="getDisplay" type="xsd:long"/>
```

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```
<xsd:element name="getHookswitchStatus" type="xsd:long"/>
<xsd:element name="getLampInformation" type="xsd:long"/>
<xsd:element name="getLampMode" type="xsd:long"/>
<xsd:element name="getMicrophoneGain" type="xsd:long"/>
<xsd:element name="getMicrophoneMute" type="xsd:long"/>
<xsd:element name="getMessageWaitingIndicator" type="xsd:long"/>
<xsd:element name="getRingerStatus" type="xsd:long"/>
<xsd:element name="getSpeakerMute" type="xsd:long"/>
<xsd:element name="getSpeakerVolume" type="xsd:long"/>
<xsd:element name="setButtonInformation" type="xsd:long"/>
<xsd:element name="setDisplay" type="xsd:long"/>
<xsd:element name="setHookswitchStatus" type="xsd:long"/>
<xsd:element name="setLampMode" type="xsd:long"/>
<xsd:element name="setMsgWaitingIndicator" type="xsd:long"/>
<xsd:element name="setMicrophoneGain" type="xsd:long"/>
<xsd:element name="setMicrophoneMute" type="xsd:long"/>
<xsd:element name="setRingerStatus" type="xsd:long"/>
<xsd:element name="setSpeakerMute" type="xsd:long"/>
<xsd:element name="setSpeakerVolume" type="xsd:long"/>
<xsd:element name="callBackMessageNonCallRelated" type="xsd:long"/>
<xsd:element name="callBackNonCallRelated" type="xsd:long"/>
<xsd:element name="cancelCallBack" type="xsd:long"/>
<xsd:element name="cancelCallBackMessage" type="xsd:long"/>
<xsd:element name="getAgentState" type="xsd:long"/>
<xsd:element name="getAutoAnswer" type="xsd:long"/>
<xsd:element name="getAutoWorkMode" type="xsd:long"/>
<xsd:element name="getCallerIDStatus" type="xsd:long"/>
<xsd:element name="getDoNotDisturb" type="xsd:long"/>
<xsd:element name="getForwarding" type="xsd:long"/>
<xsd:element name="getLastNumberDialed" type="xsd:long"/>
<xsd:element name="getRouteingMode" type="xsd:long"/>
<xsd:element name="setAgentState" type="xsd:long"/>
<xsd:element name="setAutoAnswer" type="xsd:long"/>
<xsd:element name="setAutoWorkMode" type="xsd:long"/>
<xsd:element name="setCallerIDStatus" type="xsd:long"/>
<xsd:element name="setDoNotDisturb" type="xsd:long"/>
<xsd:element name="setForwarding" type="xsd:long"/>
<xsd:element name="setRouteingMode" type="xsd:long"/>
<xsd:element name="backInService" type="xsd:long"/>
<xsd:element name="deviceCapsChanged" type="xsd:long"/>
<xsd:element name="outOfService" type="xsd:long"/>
<xsd:element name="partiallyInService" type="xsd:long"/>
<xsd:element name="ioRegister" type="xsd:long"/>
<xsd:element name="ioRegisterAbort" type="xsd:long"/>
<xsd:element name="ioRegisterCancel" type="xsd:long"/>
<xsd:element name="dataPathResumed" type="xsd:long"/>
<xsd:element name="dataPathSuspended" type="xsd:long"/>
<xsd:element name="fastData" type="xsd:long"/>
<xsd:element name="resumeDataPath" type="xsd:long"/>
<xsd:element name="sendBroadcastData" type="xsd:long"/>
<xsd:element name="sendData" type="xsd:long"/>
<xsd:element name="sendMulticastData" type="xsd:long"/>
<xsd:element name="startDataPath" type="xsd:long"/>
<xsd:element name="stopDataPath" type="xsd:long"/>
<xsd:element name="suspendDataPath" type="xsd:long"/>
<xsd:element name="concatenateMsg" type="xsd:long"/>
<xsd:element name="deleteMsg" type="xsd:long"/>
<xsd:element name="playMsg" type="xsd:long"/>
<xsd:element name="queryVoiceAttribute" type="xsd:long"/>
<xsd:element name="recordMsg" type="xsd:long"/>
<xsd:element name="reposition" type="xsd:long"/>
<xsd:element name="resume" type="xsd:long"/>
<xsd:element name="review" type="xsd:long"/>
<xsd:element name="setVoiceAttribute" type="xsd:long"/>
<xsd:element name="stop" type="xsd:long"/>
<xsd:element name="suspend" type="xsd:long"/>
<xsd:element name="synthesizeMsg" type="xsd:long"/>
<xsd:element name="cDRNotification" type="xsd:long"/>
```

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```
    <xsd:element name="cDRReport" type="xsd:long"/>
    <xsd:element name="sendStoredCDRs" type="xsd:long"/>
    <xsd:element name="startCDRTransmission" type="xsd:long"/>
    <xsd:element name="stopCDRTransmission" type="xsd:long"/>
    <xsd:element name="escapeRegister" type="xsd:long"/>
    <xsd:element name="escapeRegisterAbort" type="xsd:long"/>
    <xsd:element name="escapeRegisterCancel" type="xsd:long"/>
    <xsd:element name="escape" type="xsd:long"/>
    <xsd:element name="privateDataVersion" type="xsd:long"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="MediaServiceCapsList">
   <xsd:sequence>
    <xsd:element name="mediaServiceCapsItem" minOccurs="0" maxOccurs="unbounded">
     <xsd:complexType>
      <xsd:sequence>
       <xsd:element name="mediaServiceType" type="csta:MediaServiceType"/>
       <xsd:element name="mediaServiceVersion" type="xsd:long" minOccurs="0"/>
       <xsd:element name="mediaServiceInstance" type="csta:MediaServiceInstanceID" minOccurs="0"/>
       <xsd:element name="connectionMode" type="csta:ConnectionModeBMap" minOccurs="0"/>
       <xsd:element name="mediaStreamIDSupported" type="xsd:boolean"/>
      </xsd:sequence>
     </xsd:complexType>
    </xsd:element>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:simpleType name="DeviceCategory">
   <xsd:restriction base="xsd:string">
    <xsd:enumeration value="acd"/>
    <xsd:enumeration value="group"/>
    <xsd:enumeration value="networkInterface"/>
    <xsd:enumeration value="park"/>
    <xsd:enumeration value="routeingDevice"/>
    <xsd:enumeration value="station"/>
    <xsd:enumeration value="voiceUnit"/>
    <xsd:enumeration value="other"/>
   </xsd:restriction>
  </xsd:simpleType>
  <xsd:complexType name="GroupDeviceAttributes">
   <xsd:sequence>
    <xsd:element name="acd" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="hunt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pick" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="user" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="other" type="xsd:boolean" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:simpleType name="NamedDeviceTypes">
   <xsd:restriction base="xsd:string">
    <xsd:enumeration value="acd"/>
    <xsd:enumeration value="acdGroup"/>
    <xsd:enumeration value="button"/>
    <xsd:enumeration value="buttonGroup"/>
    <xsd:enumeration value="conferenceBridge"/>
    <xsd:enumeration value="line"/>
    <xsd:enumeration value="lineGroup"/>
    <xsd:enumeration value="operator"/>
    <xsd:enumeration value="operatorGroup"/>
    <xsd:enumeration value="parkingDevice"/>
    <xsd:enumeration value="station"/>
    <xsd:enumeration value="stationGroup"/>
    <xsd:enumeration value="trunk"/>
    <xsd:enumeration value="trunkGroup"/>
    <xsd:enumeration value="other"/>
    <xsd:enumeration value="otherGroup"/>
   </xsd:restriction>
  </xsd:simpleType>
  <xsd:complexType name="ACDModels">
```

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```
  <xsd:sequence>
    <xsd:element name="visibleACDRelatedDevices" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="nonVisibleACDRelatedDevices" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
 <xsd:complexType name="AgentLogOnModels">
  <xsd:sequence>
    <xsd:element name="logOnToACDDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="logOnToACDGroupExplOneStep" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="logOnToACDGroupExplTwoSteps" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="logOnToACDImplOneStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
 <xsd:simpleType name="AppearanceType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="selectedStandard"/>
    <xsd:enumeration value="basicStandard"/>
    <xsd:enumeration value="basicBridged"/>
    <xsd:enumeration value="exclusiveBridged"/>
    <xsd:enumeration value="independentSharedBridged"/>
    <xsd:enumeration value="interdependentSharedBridged"/>
  </xsd:restriction>
 </xsd:simpleType>
 <xsd:complexType name="TransAndConfSetup">
  <xsd:sequence>
    <xsd:element name="consultationCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="holdCallMakeCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="alternateCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="twoCallsInHold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="twoCallsInConnected" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

</xsd:schema>
```

9.11 Call Detail Record

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
   <xsd:documentation>CSTA-call-detail-record</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="security.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="capability-exchange.xsd"/>
 <xsd:include schemaLocation="charge-info.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>

 <xsd:simpleType name="CDRCrossRefID">
   <xsd:restriction base="xsd:string">
     <xsd:minLength value="0"/>
   </xsd:restriction>
 </xsd:simpleType>

 <xsd:element name="cdrCrossRefID" type="csta:CDRCrossRefID"/>

 <xsd:simpleType name="CDRReason">
   <xsd:restriction base="xsd:string">
```

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```
    <xsd:enumeration value="timeout"/>
    <xsd:enumeration value="thresholdReached"/>
    <xsd:enumeration value="other"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="CDRInfo">
  <xsd:sequence>
    <xsd:element name="cdrInformationItem" type="csta:CDRInformationItem" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="CDRInformationItem">
  <xsd:sequence>
    <xsd:element name="recordNumber" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:integer">
          <xsd:minInclusive value="1"/>
          <xsd:maxInclusive value="128"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="recordCreationTime" type="csta:TimeInfo"/>
    <xsd:element ref="csta:callingDevice" minOccurs="0"/>
    <xsd:element ref="csta:calledDevice" minOccurs="0"/>
    <xsd:element ref="csta:associatedCallingDevice" minOccurs="0"/>
    <xsd:element ref="csta:associatedCalledDevice" minOccurs="0"/>
    <xsd:element ref="csta:networkCallingDevice" minOccurs="0"/>
    <xsd:element ref="csta:networkCalledDevice" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element name="chargedDevice" type="csta:ChargedDevice" minOccurs="0"/>
    <xsd:element name="recordedCall" type="csta:ConnectionID" minOccurs="0"/>
    <xsd:element name="nodeNumber" type="csta:NodeNumber" minOccurs="0"/>
    <xsd:element name="tariffTable" type="xsd:long" minOccurs="0"/>
    <xsd:element name="connectionStart" type="csta:TimeInfo" minOccurs="0"/>
    <xsd:element name="connectionEnd" type="csta:TimeInfo" minOccurs="0"/>
    <xsd:element name="connectionDuration" type="xsd:long" minOccurs="0"/>
    <xsd:element name="accessCode" type="xsd:string" minOccurs="0"/>
    <xsd:element name="carrier" type="xsd:long" minOccurs="0"/>
    <xsd:element name="selectedRoute" type="xsd:long" minOccurs="0"/>
    <xsd:element name="billingID" type="csta:BillingID" minOccurs="0"/>
    <xsd:element name="chargingInfo" type="csta:ChargingInfo" minOccurs="0"/>
    <xsd:element name="supplServiceInfo" type="csta:SupplServiceInfo" minOccurs="0"/>
    <xsd:element name="reasonForTerm" type="csta:ReasonForTerm" minOccurs="0"/>
    <xsd:element name="authCode" type="csta:AuthCode" minOccurs="0"/>
    <xsd:element name="accountInfo" type="csta:AccountInfo" minOccurs="0"/>
    <xsd:element name="deviceCategory" type="csta:DeviceCategory" minOccurs="0"/>
    <xsd:element name="namedDeviceTypes" type="csta:NamedDeviceTypes" minOccurs="0"/>
    <xsd:element name="operatorDevice" type="csta:DeviceID" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ChargedDevice">
  <xsd:choice>
    <xsd:element name="operator" type="csta:DeviceID"/>
    <xsd:element name="nonOperator" type="csta:DeviceID"/>
  </xsd:choice>
</xsd:complexType>

<xsd:complexType name="NodeNumber">
  <xsd:sequence>
    <xsd:element name="area0" type="xsd:long" minOccurs="0"/>
    <xsd:element name="area1" type="xsd:long" minOccurs="0"/>
    <xsd:element name="area2" type="xsd:long" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
```

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```
<xsd:simpleType name="BillingID">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="normalCharging"/>
    <xsd:enumeration value="reverseCharging"/>
    <xsd:enumeration value="creditCardCharging"/>
    <xsd:enumeration value="callForwarding"/>
    <xsd:enumeration value="callDeflection"/>
    <xsd:enumeration value="callTransfer"/>
    <xsd:enumeration value="other"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="SupplServiceInfo">
  <xsd:sequence>
    <xsd:element name="normalCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="consultationCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="transferCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCompletion" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callForwarding" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callDiversion" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="conferencing" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="intrusion" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="userUserInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="other" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:simpleType name="ReasonForTerm">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="normalClearing"/>
    <xsd:enumeration value="unsuccessfulCallAttempt"/>
    <xsd:enumeration value="abnormalTermination"/>
    <xsd:enumeration value="callTransferred"/>
    <xsd:enumeration value="other"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="CDRTimePeriod">
  <xsd:sequence>
    <xsd:element name="beginningOfCDR" type="csta:TimeInfo"/>
    <xsd:element name="endOfCDR" type="csta:TimeInfo"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:simpleType name="CDRTransferMode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="transferAtEndOfCall"/>
    <xsd:enumeration value="transferOnRequest"/>
    <xsd:enumeration value="transferOnThresholdReached"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="CDRTermReason">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="endOfDataDetected"/>
    <xsd:enumeration value="errorDetected"/>
    <xsd:enumeration value="thresholdReached"/>
    <xsd:enumeration value="other"/>
  </xsd:restriction>
</xsd:simpleType>

</xsd:schema>
```

9.12 Charge information

```
<?xml version="1.0" encoding="UTF-8"?>
```

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```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-charge-info</xsd:documentation>
 </xsd:annotation>

 <xsd:complexType name="ChargingInfo">
  <xsd:sequence>
   <xsd:element name="numberUnits" type="csta:NumberUnits"/>
   <xsd:element name="typeOfChargingInfo">
    <xsd:simpleType>
     <xsd:restriction base="xsd:string">
      <xsd:enumeration value="subTotal"/>
      <xsd:enumeration value="total"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="NumberUnits">
  <xsd:choice>
   <xsd:element name="numberOfChargeUnits" type="csta:NumberOfChargingUnits"/>
   <xsd:element name="numberOfCurrencyUnits" type="csta:NumberOfCurrencyUnits"/>
  </xsd:choice>
 </xsd:complexType>

 <xsd:complexType name="NumberOfChargingUnits">
  <xsd:sequence>
   <xsd:element name="chargingUnitsRecord" type="csta:ChargingUnitsRecord" minOccurs="0"
   maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="ChargingUnitsRecord">
  <xsd:sequence>
   <xsd:element name="chargingUnits" type="xsd:long"/>
   <xsd:element name="typeOfUnits" type="xsd:string" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="NumberOfCurrencyUnits">
  <xsd:sequence>
   <xsd:element name="currencyType">
    <xsd:simpleType>
     <xsd:restriction base="xsd:string"/>
    </xsd:simpleType>
   </xsd:element>
   <xsd:element name="currencyAmount" type="xsd:long"/>
   <xsd:element name="currencyMultiplier">
    <xsd:simpleType>
     <xsd:restriction base="xsd:string">
      <xsd:enumeration value="oneThousandth"/>
      <xsd:enumeration value="oneHundredth"/>
      <xsd:enumeration value="oneTenth"/>
      <xsd:enumeration value="one"/>
      <xsd:enumeration value="ten"/>
      <xsd:enumeration value="hundred"/>
      <xsd:enumeration value="thousand"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
  </xsd:sequence>
 </xsd:complexType>
</xsd:schema>
```

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9.13 Data call types

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-data-call-types</xsd:documentation>
 </xsd:annotation>

 <xsd:simpleType name="NumberOfChannels">
  <xsd:restriction base="xsd:long"/>
 </xsd:simpleType>

 <xsd:simpleType name="MaxChannelBind">
  <xsd:restriction base="xsd:long"/>
 </xsd:simpleType>

 <xsd:complexType name="ConnectionRateList">
  <xsd:sequence>
   <xsd:element name="connectionRate" type="xsd:long" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="DelayToleranceList">
  <xsd:sequence>
   <xsd:element name="delayTolerance" type="xsd:long" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>

</xsd:schema>
```

9.14 Escape types

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-escape-types</xsd:documentation>
 </xsd:annotation>

 <xsd:simpleType name="EscapeRegisterID">
  <xsd:restriction base="xsd:string">
   <xsd:minLength value="0"/>
  </xsd:restriction>
 </xsd:simpleType>

 <xsd:element name="escapeRegisterID" type="csta:EscapeRegisterID"/>

</xsd:schema>
```

9.15 Media services

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
```

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```
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:include schemaLocation="empty.xsd"/>

 <xsd:annotation>
  <xsd:documentation>CSTA-media-services</xsd:documentation>
 </xsd:annotation>

 <xsd:simpleType name="MediaServiceType">
  <xsd:restriction base="xsd:string">
   <xsd:enumeration value="cstaVoiceUnit"/>
   <xsd:enumeration value="dataModem"/>
   <xsd:enumeration value="digitalDataIsochronousIeee1394"/>
   <xsd:enumeration value="digitalDataIsochronousGeoport"/>
   <xsd:enumeration value="digitalDataIsochronousIeeeAtm"/>
   <xsd:enumeration value="digitalDataIsochronousIeeeIsdn"/>
   <xsd:enumeration value="digitalDataApi"/>
   <xsd:enumeration value="ectfS100MediaServicesDefault"/>
   <xsd:enumeration value="ectfS100MediaServicesAppServices"/>
   <xsd:enumeration value="cstaIVRScript1"/>
   <xsd:enumeration value="cstaIVRScript2"/>
   <xsd:enumeration value="cstaIVRScript3"/>
   <xsd:enumeration value="cstaIVRScript4"/>
   <xsd:enumeration value="cstaIVRScript5"/>
   <xsd:enumeration value="cstaIVRScript6"/>
   <xsd:enumeration value="cstaIVRScript7"/>
   <xsd:enumeration value="cstaIVRScript8"/>
   <xsd:enumeration value="cstaIVRScript9"/>
   <xsd:enumeration value="cstaIVRScript10"/>
   <xsd:enumeration value="liveSoundCaptureAnalog"/>
   <xsd:enumeration value="liveSoundTransmitAnalog"/>
   <xsd:enumeration value="liveSoundCaptureIeee1394"/>
   <xsd:enumeration value="liveSoundTransmitIeee1394"/>
   <xsd:enumeration value="liveSoundCaptureTransmitGeoport"/>
   <xsd:enumeration value="liveSoundCaptureTransmitAtm"/>
   <xsd:enumeration value="liveSoundCaptureTransmitISDN"/>
   <xsd:enumeration value="soundCaptureTransmitADPCM"/>
   <xsd:enumeration value="soundCaptureTransmitApi"/>
   <xsd:enumeration value="usb"/>
   <xsd:enumeration value="sfSpecific1"/>
   <xsd:enumeration value="sfSpecific2"/>
   <xsd:enumeration value="sfSpecific3"/>
   <xsd:enumeration value="sfSpecific4"/>
   <xsd:enumeration value="sfSpecific5"/>
   <xsd:enumeration value="sfSpecific6"/>
   <xsd:enumeration value="sfSpecific7"/>
   <xsd:enumeration value="sfSpecific8"/>
   <xsd:enumeration value="sfSpecific9"/>
   <xsd:enumeration value="sfSpecific10"/>
  </xsd:restriction>
 </xsd:simpleType>

 <xsd:simpleType name="MediaStreamID">
  <xsd:restriction base="xsd:string">
  </xsd:restriction>
 </xsd:simpleType>

 <xsd:simpleType name="MediaServiceInstanceID">
  <xsd:restriction base="xsd:string">
  </xsd:restriction>
 </xsd:simpleType>

 <xsd:complexType name="ConnectionInformation">
  <xsd:sequence>
   <xsd:element name="flowDirection" minOccurs="0">
    <xsd:simpleType>
```

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```
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="transmit"/>
          <xsd:enumeration value="receive"/>
          <xsd:enumeration value="transmitAndReceive"/>
          <xsd:enumeration value="none"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="numberOfChannels" type="xsd:long" default="1" minOccurs="0"/>
    <xsd:element name="mediaSessionInfo" type="xsd:string" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:simpleType name="ConnectionMode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="consultationConference"/>
    <xsd:enumeration value="consultationConferenceHold"/>
    <xsd:enumeration value="directedPickup"/>
    <xsd:enumeration value="join"/>
    <xsd:enumeration value="singleStepConference"/>
    <xsd:enumeration value="singleStepConferenceHold"/>
    <xsd:enumeration value="singleStepTransfer"/>
    <xsd:enumeration value="transfer"/>
    <xsd:enumeration value="direct"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="ConnectionModeBMap">
  <xsd:sequence>
    <xsd:element name="consultationConference" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="consultationConferenceHold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="directedPickup" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="join" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="singleStepConference" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="singleStepConferenceHold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="singleStepTransfer" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="transfer" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="direct" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="MediaCallCharacteristics">
  <xsd:sequence>
    <xsd:element name="mediaClass" type="csta:MediaClass"/>
    <xsd:element name="connectionRate" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:long">
          <xsd:minInclusive value="0"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="bitRate" default="constant" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="constant"/>
          <xsd:enumeration value="variable"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="delayTolerance" type="xsd:long" minOccurs="0"/>
    <xsd:element name="switchingSubDomainCCIEType" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="isdn"/>
          <xsd:enumeration value="atm"/>
          <xsd:enumeration value="isoEthernet"/>
          <xsd:enumeration value="rsvp"/>
            <xsd:enumeration value="sip"/>
```

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```
          <xsd:enumeration value="other"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="switchingSubDomainInformationElements" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:hexBinary"/>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:element name="mediaCallCharacteristics" type="csta:MediaCallCharacteristics"/>

 <xsd:complexType name="MediaClass">
  <xsd:sequence>
    <xsd:element name="voice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="data" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="image" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="audio" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="other" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="notKnown" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chat" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="email" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="message" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="im" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sms" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mms" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

</xsd:schema>
```

9.16 Physical device features

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-physical-device-features</xsd:documentation>
 </xsd:annotation>

 <xsd:complexType name="AuditoryApparatusList">
  <xsd:sequence>
    <xsd:element name="auditoryApparatusItem" type="csta:AuditoryApparatusItem" minOccurs="0"
    maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="AuditoryApparatusItem">
  <xsd:sequence>
    <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
    <xsd:element name="auditoryApparatusType">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="speakerphone"/>
          <xsd:enumeration value="handset"/>
          <xsd:enumeration value="headset"/>
          <xsd:enumeration value="speakerOnlyPhone"/>
          <xsd:enumeration value="other"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
```

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```
    <xsd:element name="speaker">
     <xsd:complexType>
      <xsd:sequence>
       <xsd:element name="present" type="xsd:boolean" minOccurs="0"/>
       <xsd:element name="volumeSettable" type="xsd:boolean" minOccurs="0"/>
       <xsd:element name="volumeReadable" type="xsd:boolean" minOccurs="0"/>
       <xsd:element name="muteSettable" type="xsd:boolean" minOccurs="0"/>
       <xsd:element name="muteReadable" type="xsd:boolean" minOccurs="0"/>
      </xsd:sequence>
     </xsd:complexType>
    </xsd:element>
    <xsd:element name="microphone">
     <xsd:complexType>
      <xsd:sequence>
       <xsd:element name="present" type="xsd:boolean" minOccurs="0"/>
       <xsd:element name="gainSettable" type="xsd:boolean" minOccurs="0"/>
       <xsd:element name="gainReadable" type="xsd:boolean" minOccurs="0"/>
       <xsd:element name="muteSettable" type="xsd:boolean" minOccurs="0"/>
       <xsd:element name="muteReadable" type="xsd:boolean" minOccurs="0"/>
      </xsd:sequence>
     </xsd:complexType>
    </xsd:element>
    <xsd:element name="hookswitch">
     <xsd:complexType>
      <xsd:sequence>
       <xsd:element name="hookswitchSettable" type="xsd:boolean" minOccurs="0"/>
       <xsd:element name="hookswitchOnHook" type="xsd:boolean" minOccurs="0"/>
      </xsd:sequence>
     </xsd:complexType>
    </xsd:element>
    <xsd:element name="hookswitchID" type="csta:HookswitchID"/>
   </xsd:sequence>
  </xsd:complexType>

  <xsd:simpleType name="AuditoryApparatusID">
   <xsd:restriction base="xsd:string">
    <xsd:minLength value="0"/>
   </xsd:restriction>
  </xsd:simpleType>

  <xsd:simpleType name="ButtonID">
   <xsd:restriction base="xsd:string">
    <xsd:minLength value="0"/>
   </xsd:restriction>
  </xsd:simpleType>

  <xsd:simpleType name="CharacterSet">
   <xsd:restriction base="xsd:string">
    <xsd:enumeration value="ascii"/>
    <xsd:enumeration value="unicode"/>
    <xsd:enumeration value="proprietary"/>
   </xsd:restriction>
  </xsd:simpleType>

  <xsd:simpleType name="DisplayID">
   <xsd:restriction base="xsd:string">
    <xsd:minLength value="0"/>
   </xsd:restriction>
  </xsd:simpleType>

  <xsd:simpleType name="HookswitchID">
   <xsd:restriction base="xsd:string">
    <xsd:minLength value="0"/>
   </xsd:restriction>
  </xsd:simpleType>

  <xsd:simpleType name="LampBrightness">
   <xsd:restriction base="xsd:string">
```

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```
    <xsd:enumeration value="unspecified"/>
    <xsd:enumeration value="dim"/>
    <xsd:enumeration value="bright"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="LampColor">
  <xsd:annotation>
    <xsd:documentation>named values are represented as integer</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:short">
    <xsd:minInclusive value="0"/>
    <xsd:maxInclusive value="100"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="LampID">
  <xsd:restriction base="xsd:string">
    <xsd:minLength value="0"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="LampMode">
  <xsd:annotation>
    <xsd:documentation>named values are represented as integer</xsd:documentation>
  </xsd:annotation>
  <xsd:restriction base="xsd:short">
    <xsd:minInclusive value="0"/>
    <xsd:maxInclusive value="100"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="MicrophoneGain">
  <xsd:choice>
    <xsd:element name="micGainAbs" type="csta:MicGainAbs"/>
    <xsd:element name="micGainInc" type="csta:MicGainInc"/>
  </xsd:choice>
</xsd:complexType>

<xsd:simpleType name="MicGainInc">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="increment"/>
    <xsd:enumeration value="decrement"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="MicGainAbs">
  <xsd:restriction base="xsd:short">
    <xsd:minInclusive value="0"/>
    <xsd:maxInclusive value="100"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="RingerID">
  <xsd:restriction base="xsd:string">
    <xsd:minLength value="0"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="RingMode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="ringing"/>
    <xsd:enumeration value="notRinging"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="Volume">
  <xsd:choice>
```

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```
    <xsd:element name="volAbs" type="csta:VolAbs"/>
    <xsd:element name="volInc" type="csta:VolInc"/>
   </xsd:choice>
  </xsd:complexType>

  <xsd:simpleType name="VolInc">
   <xsd:restriction base="xsd:string">
    <xsd:enumeration value="increment"/>
    <xsd:enumeration value="decrement"/>
   </xsd:restriction>
  </xsd:simpleType>

  <xsd:simpleType name="VolAbs">
   <xsd:restriction base="xsd:short">
    <xsd:minInclusive value="0"/>
    <xsd:maxInclusive value="100"/>
   </xsd:restriction>
  </xsd:simpleType>

</xsd:schema>
```

9.17 Data Collection

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
 elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
   <xsd:documentation>CSTA-data-collection</xsd:documentation>
  </xsd:annotation>

  <xsd:simpleType name="DcollCrossRefID">
   <xsd:restriction base="xsd:string">
    <xsd:minLength value="0"/>
   </xsd:restriction>
  </xsd:simpleType>

  <xsd:element name="dcollCrossRefID" type="csta:DcollCrossRefID"/>

</xsd:schema>
```

9.18 Event Cause

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
   <xsd:documentation>CSTA-event-cause</xsd:documentation>
  </xsd:annotation>

  <xsd:simpleType name="EventCause">
   <xsd:restriction base="xsd:string">
    <xsd:enumeration value="aCDBusy"/>
    <xsd:enumeration value="aCDForward"/>
    <xsd:enumeration value="aCDSaturated"/>
    <xsd:enumeration value="activation"/>
    <xsd:enumeration value="activeParticipation"/>
    <xsd:enumeration value="alertTimeExpired"/>
    <xsd:enumeration value="alternate"/>
```

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```
<xsd:enumeration value="autoWork"/>
<xsd:enumeration value="babble"/>
<xsd:enumeration value="badAttribute"/>
<xsd:enumeration value="badGrammar"/>
<xsd:enumeration value="badURI"/>
<xsd:enumeration value="badVoice"/>
<xsd:enumeration value="blocked"/>
<xsd:enumeration value="busy"/>
<xsd:enumeration value="busyOverflow"/>
<xsd:enumeration value="calendarOverflow"/>
<xsd:enumeration value="callBack"/>
<xsd:enumeration value="callCancelled"/>
<xsd:enumeration value="callForward"/>
<xsd:enumeration value="callForwardImmediate"/>
<xsd:enumeration value="callForwardBusy"/>
<xsd:enumeration value="callForwardNoAnswer"/>
<xsd:enumeration value="callNotAnswered"/>
<xsd:enumeration value="callPickup"/>
<xsd:enumeration value="campOn"/>
<xsd:enumeration value="campOnTrunks"/>
<xsd:enumeration value="capacityOverflow"/>
<xsd:enumeration value="characterCountReached"/>
<xsd:enumeration value="conference"/>
<xsd:enumeration value="consultation"/>
<xsd:enumeration value="destDetected"/>
<xsd:enumeration value="destNotObtainable"/>
<xsd:enumeration value="destOutOfOrder"/>
<xsd:enumeration value="distributed"/>
<xsd:enumeration value="distributionDelay"/>
<xsd:enumeration value="doNotDisturb"/>
<xsd:enumeration value="dTMFDigitDetected"/>
<xsd:enumeration value="duplicateDTMF"/>
<xsd:enumeration value="durationExceeded"/>
<xsd:enumeration value="earlyStop"/>
<xsd:enumeration value="emptyQueue"/>
<xsd:enumeration value="endOfMessageDetected"/>
<xsd:enumeration value="enteringDistribution"/>
<xsd:enumeration value="forcedPause"/>
<xsd:enumeration value="forcedTransition"/>
<xsd:enumeration value="incompatibleDestination"/>
<xsd:enumeration value="interdigitTimeout"/>
<xsd:enumeration value="intrude"/>
<xsd:enumeration value="invalidAccountCode"/>
<xsd:enumeration value="invalidConnection"/>
<xsd:enumeration value="invalidConnectionState"/>
<xsd:enumeration value="invalidNumberFormat"/>
<xsd:enumeration value="joinCall"/>
<xsd:enumeration value="keyOperation"/>
<xsd:enumeration value="keyOperationInUse"/>
<xsd:enumeration value="lockout"/>
<xsd:enumeration value="maintenance"/>
<xsd:enumeration value="makeCall"/>
<xsd:enumeration value="makePredictiveCall"/>
<xsd:enumeration value="maxTimeout"/>
<xsd:enumeration value="messageDurationExceeded"/>
<xsd:enumeration value="messageSizeExceeded"/>
<xsd:enumeration value="multipleAlerting"/>
<xsd:enumeration value="multipleQueuing"/>
<xsd:enumeration value="networkCongestion"/>
<xsd:enumeration value="networkDialling"/>
<xsd:enumeration value="networkNotObtainable"/>
<xsd:enumeration value="networkOutOfOrder"/>
<xsd:enumeration value="networkSignal"/>
<xsd:enumeration value="newCall"/>
<xsd:enumeration value="nextMessage"/>
<xsd:enumeration value="noAvailableAgents"/>
<xsd:enumeration value="normal"/>
<xsd:enumeration value="normalClearing"/>
```

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```
    <xsd:enumeration value="noAudioSaved"/>
    <xsd:enumeration value="noQueue"/>
    <xsd:enumeration value="noRule"/>
    <xsd:enumeration value="noSpeechDetected"/>
    <xsd:enumeration value="notAvailableBearerService"/>
    <xsd:enumeration value="notSupportedBearerService"/>
    <xsd:enumeration value="numberChanged"/>
    <xsd:enumeration value="numberUnallocated"/>
    <xsd:enumeration value="outOfGrammar"/>
    <xsd:enumeration value="overflow"/>
    <xsd:enumeration value="override"/>
    <xsd:enumeration value="park"/>
    <xsd:enumeration value="pathReplacement"/>
    <xsd:enumeration value="queueCleared"/>
    <xsd:enumeration value="queueTimeOverflow"/>
    <xsd:enumeration value="recall"/>
    <xsd:enumeration value="recallBusy"/>
    <xsd:enumeration value="recallForwarded"/>
    <xsd:enumeration value="recallNoAnswer"/>
    <xsd:enumeration value="recallResourcesNotAvailable"/>
    <xsd:enumeration value="redirected"/>
    <xsd:enumeration value="remainsInQueue"/>
    <xsd:enumeration value="reorderTone"/>
    <xsd:enumeration value="reserved"/>
    <xsd:enumeration value="resourcesNotAvailable"/>
    <xsd:enumeration value="selectedTrunkBusy"/>
    <xsd:enumeration value="silentParticipation"/>
    <xsd:enumeration value="singleStepConference"/>
    <xsd:enumeration value="singleStepTransfer"/>
    <xsd:enumeration value="speechDetected"/>
    <xsd:enumeration value="suspend"/>
    <xsd:enumeration value="switchingFunctionTerminated"/>
    <xsd:enumeration value="terminationCharacterReceived"/>
    <xsd:enumeration value="timeout"/>
    <xsd:enumeration value="transfer"/>
    <xsd:enumeration value="trunksBusy"/>
    <xsd:enumeration value="unauthorisedBearerService"/>
    <xsd:enumeration value="unknownOverflow"/>
  </xsd:restriction>
 </xsd:simpleType>

 <xsd:element name="cause" type="csta:EventCause"/>
</xsd:schema>
```

9.19 Error Value

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-error-definition</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="empty.xsd"/>

 <xsd:simpleType name="OperationErrors">
  <xsd:restriction base="xsd:string">
   <xsd:enumeration value="generic"/>
   <xsd:enumeration value="atLeastOneConditionalParameterNotProvided"/>
   <xsd:enumeration value="featureAlreadySet"/>
   <xsd:enumeration value="invalidMsgID"/>
   <xsd:enumeration value="invalidParameterValue"/>
   <xsd:enumeration value="invalidAccountCode"/>
```

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```
<xsd:enumeration value="invalidAgentGroup"/>
<xsd:enumeration value="invalidAgentIdentifier"/>
<xsd:enumeration value="invalidAgentPassword"/>
<xsd:enumeration value="invalidAgentState"/>
<xsd:enumeration value="invalidAlertTime"/>
<xsd:enumeration value="invalidAllocationState"/>
<xsd:enumeration value="invalidAuthCode"/>
<xsd:enumeration value="invalidAutoAnswer"/>
<xsd:enumeration value="invalidBitRate"/>
<xsd:enumeration value="invalidButtonIdentifier"/>
<xsd:enumeration value="invalidCallType"/>
<xsd:enumeration value="invalidConnectionRate"/>
<xsd:enumeration value="invalidConsultPurpose"/>
<xsd:enumeration value="invalidCorrelatorData"/>
<xsd:enumeration value="invalidCrossRefID"/>
<xsd:enumeration value="invalidDelayTolerance"/>
<xsd:enumeration value="invalidDestination"/>
<xsd:enumeration value="invalidDestinationDetect"/>
<xsd:enumeration value="invalidDoNotDisturb"/>
<xsd:enumeration value="invalidEscapeCrossRefID"/>
<xsd:enumeration value="invalidFeature"/>
<xsd:enumeration value="invalidFile"/>
<xsd:enumeration value="invalidFlowDirection"/>
<xsd:enumeration value="invalidForwardingDestination"/>
<xsd:enumeration value="invalidForwardingFlag"/>
<xsd:enumeration value="invalidForwardingType"/>
<xsd:enumeration value="invalidHookswitchType"/>
<xsd:enumeration value="invalidHookswitchComponent"/>
<xsd:enumeration value="invalidLampMode"/>
<xsd:enumeration value="invalidLampID"/>
<xsd:enumeration value="invalidMessageWaitingSetting"/>
<xsd:enumeration value="invalidMicrophoneGain"/>
<xsd:enumeration value="invalidMicrophoneMute"/>
<xsd:enumeration value="invalidMonitorCrossRefID"/>
<xsd:enumeration value="invalidMonitorFilter"/>
<xsd:enumeration value="invalidMonitorObject"/>
<xsd:enumeration value="invalidMonitorType"/>
<xsd:enumeration value="invalidNumberOFChannels"/>
<xsd:enumeration value="invalidParticipationType"/>
<xsd:enumeration value="invalidRemainRetry"/>
<xsd:enumeration value="invalidRingCount"/>
<xsd:enumeration value="invalidRingPattern"/>
<xsd:enumeration value="invalidRingVolume"/>
<xsd:enumeration value="invalidRouteingAlgorithm"/>
<xsd:enumeration value="invalidRouteingCrossRefID"/>
<xsd:enumeration value="invalidRouteRegistrationCrossRefID"/>
<xsd:enumeration value="invalidSpeakerVolume"/>
<xsd:enumeration value="invalidSpeakerMute"/>
<xsd:enumeration value="invalidSwitchingSubdomainCharsType"/>
<xsd:enumeration value="invalidObjectType"/>
<xsd:enumeration value="invalidActiveCallObject"/>
<xsd:enumeration value="invalidCalledDeviceObjectType"/>
<xsd:enumeration value="invalidCallingDeviceObjectType"/>
<xsd:enumeration value="invalidCallToBePickedUpObjectType"/>
<xsd:enumeration value="invalidCallToDivertObjectType"/>
<xsd:enumeration value="invalidCallToParkObjectType"/>
<xsd:enumeration value="invalidDestinationDeviceObject"/>
<xsd:enumeration value="invalidHeldCallObject"/>
<xsd:enumeration value="invalidMonitorObjectType"/>
<xsd:enumeration value="invalidParkToObjectType"/>
<xsd:enumeration value="messageIDRequired"/>
<xsd:enumeration value="notDifferentDevices"/>
<xsd:enumeration value="notSameDevice"/>
<xsd:enumeration value="objectNotKnown"/>
<xsd:enumeration value="invalidCallID"/>
<xsd:enumeration value="invalidActiveCallID"/>
<xsd:enumeration value="invalidHeldCallID"/>
<xsd:enumeration value="invalidConnectionID"/>
```

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```
<xsd:enumeration value="invalidActiveConnectionID"/>
<xsd:enumeration value="invalidHeldConnectionID"/>
<xsd:enumeration value="invalidDeviceID"/>
<xsd:enumeration value="invalidActiveDeviceID"/>
<xsd:enumeration value="invalidCalledDeviceID"/>
<xsd:enumeration value="invalidCallingDeviceID"/>
<xsd:enumeration value="invalidCallToParkDeviceID"/>
<xsd:enumeration value="invalidDestinationDeviceID"/>
<xsd:enumeration value="invalidDivertingDeviceID"/>
<xsd:enumeration value="invalidHeldDeviceID"/>
<xsd:enumeration value="invalidParkToDeviceID"/>
<xsd:enumeration value="invalidPickUpDeviceID"/>
<xsd:enumeration value="parameterNotSupported"/>
<xsd:enumeration value="accountCodeNotSupported"/>
<xsd:enumeration value="agentGroupNotSupported"/>
<xsd:enumeration value="agentPasswordNotSupported"/>
<xsd:enumeration value="agentStateNotSupported"/>
<xsd:enumeration value="alertTimeNotSupported"/>
<xsd:enumeration value="allocationNotSupported"/>
<xsd:enumeration value="authorisationCodeNotSupported"/>
<xsd:enumeration value="autoAnswerNotSupported"/>
<xsd:enumeration value="bitRateNotSupported"/>
<xsd:enumeration value="buttonNotSupported"/>
<xsd:enumeration value="callTypeNotSupported"/>
<xsd:enumeration value="charactersToSendNotSupported"/>
<xsd:enumeration value="connectionRateNotSupported"/>
<xsd:enumeration value="connectionReservationNotSupported"/>
<xsd:enumeration value="consultPurposeNotSupported"/>
<xsd:enumeration value="correlatorDataNotSupported"/>
<xsd:enumeration value="delayToleranceNotSupported"/>
<xsd:enumeration value="destinationDetectNotSupported"/>
<xsd:enumeration value="digitModeNotSupported"/>
<xsd:enumeration value="errorValueNotSupported"/>
<xsd:enumeration value="flowDirectionNotSupported"/>
<xsd:enumeration value="forwardingDestinationNotSupported"/>
<xsd:enumeration value="lampNotSupported"/>
<xsd:enumeration value="monitorTypeNotSupported"/>
<xsd:enumeration value="numberOfChannelsNotSupported"/>
<xsd:enumeration value="parameterTypeNotSupported"/>
<xsd:enumeration value="priorityNotSupported"/>
<xsd:enumeration value="privateDataNotSupported"/>
<xsd:enumeration value="pulseDurationNotSupported"/>
<xsd:enumeration value="pulseRateNotSupported"/>
<xsd:enumeration value="remainRetryNotSupported"/>
<xsd:enumeration value="ringCountNotSupported"/>
<xsd:enumeration value="routeUsedNotSupported"/>
<xsd:enumeration value="securityNotSupported"/>
<xsd:enumeration value="swSubdomainCCIETypeNotSupported"/>
<xsd:enumeration value="toneDurationNotSupported"/>
<xsd:enumeration value="sysStatRegIDNotSupported"/>
<xsd:enumeration value="userDataNotSupported"/>
<xsd:enumeration value="privilegeViolationSpecifiedDevice"/>
<xsd:enumeration value="privilegeViolationActiveDevice"/>
<xsd:enumeration value="privilegeViolationCalledDevice"/>
<xsd:enumeration value="privilegeViolationCallingDevice"/>
<xsd:enumeration value="privilegeViolationCallToParkDevice"/>
<xsd:enumeration value="privilegeViolationDestinationDevice"/>
<xsd:enumeration value="privilegeViolationOnDivertingDevice"/>
<xsd:enumeration value="privilegeViolationHeldDevice"/>
<xsd:enumeration value="privilegeViolationOnParkToDevice"/>
<xsd:enumeration value="privilegeViolationPickUpDevice"/>
<xsd:enumeration value="routeingTimerExpired"/>
<xsd:enumeration value="requestIncompatibleWithObject"/>
<xsd:enumeration value="requestIncompatibleWithConnection"/>
<xsd:enumeration value="requestIncompatibleWithActiveConnection"/>
<xsd:enumeration value="requestIncompatibleWithHeldConnection"/>
<xsd:enumeration value="requestIncompatibleWithDevice"/>
<xsd:enumeration value="requestIncompatibleWithCalledDevice"/>
```

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```
    <xsd:enumeration value="requestIncompatibleWithCallingDevice"/>
    <xsd:enumeration value="requestIncompatibleWithSubjectDevice"/>
    <xsd:enumeration value="requestIncompatibleWithActiveDevice"/>
    <xsd:enumeration value="requestIncompatibleWithCallToParkDevice"/>
    <xsd:enumeration value="requestIncompatibleWithDestinationDevice"/>
    <xsd:enumeration value="requestIncompatibleWithDivertingDevice"/>
    <xsd:enumeration value="requestIncompatibleWithHeldDevice"/>
    <xsd:enumeration value="requestIncompatibleWithMedia"/>
    <xsd:enumeration value="requestIncompatibleWithParkToDevice"/>
    <xsd:enumeration value="requestIncompatibleWithPickupDevice"/>
    <xsd:enumeration value="serviceNotSupported"/>
    <xsd:enumeration value="securityViolation"/>
    <xsd:enumeration value="valueOutOfRange"/>
    <xsd:enumeration value="agentStateOutOfRange"/>
    <xsd:enumeration value="alertTimeOutOfRange"/>
    <xsd:enumeration value="allocationOutOfRange"/>
    <xsd:enumeration value="autoAnswerOutOfRange"/>
    <xsd:enumeration value="bitRateOutOfRange"/>
    <xsd:enumeration value="callTypeOutOfRange"/>
    <xsd:enumeration value="connectionRateOutOfRange"/>
    <xsd:enumeration value="connectionReservoationOutOfRange"/>
    <xsd:enumeration value="consultPurposeOutOfRange"/>
    <xsd:enumeration value="correlatorDataOutOfRange"/>
    <xsd:enumeration value="delayToleranceOutOfRange"/>
    <xsd:enumeration value="destinationDetectOutOfRange"/>
    <xsd:enumeration value="digitModeOutOfRange"/>
    <xsd:enumeration value="doNotDisturbOutOfRange"/>
    <xsd:enumeration value="flowDirectionOutOfRange"/>
    <xsd:enumeration value="forwardingFlagOutOfRange"/>
    <xsd:enumeration value="forwardingTypeOutOfRange"/>
    <xsd:enumeration value="hookswitchComponentOutOfRange"/>
    <xsd:enumeration value="hookswitchTypeOutOfRange"/>
    <xsd:enumeration value="lampModeOutOfRange"/>
    <xsd:enumeration value="messageWaitingSettingOutOfRange"/>
    <xsd:enumeration value="micGainOutOfRange"/>
    <xsd:enumeration value="micMuteOutOfRange"/>
    <xsd:enumeration value="monitorTypeOutOfRange"/>
    <xsd:enumeration value="numberOfChannelsOutOfRange"/>
    <xsd:enumeration value="participationTypeOutOfRange"/>
    <xsd:enumeration value="pulseDurationOutOfRange"/>
    <xsd:enumeration value="pulseRateOutOfRange"/>
    <xsd:enumeration value="ringCountOutOfRange"/>
    <xsd:enumeration value="ringPatternOutOfRange"/>
    <xsd:enumeration value="ringVolumnOutOfRange"/>
    <xsd:enumeration value="routeingAlgorithmOutOfRange"/>
    <xsd:enumeration value="speakerMuteOutOfRange"/>
    <xsd:enumeration value="speakerVolumeOutOfRange"/>
    <xsd:enumeration value="switchingCcittTypeOutOfRange"/>
    <xsd:enumeration value="systemStatusOutOfRange"/>
    <xsd:enumeration value="toneCharacterOutOfRange"/>
    <xsd:enumeration value="toneDurationOutOfRange"/>
   </xsd:restriction>
  </xsd:simpleType>

  <xsd:simpleType name="SecurityErrors">
   <xsd:restriction base="xsd:string">
    <xsd:enumeration value="generic"/>
    <xsd:enumeration value="sequenceNumberViolated"/>
    <xsd:enumeration value="timeStampViolated"/>
    <xsd:enumeration value="securityInfoViolated"/>
   </xsd:restriction>
  </xsd:simpleType>

  <xsd:simpleType name="StateIncompatibilityErrors">
   <xsd:restriction base="xsd:string">
    <xsd:enumeration value="generic"/>
    <xsd:enumeration value="invalidObjectState"/>
    <xsd:enumeration value="invalidDeviceState"/>
```

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```
    <xsd:enumeration value="connectedCallExists"/>
    <xsd:enumeration value="invalidActiveDeviceState"/>
    <xsd:enumeration value="invalidCalledDeviceState"/>
    <xsd:enumeration value="invalidCallingDeviceState"/>
    <xsd:enumeration value="invalidCallToParkDeviceState"/>
    <xsd:enumeration value="invalidDestinationDeviceState"/>
    <xsd:enumeration value="invalidDivertingDeviceState"/>
    <xsd:enumeration value="invalidHeldDeviceState"/>
    <xsd:enumeration value="invalidParkToDeviceState"/>
    <xsd:enumeration value="invalidConnectionState"/>
    <xsd:enumeration value="invalidActiveConnectionState"/>
    <xsd:enumeration value="invalidConnectionIDForActiveCall"/>
    <xsd:enumeration value="invalidHeldConnectionState"/>
    <xsd:enumeration value="noActiveCall"/>
    <xsd:enumeration value="noCallToAnswer"/>
    <xsd:enumeration value="noCallToClear"/>
    <xsd:enumeration value="noCallToComplete"/>
    <xsd:enumeration value="noConnectionToClear"/>
    <xsd:enumeration value="noHeldCall"/>
    <xsd:enumeration value="incorrectMsgState"/>
    <xsd:enumeration value="beginningOfMsg"/>
    <xsd:enumeration value="endOfMsg"/>
    <xsd:enumeration value="msgSuspended"/>
    <xsd:enumeration value="notAbleToPlay"/>
    <xsd:enumeration value="notAbleToResume"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="SystemResourceAvailabilityErrors">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="generic"/>
    <xsd:enumeration value="resourceBusy"/>
    <xsd:enumeration value="internalResourceBusy"/>
    <xsd:enumeration value="classifierBusy"/>
    <xsd:enumeration value="noMediaChannelsAvailable"/>
    <xsd:enumeration value="channelsInUseForBridgedDevices"/>
    <xsd:enumeration value="channelsInUseForData"/>
    <xsd:enumeration value="toneDetectorBusy"/>
    <xsd:enumeration value="toneGeneratorBusy"/>
    <xsd:enumeration value="networkBusy"/>
    <xsd:enumeration value="resourceOutOfService"/>
    <xsd:enumeration value="deviceOutOfService"/>
    <xsd:enumeration value="activeDeviceOutOfService"/>
    <xsd:enumeration value="calledDeviceOutOfService"/>
    <xsd:enumeration value="callingDeviceOutOfService"/>
    <xsd:enumeration value="callToParkDeviceOutOfService"/>
    <xsd:enumeration value="destinationDeviceOutOfService"/>
    <xsd:enumeration value="divertingDeviceOutOfService"/>
    <xsd:enumeration value="heldDeviceOutOfService"/>
    <xsd:enumeration value="parkToDeviceOutOfService"/>
    <xsd:enumeration value="pickupDeviceOutOfService"/>
    <xsd:enumeration value="networkOutOfService"/>
    <xsd:enumeration value="otherResourceOutOfService"/>
    <xsd:enumeration value="resourceLimitExceeded"/>
    <xsd:enumeration value="overallMonitorLimitExceeded"/>
    <xsd:enumeration value="conferenceMemberLimitExceeded"/>
    <xsd:enumeration value="registrationLimitExceeded"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="SubscribedResourceAvailabilityErrors">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="generic"/>
    <xsd:enumeration value="objectMonitorLimitExceeded"/>
    <xsd:enumeration value="trunkLimitExceeded"/>
    <xsd:enumeration value="outstandingReqLimitExceeded"/>
    <xsd:enumeration value="objectRegistrationLimitExceeded"/>
  </xsd:restriction>
```

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```
</xsd:simpleType>

<xsd:simpleType name="PerformanceManagementErrors">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="generic"/>
    <xsd:enumeration value="performanceLimitExceeded"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="PrivateDataInfoErrors">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="cSTAPrivateDataInfoError"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:element name="CSTAErrorCode" type="csta:UniversalFailure"/>
<xsd:complexType name="UniversalFailure">
  <xsd:choice>
    <xsd:element name="operation" type="csta:OperationErrors"/>
    <xsd:element name="security" type="csta:SecurityErrors"/>
    <xsd:element name="stateIncompatibility" type="csta:StateIncompatibilityErrors"/>
    <xsd:element name="systemResourceAvailibility"
    type="csta:SystemResourceAvailabilityErrors"/>
    <xsd:element name="subscribedResourceAvailability"
    type="csta:SubscribedResourceAvailabilityErrors"/>
    <xsd:element name="performanceManagement" type="csta:PerformanceManagementErrors"/>
    <xsd:element name="privateData" type="csta:PrivateDataInfoErrors"/>
    <xsd:element name="privateErrorCode" type="xsd:string"/>
    <xsd:element name="unspecified" type="csta:Empty"/>
  </xsd:choice>
</xsd:complexType>

<xsd:complexType name="ErrorValue">
  <xsd:complexContent>
    <xsd:extension base="csta:UniversalFailure"/>
  </xsd:complexContent>
</xsd:complexType>

<xsd:element name="ErrorValue" type="csta:ErrorValue"/>
</xsd:schema>
```

9.20 Empty (null element)

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>replacement for ASN.1 NULL type and helper type for representation of the ASN.1 BIT STRING type</
xsd:documentation>
  </xsd:annotation>

  <xsd:complexType name="Empty"/>

</xsd:schema>
```

10 Top level schema

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
```

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```
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">
  <xsd:import namespace="http://schemas.xmlsoap.org/soap/envelope/"/>

  <xsd:annotation>
    <xsd:documentation>csta</xsd:documentation>
  </xsd:annotation>

  <xsd:annotation>
    <xsd:documentation>Capability Exchange Services</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="get-csta-features.xsd"/>
  <xsd:include schemaLocation="get-logical-device-information.xsd"/>
  <xsd:include schemaLocation="get-physical-device-information.xsd"/>
  <xsd:include schemaLocation="get-switching-function-capabilities.xsd"/>
  <xsd:include schemaLocation="get-switching-function-devices.xsd"/>
  <xsd:include schemaLocation="switching-function-devices.xsd"/>

  <xsd:annotation>
    <xsd:documentation>System Services</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="change-system-status-filter.xsd"/>
  <xsd:include schemaLocation="system-register.xsd"/>
  <xsd:include schemaLocation="system-register-abort.xsd"/>
  <xsd:include schemaLocation="system-register-cancel.xsd"/>
  <xsd:include schemaLocation="request-system-status.xsd"/>
  <xsd:include schemaLocation="system-status.xsd"/>
  <xsd:include schemaLocation="switching-functions-capabilities-changed.xsd"/>
  <xsd:include schemaLocation="switching-functions-devices-changed.xsd"/>

  <xsd:annotation>
    <xsd:documentation>Monitoring Services</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="change-monitor-filter.xsd"/>
  <xsd:include schemaLocation="monitor-start.xsd"/>
  <xsd:include schemaLocation="monitor-stop.xsd"/>

  <xsd:annotation>
    <xsd:documentation>Snapshot  Services</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="snapshot-call.xsd"/>
  <xsd:include schemaLocation="snapshot-device.xsd"/>
  <xsd:include schemaLocation="snapshot-call-data.xsd"/>
  <xsd:include schemaLocation="snapshot-device-data.xsd"/>

  <xsd:annotation>
    <xsd:documentation>Call Control Services</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="accept-call.xsd"/>
  <xsd:include schemaLocation="alternate-call.xsd"/>
  <xsd:include schemaLocation="answer-call.xsd"/>
  <xsd:include schemaLocation="call-back-call-related.xsd"/>
  <xsd:include schemaLocation="call-back-message-call-related.xsd"/>
  <xsd:include schemaLocation="camp-on-call.xsd"/>
  <xsd:include schemaLocation="clear-call.xsd"/>
  <xsd:include schemaLocation="clear-connection.xsd"/>
  <xsd:include schemaLocation="conference-call.xsd"/>
  <xsd:include schemaLocation="consultation-call.xsd"/>
  <xsd:include schemaLocation="deflect-call.xsd"/>
  <xsd:include schemaLocation="dial-digits.xsd"/>
  <xsd:include schemaLocation="directed-pickup-call.xsd"/>
  <xsd:include schemaLocation="group-pickup-call.xsd"/>
  <xsd:include schemaLocation="hold-call.xsd"/>
```

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```
<xsd:include schemaLocation="intrude-call.xsd"/>
<xsd:include schemaLocation="join-call.xsd"/>
<xsd:include schemaLocation="make-call.xsd"/>
<xsd:include schemaLocation="make-predictive-call.xsd"/>
<xsd:include schemaLocation="park-call.xsd"/>
<xsd:include schemaLocation="reconnect-call.xsd"/>
<xsd:include schemaLocation="retrieve-call.xsd"/>
<xsd:include schemaLocation="send-message.xsd"/>
<xsd:include schemaLocation="single-step-conference-call.xsd"/>
<xsd:include schemaLocation="single-step-transfer.xsd"/>
<xsd:include schemaLocation="transfer-call.xsd"/>

<xsd:annotation>
  <xsd:documentation>Call Control Events</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="bridged-event.xsd"/>
<xsd:include schemaLocation="call-cleared-event.xsd"/>
<xsd:include schemaLocation="conferenced-event.xsd"/>
<xsd:include schemaLocation="connection-cleared-event.xsd"/>
<xsd:include schemaLocation="delivered-event.xsd"/>
<xsd:include schemaLocation="digits-dialed-event.xsd"/>
<xsd:include schemaLocation="diverted-event.xsd"/>
<xsd:include schemaLocation="failed-event.xsd"/>
<xsd:include schemaLocation="established-event.xsd"/>
<xsd:include schemaLocation="held-event.xsd"/>
<xsd:include schemaLocation="network-capabilities-changed-event.xsd"/>
<xsd:include schemaLocation="network-reached-event.xsd"/>
<xsd:include schemaLocation="offered-event.xsd"/>
<xsd:include schemaLocation="originated-event.xsd"/>
<xsd:include schemaLocation="queued-event.xsd"/>
<xsd:include schemaLocation="retrieved-event.xsd"/>
<xsd:include schemaLocation="service-initiated-event.xsd"/>
<xsd:include schemaLocation="transfered-event.xsd"/>

<xsd:annotation>
  <xsd:documentation>Call Associated Services</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="associate-data.xsd"/>
<xsd:include schemaLocation="cancel-telephony-tones.xsd"/>
<xsd:include schemaLocation="change-connection-information.xsd"/>
<xsd:include schemaLocation="generate-digits.xsd"/>
<xsd:include schemaLocation="generate-telephony-tones.xsd"/>
<xsd:include schemaLocation="send-user-information.xsd"/>

<xsd:annotation>
  <xsd:documentation>Call Associated Events</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="call-information-event.xsd"/>
<xsd:include schemaLocation="charging-event.xsd"/>
<xsd:include schemaLocation="digits-generated-event.xsd"/>
<xsd:include schemaLocation="telephony-tones-generated-event.xsd"/>
<xsd:include schemaLocation="service-completion-failure-event.xsd"/>

<xsd:annotation>
  <xsd:documentation>Media Attachment Services</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="attach-media-service.xsd"/>
<xsd:include schemaLocation="detach-media-service.xsd"/>

<xsd:annotation>
  <xsd:documentation>Media Attachment Events</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="media-attached-event.xsd"/>
```

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```
<xsd:include schemaLocation="media-detached-event.xsd"/>

<xsd:annotation>
  <xsd:documentation>Routeing Services</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="route-register.xsd"/>
<xsd:include schemaLocation="route-register-abort.xsd"/>
<xsd:include schemaLocation="route-register-cancel.xsd"/>
<xsd:include schemaLocation="re-route.xsd"/>
<xsd:include schemaLocation="route-end.xsd"/>
<xsd:include schemaLocation="route-reject.xsd"/>
<xsd:include schemaLocation="route-request.xsd"/>
<xsd:include schemaLocation="route-select.xsd"/>
<xsd:include schemaLocation="route-used.xsd"/>

<xsd:annotation>
  <xsd:documentation>Physical Device Services</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="button-press.xsd"/>
<xsd:include schemaLocation="get-auditory-apparatus-information.xsd"/>
<xsd:include schemaLocation="get-button-information.xsd"/>
<xsd:include schemaLocation="get-display.xsd"/>
<xsd:include schemaLocation="get-hookswitch-status.xsd"/>
<xsd:include schemaLocation="get-lamp-information.xsd"/>
<xsd:include schemaLocation="get-lamp-mode.xsd"/>
<xsd:include schemaLocation="get-message-waiting-indicator.xsd"/>
<xsd:include schemaLocation="get-microphone-gain.xsd"/>
<xsd:include schemaLocation="get-microphone-mute.xsd"/>
<xsd:include schemaLocation="get-ringer-status.xsd"/>
<xsd:include schemaLocation="get-speaker-mute.xsd"/>
<xsd:include schemaLocation="get-speaker-volume.xsd"/>
<xsd:include schemaLocation="set-button-information.xsd"/>
<xsd:include schemaLocation="set-display.xsd"/>
<xsd:include schemaLocation="set-hookswitch-status.xsd"/>
<xsd:include schemaLocation="set-lamp-mode.xsd"/>
<xsd:include schemaLocation="set-message-waiting-indicator.xsd"/>
<xsd:include schemaLocation="set-microphone-gain.xsd"/>
<xsd:include schemaLocation="set-microphone-mute.xsd"/>
<xsd:include schemaLocation="set-ringer-status.xsd"/>
<xsd:include schemaLocation="set-speaker-mute.xsd"/>
<xsd:include schemaLocation="set-speaker-volume.xsd"/>

<xsd:annotation>
  <xsd:documentation>Physical Device Events</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="button-information-event.xsd"/>
<xsd:include schemaLocation="button-press-event.xsd"/>
<xsd:include schemaLocation="display-updated-event.xsd"/>
<xsd:include schemaLocation="hookswitch-event.xsd"/>
<xsd:include schemaLocation="lamp-mode-event.xsd"/>
<xsd:include schemaLocation="message-waiting-event.xsd"/>
<xsd:include schemaLocation="microphone-gain-event.xsd"/>
<xsd:include schemaLocation="microphone-mute-event.xsd"/>
<xsd:include schemaLocation="ringer-status-event.xsd"/>
<xsd:include schemaLocation="speaker-mute-event.xsd"/>
<xsd:include schemaLocation="speaker-volume-event.xsd"/>

<xsd:annotation>
  <xsd:documentation>Logical Device Services</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="call-back-non-call-related.xsd"/>
<xsd:include schemaLocation="call-back-message-non-call-related.xsd"/>
<xsd:include schemaLocation="cancel-call-back.xsd"/>
<xsd:include schemaLocation="cancel-call-back-message.xsd"/>
```

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```
<xsd:include schemaLocation="get-agent-state.xsd"/>
<xsd:include schemaLocation="get-auto-answer.xsd"/>
<xsd:include schemaLocation="get-auto-work-mode.xsd"/>
<xsd:include schemaLocation="get-caller-id-status.xsd"/>
<xsd:include schemaLocation="get-do-not-disturb.xsd"/>
<xsd:include schemaLocation="get-forwarding.xsd"/>
<xsd:include schemaLocation="get-last-number-dialed.xsd"/>
<xsd:include schemaLocation="get-routeing-mode.xsd"/>
<xsd:include schemaLocation="set-agent-state.xsd"/>
<xsd:include schemaLocation="set-auto-answer.xsd"/>
<xsd:include schemaLocation="set-auto-work-mode.xsd"/>
<xsd:include schemaLocation="set-caller-id-status.xsd"/>
<xsd:include schemaLocation="set-do-not-disturb.xsd"/>
<xsd:include schemaLocation="set-forwarding.xsd"/>
<xsd:include schemaLocation="set-routeing-mode.xsd"/>

<xsd:annotation>
  <xsd:documentation>Logical Device Events</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="agent-busy-event.xsd"/>
<xsd:include schemaLocation="agent-logged-off-event.xsd"/>
<xsd:include schemaLocation="agent-logged-on-event.xsd"/>
<xsd:include schemaLocation="agent-not-ready-event.xsd"/>
<xsd:include schemaLocation="agent-ready-event.xsd"/>
<xsd:include schemaLocation="agent-working-after-call-event.xsd"/>
<xsd:include schemaLocation="auto-answer-event.xsd"/>
<xsd:include schemaLocation="auto-work-mode-event.xsd"/>
<xsd:include schemaLocation="call-back-event.xsd"/>
<xsd:include schemaLocation="call-back-message-event.xsd"/>
<xsd:include schemaLocation="caller-id-status-event.xsd"/>
<xsd:include schemaLocation="do-not-disturb-event.xsd"/>
<xsd:include schemaLocation="forwarding-event.xsd"/>
<xsd:include schemaLocation="routeing-event.xsd"/>

<xsd:annotation>
  <xsd:documentation>Device Maintenance Events</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="back-in-service-event.xsd"/>
<xsd:include schemaLocation="device-capabilities-changed-event.xsd"/>
<xsd:include schemaLocation="out-of-service-event.xsd"/>
<xsd:include schemaLocation="partially-in-service-event.xsd"/>

<xsd:annotation>
  <xsd:documentation>I/O Services</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="io-register.xsd"/>
<xsd:include schemaLocation="io-register-abort.xsd"/>
<xsd:include schemaLocation="io-register-cancel.xsd"/>
<xsd:include schemaLocation="data-path-resumed.xsd"/>
<xsd:include schemaLocation="data-path-suspended.xsd"/>
<xsd:include schemaLocation="fast-data.xsd"/>
<xsd:include schemaLocation="resume-data-path.xsd"/>
<xsd:include schemaLocation="send-broadcast-data.xsd"/>
<xsd:include schemaLocation="send-data.xsd"/>
<xsd:include schemaLocation="send-multicast-data.xsd"/>
<xsd:include schemaLocation="start-data-path.xsd"/>
<xsd:include schemaLocation="stop-data-path.xsd"/>
<xsd:include schemaLocation="suspend-data-path.xsd"/>

<xsd:annotation>
  <xsd:documentation>Data Collection Services</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="data-collected.xsd"/>
<xsd:include schemaLocation="data-collection-resumed.xsd"/>
```

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```
<xsd:include schemaLocation="data-collection-suspended.xsd"/>
<xsd:include schemaLocation="resume-data-collection.xsd"/>
<xsd:include schemaLocation="start-data-collection.xsd"/>
<xsd:include schemaLocation="stop-data-collection.xsd"/>
<xsd:include schemaLocation="suspend-data-collection.xsd"/>

<xsd:annotation>
  <xsd:documentation>Voice Services</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="activate.xsd"/>
<xsd:include schemaLocation="clear.xsd"/>
<xsd:include schemaLocation="concatenate-message.xsd"/>
<xsd:include schemaLocation="deactivate.xsd"/>
<xsd:include schemaLocation="delete-message.xsd"/>
<xsd:include schemaLocation="play-message.xsd"/>
<xsd:include schemaLocation="query-voice-attribute.xsd"/>
<xsd:include schemaLocation="queue-service.xsd"/>
<xsd:include schemaLocation="record-message.xsd"/>
<xsd:include schemaLocation="reposition.xsd"/>
<xsd:include schemaLocation="resume.xsd"/>
<xsd:include schemaLocation="review.xsd"/>
<xsd:include schemaLocation="set-voice-attribute.xsd"/>
<xsd:include schemaLocation="start.xsd"/>
<xsd:include schemaLocation="stop.xsd"/>
<xsd:include schemaLocation="suspend.xsd"/>
<xsd:include schemaLocation="synthesize-message.xsd"/>

<xsd:annotation>
  <xsd:documentation>Voice Events</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="bookmark-reached-event.xsd"/>
<xsd:include schemaLocation="completed-event.xsd"/>
<xsd:include schemaLocation="dtmf-detected-event.xsd"/>
<xsd:include schemaLocation="emptied-event.xsd"/>
<xsd:include schemaLocation="interruption-detected-event.xsd"/>
<xsd:include schemaLocation="not-recognized-event.xsd"/>
<xsd:include schemaLocation="play-event.xsd"/>
<xsd:include schemaLocation="recognized-event.xsd"/>
<xsd:include schemaLocation="record-event.xsd"/>
<xsd:include schemaLocation="review-event.xsd"/>
<xsd:include schemaLocation="silence-timeout-expired-event.xsd"/>
<xsd:include schemaLocation="speech-detected-event.xsd"/>
<xsd:include schemaLocation="started-event.xsd"/>
<xsd:include schemaLocation="stop-event.xsd"/>
<xsd:include schemaLocation="suspend-play-event.xsd"/>
<xsd:include schemaLocation="suspend-record-event.xsd"/>
<xsd:include schemaLocation="voice-attribute-changed-event.xsd"/>
<xsd:include schemaLocation="voice-error-occurred-event.xsd"/>

<xsd:annotation>
  <xsd:documentation>Call Detail Record Services</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="call-detail-records-notification.xsd"/>
<xsd:include schemaLocation="call-detail-records-report.xsd"/>
<xsd:include schemaLocation="send-stored-call-detail-records.xsd"/>
<xsd:include schemaLocation="start-call-detail-records-transmission.xsd"/>
<xsd:include schemaLocation="stop-call-detail-records-transmission.xsd"/>

<xsd:annotation>
  <xsd:documentation>Vendor Specific Extensions Services</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="escape-register.xsd"/>
<xsd:include schemaLocation="escape-register-abort.xsd"/>
<xsd:include schemaLocation="escape-register-cancel.xsd"/>
```

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```
 <xsd:include schemaLocation="escape.xsd"/>
 <xsd:include schemaLocation="private-data-version-selection.xsd"/>

 <xsd:annotation>
  <xsd:documentation>Vendor Specific Extensions Events</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="private-event.xsd"/>

</xsd:schema>
```

11 Capability exchange services

11.1 Services

11.1.1 Get csta features

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-csta-features</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="capability-exchange.xsd"/>

 <xsd:element name="GetCSTAFeatures">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetCSTAFeaturesResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="supportedServices">
     <xsd:complexType>
      <xsd:sequence>
       <xsd:element name="capExchangeServList" type="csta:CapExchangeServList" minOccurs="0"/>
       <xsd:element name="systemStatServList" type="csta:SystemStatusServList" minOccurs="0"/>
       <xsd:element name="monitoringServList" type="csta:MonitoringServList" minOccurs="0"/>
       <xsd:element name="snapshotServList" type="csta:SnapshotServList" minOccurs="0"/>
       <xsd:element name="callControlServList" type="csta:CallControlServList" minOccurs="0"/>
       <xsd:element name="callAssociatedServList" type="csta:CallAssociatedServList"
                    minOccurs="0"/>
       <xsd:element name="mediaServList" type="csta:MediaServList" minOccurs="0"/>
       <xsd:element name="routeingServList" type="csta:RouteingServList" minOccurs="0"/>
       <xsd:element name="physDevServList" type="csta:PhysDevServList" minOccurs="0"/>
       <xsd:element name="logicalServList" type="csta:LogicalServList" minOccurs="0"/>
       <xsd:element name="iOServicesServList" type="csta:IOServicesServList" minOccurs="0"/>
       <xsd:element name="dataCollectionServList" type="csta:DataCollectionServList"
                    minOccurs="0"/>
       <xsd:element name="voiceUnitServList" type="csta:VoiceUnitServList" minOccurs="0"/>
       <xsd:element name="cDRServList" type="csta:CDRServList" minOccurs="0"/>
       <xsd:element name="vendorSpecificServList" type="csta:VendorSpecificServList"
                    minOccurs="0"/>
      </xsd:sequence>
```

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```
      </xsd:complexType>
    </xsd:element>
    <xsd:element name="supportedEvents" minOccurs="0">
     <xsd:complexType>
      <xsd:sequence>
       <xsd:element name="callControlEvtsList" type="csta:CallControlEvtsList" minOccurs="0"/>
       <xsd:element name="callAssociatedEvtsList" type="csta:CallAssociatedEvtsList"
                    minOccurs="0"/>
       <xsd:element name="mediaEvtsList" type="csta:MediaEvtsList" minOccurs="0"/>
       <xsd:element name="physDevEvtsList" type="csta:PhysDevEvtsList" minOccurs="0"/>
       <xsd:element name="logicalEvtsList" type="csta:LogicalEvtsList" minOccurs="0"/>
       <xsd:element name="deviceMaintEvtsList" type="csta:DeviceMaintEvtsList" minOccurs="0"/>
       <xsd:element name="voiceUnitEvtsList" type="csta:VoiceUnitEvtsList" minOccurs="0"/>
       <xsd:element name="vendorSpecificEvtsList" type="csta:VendorSpecificEvtsList"
                    minOccurs="0"/>
      </xsd:sequence>
     </xsd:complexType>
    </xsd:element>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>
</xsd:schema>
```

11.1.2 Get logical device information

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-logical-device-information</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="capability-exchange.xsd"/>
 <xsd:include schemaLocation="data-call-types.xsd"/>

 <xsd:element name="GetLogicalDeviceInformation">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetLogicalDeviceInformationResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="deviceCategory" type="csta:DeviceCategory" default="station"
    minOccurs="0"/>
    <xsd:element name="groupDeviceAttributes" type="csta:GroupDeviceAttributes" minOccurs="0"/>
    <xsd:element name="namedDeviceTypes" type="csta:NamedDeviceTypes" minOccurs="0"/>
    <xsd:element name="shortFormDeviceID" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element name="hasPhysicalElement" type="xsd:boolean"/>
    <xsd:element name="acdModels" type="csta:ACDModels"/>
    <xsd:element name="agentLogOnModels" type="csta:AgentLogOnModels" minOccurs="0"/>
    <xsd:element name="appearanceAddressable" type="xsd:boolean"/>
    <xsd:element name="appearanceType" type="csta:AppearanceType"/>
    <xsd:element name="appearanceList" minOccurs="0">
     <xsd:complexType>
```

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```
      <xsd:sequence>
        <xsd:element name="appearance" type="xsd:string" minOccurs="0" maxOccurs="unbounded"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="otherPhysicalDeviceList" minOccurs="0">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="deviceID" type="csta:DeviceID" minOccurs="0"
        maxOccurs="unbounded"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="miscMonitorCaps" type="csta:MiscMonitorCaps" minOccurs="0"/>
  <xsd:element name="associatedGroupList" minOccurs="0">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="deviceID" type="csta:DeviceID" minOccurs="0"
        maxOccurs="unbounded"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
  <xsd:element name="maxCallbacks" type="xsd:long" minOccurs="0"/>
  <xsd:element name="maxAutoAnswerRings" type="xsd:long" minOccurs="0"/>
  <xsd:element name="maxActiveCalls" type="xsd:long" minOccurs="0"/>
  <xsd:element name="maxHeldCalls" type="xsd:long" minOccurs="0"/>
  <xsd:element name="maxFwdSettings" type="xsd:long" minOccurs="0"/>
  <xsd:element name="maxDevicesInConf" type="xsd:long" minOccurs="0"/>
  <xsd:element name="transAndConfSetup" type="csta:TransAndConfSetup" minOccurs="0"/>
  <xsd:element name="deviceOnDeviceMonitorFilter" type="csta:MonitorFilter" minOccurs="0"/>
  <xsd:element name="deviceOnConnectionMonitorFilter" type="csta:MonitorFilter"
  minOccurs="0"/>
  <xsd:element name="callOnDeviceMonitorFilter" type="csta:MonitorFilter" minOccurs="0"/>
  <xsd:element name="callOnConnectionMonitorFilter" type="csta:MonitorFilter" minOccurs="0"/>
  <xsd:element name="mediaClassSupport" type="csta:MonitorMediaClass" minOccurs="0"/>
  <xsd:element name="mediaServiceCapsList" type="csta:MediaServiceCapsList" minOccurs="0"/>
  <xsd:element name="connectionRateList" type="csta:ConnectionRateList" minOccurs="0"/>
  <xsd:element name="delayToleranceList" type="csta:DelayToleranceList" minOccurs="0"/>
  <xsd:element name="numberOfChannels" type="csta:NumberOfChannels" minOccurs="0"/>
  <xsd:element name="maxChannelBind" type="csta:MaxChannelBind" minOccurs="0"/>
  <xsd:element name="routeingServList" type="csta:RouteingServList" minOccurs="0"/>
  <xsd:element name="logDevServList" type="csta:LogDevServList" minOccurs="0"/>
  <xsd:element name="logDevEvtsList" type="csta:LogDevEvtsList" minOccurs="0"/>
  <xsd:element name="deviceMaintEvtsList" type="csta:DeviceMaintEvtsList" minOccurs="0"/>
  <xsd:element ref="csta:extensions" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
</xsd:element>

</xsd:schema>
```

11.1.3 Get physical device information

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-physical-device-information</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
```

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```
<xsd:include schemaLocation="capability-exchange.xsd"/>

<xsd:element name="GetPhysicalDeviceInformation">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="device" type="csta:DeviceID"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:element name="GetPhysicalDeviceInformationResponse">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="deviceCategory" type="csta:DeviceCategory" default="station"/>
   <xsd:element name="groupDeviceAttributes" type="csta:GroupDeviceAttributes" minOccurs="0"/>
   <xsd:element name="namedDeviceTypes" type="csta:NamedDeviceTypes" minOccurs="0"/>
   <xsd:element name="hasLogicalElement" type="xsd:boolean"/>
   <xsd:element name="otherLogicalDeviceList" minOccurs="0">
    <xsd:complexType>
     <xsd:sequence>
      <xsd:element name="deviceID" type="csta:DeviceID" minOccurs="0"
      maxOccurs="unbounded"/>
     </xsd:sequence>
    </xsd:complexType>
   </xsd:element>
   <xsd:element name="deviceModelName" minOccurs="0">
    <xsd:simpleType>
     <xsd:restriction base="xsd:string">
      <xsd:minLength value="0"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
   <xsd:element name="deviceOnDeviceMonitorFilter" type="csta:MonitorFilter" minOccurs="0"/>
   <xsd:element name="deviceOnConnectionMonitorFilter" type="csta:MonitorFilter"
   minOccurs="0"/>
   <xsd:element name="callOnDeviceMonitorFilter" type="csta:MonitorFilter" minOccurs="0"/>
   <xsd:element name="callOnConnectionMonitorFilter" type="csta:MonitorFilter" minOccurs="0"/>
   <xsd:element name="maxDisplays" type="xsd:long" minOccurs="0"/>
   <xsd:element name="maxButtons" type="xsd:long" minOccurs="0"/>
   <xsd:element name="maxLamps" type="xsd:long" minOccurs="0"/>
   <xsd:element name="maxRingPatterns" type="xsd:long" minOccurs="0"/>
   <xsd:element name="physDevServList" type="csta:PhysDevServList" minOccurs="0"/>
   <xsd:element name="physDevEvtsList" type="csta:PhysDevEvtsList" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

11.1.4 Get switching function capabilities

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-switching-function-capabilities</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="security.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
```

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```
<xsd:include schemaLocation="call-control.xsd"/>
<xsd:include schemaLocation="capability-exchange.xsd"/>
<xsd:include schemaLocation="data-call-types.xsd"/>

<xsd:element name="GetSwitchingFunctionCaps">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:element name="GetSwitchingFunctionCapsResponse">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="switchingSubDomainName">
    <xsd:simpleType>
     <xsd:restriction base="xsd:string">
      <xsd:minLength value="0"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
   <xsd:element name="manufacturerName">
    <xsd:simpleType>
     <xsd:restriction base="xsd:string">
      <xsd:minLength value="0"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
   <xsd:element name="profiles" type="csta:Profiles"/>
   <xsd:element name="deviceIDFormat" type="csta:DeviceIDFormat"/>
   <xsd:element name="swDomainFeatures" type="csta:SwDomainFeatures"/>
   <xsd:element name="swAppearanceAddressability" type="csta:SwAppearanceAddressability"/>
   <xsd:element name="swAppearanceTypes" type="csta:SwAppearanceTypes"/>
   <xsd:element name="ignoreUnsupportedParameters" type="csta:IgnoreUnsupportedParameters"/>
   <xsd:element name="callCharacteristicsSupported" type="csta:CallCharacteristics"
   minOccurs="0"/>
   <xsd:element name="mediaClassSupport" type="csta:MonitorMediaClass" minOccurs="0"/>
   <xsd:element name="numberOfChannels" type="csta:NumberOfChannels" minOccurs="0"/>
   <xsd:element name="maxChannelBind" type="csta:MaxChannelBind" minOccurs="0"/>
   <xsd:element name="miscMediaCallCharacteristics" type="csta:MiscMediaCallCharacteristics"
   minOccurs="0"/>
   <xsd:element name="connectionRateList" type="csta:ConnectionRateList" minOccurs="0"/>
   <xsd:element name="delayToleranceList" type="csta:DelayToleranceList" minOccurs="0"/>
   <xsd:element name="pauseTime" type="csta:PauseTime" minOccurs="0"/>
   <xsd:element name="currentTime" type="csta:TimeInfo" minOccurs="0"/>
   <xsd:element name="messageSeqNumbers" type="csta:MessageSeqNumbers" minOccurs="0"/>
   <xsd:element name="timeStampMode" type="csta:TimeStampMode" minOccurs="0"/>
   <xsd:element name="securityMode" type="csta:SecurityMode" minOccurs="0"/>
   <xsd:element name="securityFormat" type="csta:SecurityFormat" minOccurs="0"/>
   <xsd:element name="privateDataFormat" type="csta:SecurityFormat" minOccurs="0"/>
   <xsd:element name="transAndConfSetup" type="csta:TransAndConfSetup" minOccurs="0"/>
   <xsd:element name="monitorFilterItems" type="csta:MonitorFilterItems" minOccurs="0"/>
   <xsd:element name="miscMonitorCaps" type="csta:MiscMonitorCaps" minOccurs="0"/>
   <xsd:element name="correlatorDataSupported" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="dynamicFeatureSupported" type="csta:DynamicFeatureSupported"
   minOccurs="0"/>
   <xsd:element name="callLinkageOptions" type="csta:CallLinkageOptions" minOccurs="0"/>
   <xsd:element name="aCDModels" type="csta:ACDModels" minOccurs="0"/>
   <xsd:element name="agentLogOnModels" type="csta:AgentLogOnModels" minOccurs="0"/>
   <xsd:element name="agentStateModels" type="csta:AgentStateModels" minOccurs="0"/>
   <xsd:element name="connectionView" type="csta:ConnectionView"/>
   <xsd:element name="maxLengthParameters" type="csta:MaxLengthParameters"/>
   <xsd:element name="maxLengthParametersContinued" type="csta:MaxLengthParametersContinued"
         minOccurs="0"/>
   <xsd:element name="servEvtsList" type="csta:ServEvtsList" minOccurs="0"/>
   <xsd:element name="privateDataVersionList" type="csta:PrivateDataVersionList"
   minOccurs="0"/>
```

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```
      <xsd:element name="systemStatusTimer" minOccurs="0">
       <xsd:simpleType>
        <xsd:restriction base="xsd:long">
         <xsd:minInclusive value="0"/>
         <xsd:maxInclusive value="180"/>
        </xsd:restriction>
       </xsd:simpleType>
      </xsd:element>
      <xsd:element name="simpleThreshold" type="xsd:long" minOccurs="0"/>
      <xsd:element name="filterThreshold" type="csta:FilterThreshold" minOccurs="0"/>
      <xsd:element name="mediaServiceCapsList" type="csta:MediaServiceCapsList" minOccurs="0"/>
      <xsd:element name="MaxDeviceHistoryEntries" type="xsh:short" minOccurs="0"/>
      <xsd:element name="extensions" type="csta:CSTACommonArguments" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
<xsd:complexType name="MonitorFilterItems">
  <xsd:sequence>
    <xsd:element name="deviceOnDeviceMonitorFilter" type="csta:MonitorFilter" minOccurs="0"/>
    <xsd:element name="deviceOnConnectionMonitorFilter" type="csta:MonitorFilter"
    minOccurs="0"/>
    <xsd:element name="callOnDeviceMonitorFilter" type="csta:MonitorFilter" minOccurs="0"/>
    <xsd:element name="callOnConnectionMonitorFilter" type="csta:MonitorFilter" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MessageSeqNumbers">
  <xsd:sequence>
    <xsd:element name="allEvents" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="allAcks" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="allServReqs" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="SecurityMode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="allEvents"/>
    <xsd:enumeration value="allAcks"/>
    <xsd:enumeration value="allServReqs"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="SecurityFormat">
  <xsd:sequence>
    <xsd:element name="octetStringFromSF" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="otherTypeFromSF" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="octetStringToSF" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="otherTypeToSF" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="Profiles">
  <xsd:sequence>
    <xsd:element name="basicTelephonyProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="routeingProfile" type="xsd:boolean" minOccurs="0"/
    <xsd:element name="l1aVoiceBrowserProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="l1bVoiceBrowserProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="l2VoiceBrowserProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="minimalEndpointCallControlProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="basicEndpointCallControlProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="advancedEndpointCallControlProfile" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="conferencingEndpointCallControlProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="basicEndpointDeviceProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="advancedEndpointDeviceProfile" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="DynamicFeatureSupported">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="none"/>
    <xsd:enumeration value="all"/>
    <xsd:enumeration value="some"/>
  </xsd:restriction>
```

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```
</xsd:simpleType>
<xsd:complexType name="CallLinkageOptions">
 <xsd:sequence>
  <xsd:element name="callLinkageFeatureSupported" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="threadLinkageFeatureSupported" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="AgentStateModels">
 <xsd:sequence>
  <xsd:element name="multiState" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="multiStateSemiIndependentLinked" type="xsd:boolean" minOccurs="0"/>
  <xsd:element name="agentOriented" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="ConnectionView">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="fixed"/>
  <xsd:enumeration value="local"/>
 </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="ServEvtsList">
 <xsd:sequence>
  <xsd:element name="capExchangeServList" type="csta:CapExchangeServList" minOccurs="0"/>
  <xsd:element name="systemServList" type="csta:SystemStatusServList" minOccurs="0"/>
  <xsd:element name="monitoringServList" type="csta:MonitoringServList" minOccurs="0"/>
  <xsd:element name="snapshotServList" type="csta:SnapshotServList" minOccurs="0"/>
  <xsd:element name="callControlServList" type="csta:CallControlServList" minOccurs="0"/>
  <xsd:element name="callControlEvtsList" type="csta:CallControlEvtsList" minOccurs="0"/>
  <xsd:element name="callAssociatedServList" type="csta:CallAssociatedServList"
  minOccurs="0"/>
  <xsd:element name="callAssociatedEvtsList" type="csta:CallAssociatedEvtsList"
  minOccurs="0"/>
  <xsd:element name="mediaServList" type="csta:MediaServList" minOccurs="0"/>
  <xsd:element name="mediaEvtsList" type="csta:MediaEvtsList" minOccurs="0"/>
  <xsd:element name="routeingServList" type="csta:RouteingServList" minOccurs="0"/>
  <xsd:element name="physDevServList" type="csta:PhysDevServList" minOccurs="0"/>
  <xsd:element name="physDevEvtsList" type="csta:PhysDevEvtsList" minOccurs="0"/>
  <xsd:element name="logicalServList" type="csta:LogicalServList" minOccurs="0"/>
  <xsd:element name="logicalEvtsList" type="csta:LogicalEvtsList" minOccurs="0"/>
  <xsd:element name="deviceMaintEvtsList" type="csta:DeviceMaintEvtsList" minOccurs="0"/>
  <xsd:element name="iOServicesServList" type="csta:IOServicesServList" minOccurs="0"/>
  <xsd:element name="dataCollectionServList" type="csta:DataCollectionServList"
  minOccurs="0"/>
  <xsd:element name="voiceUnitServList" type="csta:VoiceUnitServList" minOccurs="0"/>
  <xsd:element name="voiceUnitEvtsList" type="csta:VoiceUnitEvtsList" minOccurs="0"/>
  <xsd:element name="cdrServList" type="csta:CDRServList" minOccurs="0"/>
  <xsd:element name="vendorSpecificServList" type="csta:VendorSpecificServList"
  minOccurs="0"/>
  <xsd:element name="vendorSpecificEvtsList" type="csta:VendorSpecificEvtsList"
  minOccurs="0"/>
  <xsd:element name="statusReportingServList" type="csta:StatusReportingServList"
  minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="StatusReportingServList">
 <xsd:sequence>
  <xsd:element name="monitoringServices" type="csta:MonitoringServList" minOccurs="0"/>
  <xsd:element name="snapshotServices" type="csta:SnapshotServList" minOccurs="0"/>
  <xsd:element name="systemServices" type="csta:SystemStatusServList" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MiscMediaCallCharacteristics">
 <xsd:sequence>
  <xsd:element name="supportAdjustment" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="PrivateDataVersionList">
 <xsd:sequence>
```

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```
    <xsd:element name="privateDataVersion" type="xsd:long" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>

</xsd:schema>
```

11.1.5 Get switching function devices

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-switching-function-devices</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="capability-exchange.xsd"/>

 <xsd:element name="GetSwitchingFunctionDevices">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="requestedDeviceID" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element name="requestedDeviceCategory" type="csta:ReqDeviceCategory" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetSwitchingFunctionDevicesResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="serviceCrossRefID" type="csta:ServiceCrossRefID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:simpleType name="ReqDeviceCategory">
  <xsd:restriction base="xsd:string">
   <xsd:enumeration value="acd"/>
   <xsd:enumeration value="groupACD"/>
   <xsd:enumeration value="groupHunt"/>
   <xsd:enumeration value="groupPick"/>
   <xsd:enumeration value="groupUser"/>
   <xsd:enumeration value="groupOther"/>
   <xsd:enumeration value="networkInterface"/>
   <xsd:enumeration value="park"/>
   <xsd:enumeration value="routeingDevice"/>
   <xsd:enumeration value="station"/>
   <xsd:enumeration value="voiceUnit"/>
   <xsd:enumeration value="genericIV"/>
   <xsd:enumeration value="listenerIV"/>
   <xsd:enumeration value="dtmfIV"/>
   <xsd:enumeration value="promptIV"/>
   <xsd:enumeration value="promptQueue"/>
   <xsd:enumeration value="messageIV"/>
   <xsd:enumeration value="other"/>
  </xsd:restriction>
 </xsd:simpleType>

</xsd:schema>
```

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11.1.6 Switching function devices

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-switching-function-devices</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="capability-exchange.xsd"/>

 <xsd:element name="SwitchingFunctionDevices">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="serviceCrossRefID" type="csta:ServiceCrossRefID"/>
    <xsd:element name="segmentID" type="xsd:long" minOccurs="0"/>
    <xsd:element name="lastSegment" type="xsd:boolean"/>
    <xsd:element name="deviceList" type="csta:DeviceList"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:complexType name="DeviceList">
  <xsd:sequence>
   <xsd:element name="device" minOccurs="0" maxOccurs="unbounded">
    <xsd:complexType>
     <xsd:sequence>
      <xsd:element name="deviceID" type="csta:DeviceID"/>
      <xsd:element name="deviceCategory" type="csta:DeviceCategory" default="station"
      minOccurs="0"/>
      <xsd:element name="namedDeviceTypes" type="csta:NamedDeviceTypes" minOccurs="0"/>
      <xsd:element name="deviceAttributes" type="csta:DeviceAttributes" minOccurs="0"/>
      <xsd:element name="deviceModelName" minOccurs="0">
       <xsd:simpleType>
        <xsd:restriction base="xsd:string">
         <xsd:minLength value="0"/>
        </xsd:restriction>
       </xsd:simpleType>
      </xsd:element>
      <xsd:element name="nidGroup" type="csta:DeviceID" minOccurs="0"/>
     </xsd:complexType>
    </xsd:element>
   </xsd:sequence>
  </xsd:complexType>

 <xsd:complexType name="DeviceAttributes">
  <xsd:sequence>
   <xsd:element name="mediaAccessDevice" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="routeingDevice" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="groupACD" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="groupHunt" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="groupPick" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="groupUser" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

</xsd:schema>
```

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12 System services

12.1 Registration services

12.1.1 Change system status filter

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-change-system-status-filter</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="ChangeSysStatFilter">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:sysStatRegisterID"/>
    <xsd:element name="requestedStatusFilter" type="csta:StatusFilterList"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="ChangeSysStatFilterResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="actualStatusFilter" type="csta:StatusFilterList"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

<xsd:complexType name="StatusFilterList">
  <xsd:sequence>
   <xsd:element name="initializing" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="enabled" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="normal" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="messageLost" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="disabled" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="partiallyDisabled" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="overloadImminent" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="overloadReached" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="overloadRelieved" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

</xsd:schema>
```

12.1.2 System register

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
```

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```
  <xsd:documentation>CSTA-system-register</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="SystemRegister">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="requestTypes" type="csta:RequestTypes"/>
    <xsd:element name="requestedStatusFilter" type="csta:StatusFilter" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SystemRegisterResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:sysStatRegisterID"/>
    <xsd:element name="actualStatusFilter" type="csta:StatusFilter" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:complexType name="StatusFilter">
  <xsd:sequence>
   <xsd:element name="initializing" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="enabled" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="normal" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="messageLost" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="disabled" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="partiallyDisabled" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="overloadImminent" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="overloadReached" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="overloadRelieved" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="RequestTypes">
  <xsd:sequence>
   <xsd:element name="systemStatus" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="requestSystemStatus" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="switchingFunctionCapsChanged" type="xsd:boolean" minOccurs="0"/>
   <xsd:element name="switchingFunctionDevicesChanged" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

</xsd:schema>
```

12.1.3 System register abort

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-system-register-abort</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
```

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```
<xsd:element name="SystemRegisterAbort">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:sysStatRegisterID"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:annotation>
  <xsd:documentation>There is no positive response to this request</xsd:documentation>
</xsd:annotation>

</xsd:schema>
```

12.1.4 System register cancel

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-system-register-cancel</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="device-feature-types.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>

  <xsd:element name="SystemRegisterCancel">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:sysStatRegisterID"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="SystemRegisterCancelResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

12.2 Services

12.2.1 Request system status

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-request-system-status</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="device-feature-types.xsd"/>
```

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```
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="RequestSystemStatus">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:sysStatRegisterID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="RequestSystemStatusResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="systemStatus" type="csta:SystemStatusValue"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

12.2.2 System status

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-system-statusl</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="SystemStatus">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:sysStatRegisterID" minOccurs="0"/>
    <xsd:element name="systemStatus" type="csta:SystemStatusValue"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SystemStatusResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

12.2.3 Switching function capabilities changed

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

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```
<xsd:annotation>
  <xsd:documentation>CSTA-switching-functions-capabilities-changed</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="device-feature-types.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>

<xsd:element name="SwFunctionCapsChanged">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:sysStatRegisterID" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="SwFunctionCapsChangedResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>
```

12.2.4 Switching function devices changed

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-switching-functions-devices-changed</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="device-feature-types.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>

  <xsd:element name="SwFunctionDevicesChanged">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:sysStatRegisterID" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="SwFunctionDevicesChangedResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

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13 Monitoring services

13.1 Services

13.1.1 Change monitor filter

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-change-monitor-filter</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="ChangeMonitorFilter">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="requestedFilterList" type="csta:MonitorFilter"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="ChangeMonitorFilterResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="actualFilterList" type="csta:MonitorFilter" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

13.1.2 Monitor start

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-monitor-start</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="MonitorStart">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="monitorObject" type="csta:MonitorObject"/>
    <xsd:element name="requestedMonitorFilter" type="csta:MonitorFilter" minOccurs="0"/>
    <xsd:element name="monitorType" type="csta:MonitorType" minOccurs="0"/>
    <xsd:element name="requestedMonitorMediaClass" type="csta:MonitorMediaClass"
    minOccurs="0"/>
```

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```
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="MonitorStartResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="actualMonitorFilter" type="csta:MonitorFilter" minOccurs="0"/>
    <xsd:element name="actualMonitorMediaClass" type="csta:MonitorMediaClass" minOccurs="0"/>
    <xsd:element name="monitorExistingCalls" type="xsd:boolean" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

13.1.3 Monitor stop

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-monitor-stop</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="MonitorStop">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="MonitorStopResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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14 Snapshot services

14.1 Services

14.1.1 Snapshot call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
```


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```
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-snapshot-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="capability-exchange.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>

 <xsd:element name="SnapshotCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="snapshotObject" type="csta:ConnectionID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SnapshotCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="crossRefIDorSnapshotData">
     <xsd:complexType>
      <xsd:choice>
       <xsd:element name="serviceCrossRefID" type="csta:ServiceCrossRefID"/>
       <xsd:element name="snapshotData" type="csta:SnapshotCallDataList"/>
      </xsd:choice>
     </xsd:complexType>
    </xsd:element>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:callingDevice" minOccurs="0"/>
    <xsd:element ref="csta:calledDevice" minOccurs="0"/>
    <xsd:element ref="csta:associatedCallingDevice" minOccurs="0"/>
    <xsd:element ref="csta:associatedCalledDevice" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
    <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
    <xsd:element ref="csta:messageInfo" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:deviceHistory" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

14.1.2 Snapshot device

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-snapshot-device</xsd:documentation>
 </xsd:annotation>
```

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```
<xsd:include schemaLocation="device-identifiers.xsd"/>
<xsd:include schemaLocation="status-reporting.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>
<xsd:include schemaLocation="capability-exchange.xsd"/>

<xsd:element name="SnapshotDevice">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="snapshotObject" type="csta:DeviceID"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="SnapshotDeviceResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="crossRefIDorSnapshotData">
        <xsd:complexType>
          <xsd:choice>
            <xsd:element name="serviceCrossRefID" type="csta:ServiceCrossRefID"/>
            <xsd:element name="snapshotData" type="csta:SnapshotDeviceDataList"/>
          </xsd:choice>
        </xsd:complexType>
      </xsd:element>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>
```

14.1.3 Snapshot calldata

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA snapshot-call-data</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="status-reporting.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="capability-exchange.xsd"/>

  <xsd:element name="SnapshotCallData">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="serviceCrossRefID" type="csta:ServiceCrossRefID"/>
        <xsd:element name="segmentID" type="xsd:long" minOccurs="0"/>
        <xsd:element name="lastSegment" type="xsd:boolean"/>
        <xsd:element name="snapshotData" type="csta:SnapshotCallDataList"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:annotation>
    <xsd:documentation>There is no positive response to this request.</xsd:documentation>
  </xsd:annotation>

</xsd:schema>
```

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14.1.4 Snapshot devicedata

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-snapshot-device-data</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="capability-exchange.xsd"/>

 <xsd:element name="SnapshotDeviceData">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="serviceCrossRefID" type="csta:ServiceCrossRefID"/>
    <xsd:element name="segmentID" type="xsd:long" minOccurs="0"/>
    <xsd:element name="lastSegment" type="xsd:boolean"/>
    <xsd:element name="snapshotData" type="csta:SnapshotDeviceDataList"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:annotation>
  <xsd:documentation>There is no positive response to this request.</xsd:documentation>
 </xsd:annotation>

</xsd:schema>
```

15 Call control services and events

15.1 Services

15.1.1 Accept call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-accept-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="AcceptCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="callToBeAccepted" type="csta:ConnectionID"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
```

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```
  </xsd:element>

  <xsd:element name="AcceptCallResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

15.1.2 Alternate call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-alternate-call</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="call-control.xsd"/>
  <xsd:element name="AlternateCall">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="heldCall" type="csta:ConnectionID"/>
        <xsd:element name="activeCall" type="csta:ConnectionID"/>
        <xsd:element name="connectionReservation" type="xsd:boolean" minOccurs="0"/>
        <xsd:element ref="csta:consultOptions" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="AlternateCallResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

15.1.3 Answer call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-answer-call</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
  <xsd:include schemaLocation="device-feature-types.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
```

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```
 <xsd:element name="AnswerCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="callToBeAnswered" type="csta:ConnectionID"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="AnswerCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.1.4 Call back call-related

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-call-back-call-related</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:element name="CallBack">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="callbackConnection" type="csta:ConnectionID"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="CallBackResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="targetDevice" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.1.5 Call back message call-related

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
```

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```
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-call-back-message-call-related</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="CallBackMessage">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="callbackMessageConnection" type="csta:ConnectionID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="CallBackMessageResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="targetDevice" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.1.6 Camp on call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-camp-on-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="CamponCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="camponConnection" type="csta:ConnectionID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="CamponCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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15.1.7 Clear call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-clear-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:element name="ClearCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="callToBeCleared" type="csta:ConnectionID"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element ref="csta:reason" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="ClearCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.1.8 Clear Connection

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-clear-connection</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="ClearConnection">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="connectionToBeCleared" type="csta:ConnectionID"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element ref="csta:reason" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="ClearConnectionResponse">
```

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```
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>
```

15.1.9 Conference call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
   <xsd:documentation>CSTA-conference-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>

 <xsd:element name="ConferenceCall">
   <xsd:complexType>
     <xsd:sequence>
       <xsd:element name="heldCall" type="csta:ConnectionID"/>
       <xsd:element name="activeCall" type="csta:ConnectionID"/>
       <xsd:element ref="csta:extensions" minOccurs="0"/>
     </xsd:sequence>
   </xsd:complexType>
 </xsd:element>

 <xsd:element name="ConferenceCallResponse">
   <xsd:complexType>
     <xsd:sequence>
       <xsd:element name="conferenceCall" type="csta:ConnectionID"/>
       <xsd:element name="connections" type="csta:ConnectionList" minOccurs="0"/>
       <xsd:element name="conferenceCallInfo" type="csta:ConnectionInformation" minOccurs="0"/>
       <xsd:element ref="csta:extensions" minOccurs="0"/>
     </xsd:sequence>
   </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.1.10 Consultation call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
   <xsd:documentation>CSTA-consultation-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
```

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```
<xsd:include schemaLocation="call-control.xsd"/>
<xsd:include schemaLocation="media-services.xsd"/>

<xsd:element name="ConsultationCall">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="existingCall" type="csta:ConnectionID"/>
   <xsd:element name="consultedDevice" type="csta:DeviceID"/>
   <xsd:element name="connectionReservation" type="xsd:boolean" minOccurs="0"/>
   <xsd:element ref="csta:accountCode" minOccurs="0"/>
   <xsd:element ref="csta:authCode" minOccurs="0"/>
   <xsd:element ref="csta:correlatorData" minOccurs="0"/>
   <xsd:element ref="csta:userData" minOccurs="0"/>
   <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
   <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
   <xsd:element name="callingConnectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
   <xsd:element ref="csta:consultOptions" minOccurs="0"/>
   <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
   <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:element name="ConsultationCallResponse">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="initiatedCall" type="csta:ConnectionID"/>
   <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
   <xsd:element name="initiatedCallInfo" type="csta:ConnectionInformation" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

15.1.11 Deflect call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-deflect-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="DeflectCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="callToBeDiverted" type="csta:ConnectionID"/>
    <xsd:element name="newDestination" type="csta:DeviceID"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:reason" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
```

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```
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="DeflectCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.1.12 Dial digits

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-dial-digits</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="DialDigits">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="diallingConnection" type="csta:ConnectionID"/>
    <xsd:element name="diallingSequence" type="csta:DeviceID"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="DialDigitsResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.1.13 Directed pickup call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-directed-pickup-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
```

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```
<xsd:include schemaLocation="device-feature-types.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>
<xsd:include schemaLocation="media-services.xsd"/>

<xsd:element name="DirectedPickupCall">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="callToBePickedUp" type="csta:ConnectionID"/>
   <xsd:element name="requestingDevice" type="csta:DeviceID"/>
   <xsd:element ref="csta:correlatorData" minOccurs="0"/>
   <xsd:element ref="csta:userData" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:element name="DirectedPickupCallResponse">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="pickedCall" type="csta:ConnectionID" minOccurs="0"/>
   <xsd:element name="pickedCallInfo" type="csta:ConnectionInformation" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

15.1.14 Group pickup call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-group-pickup-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>

 <xsd:element name="GroupPickupCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="newDestination" type="csta:DeviceID"/>
    <xsd:element name="pickGroup" type="csta:DeviceID"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GroupPickupCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="pickedCall" type="csta:ConnectionID" minOccurs="0"/>
    <xsd:element name="pickedCallInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
```

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```
  </xsd:element>

</xsd:schema>
```

15.1.15 Hold call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-hold-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="HoldCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="callToBeHeld" type="csta:ConnectionID"/>
    <xsd:element name="connectionReservation" type="xsd:boolean" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="HoldCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.1.16 Intrude call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-intrude-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>

 <xsd:element name="IntrudeCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="intrude" type="csta:ConnectionID"/>
    <xsd:element name="participationType" type="csta:ParticipationType" default="active"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
```

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```
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="IntrudeCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="conferencedCall" type="csta:ConnectionID" minOccurs="0"/>
    <xsd:element name="conferencedCallInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.1.17 Join call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-join-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>

 <xsd:element name="JoinCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="activeCall" type="csta:ConnectionID"/>
    <xsd:element name="joiningDevice" type="csta:DeviceID"/>
    <xsd:element name="autoOriginate" type="csta:AutoOriginate" default="prompt"/>
    <xsd:element name="participationType" type="csta:ParticipationType" default="active"/>
    <xsd:element ref="csta:accountCode" minOccurs="0"/>
    <xsd:element ref="csta:authCode" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="JoinCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="conferencedCall" type="csta:ConnectionID"/>
    <xsd:element name="conferencedCallInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.1.18 Make call

```
<?xml version="1.0" encoding="UTF-8"?>
```

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```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-make-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>

 <xsd:element name="MakeCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="callingDevice" type="csta:DeviceID"/>
    <xsd:element name="calledDirectoryNumber" type="csta:DeviceID"/>
    <xsd:element ref="csta:accountCode" minOccurs="0"/>
    <xsd:element ref="csta:authCode" minOccurs="0"/>
    <xsd:element name="autoOriginate" type="csta:AutoOriginate" default="prompt"
    minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element name="callingConnectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:reason" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="MakeCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="callingDevice" type="csta:ConnectionID"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element name="initiatedCallInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.1.19 Make predictive call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-make-predictive-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
```

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```
<xsd:include schemaLocation="extension-types.xsd"/>
<xsd:include schemaLocation="call-control.xsd"/>
<xsd:include schemaLocation="media-services.xsd"/>

<xsd:element name="MakePredictiveCall">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="callingDevice" type="csta:DeviceID"/>
   <xsd:element name="calledDirectoryNumber" type="csta:DeviceID"/>
   <xsd:element name="signallingDetection" type="csta:SignallingDetection" minOccurs="0"/>
   <xsd:element name="destinationDetection" type="csta:DestinationDetection" minOccurs="0"/>
   <xsd:element name="defaultAction" type="csta:DetectionAction" minOccurs="0"/>
   <xsd:element ref="csta:accountCode" minOccurs="0"/>
   <xsd:element ref="csta:authCode" minOccurs="0"/>
   <xsd:element name="autoOriginate" type="csta:AutoOriginate" default="prompt"
   minOccurs="0"/>
   <xsd:element name="alertTime" type="xsd:long" minOccurs="0"/>
   <xsd:element ref="csta:correlatorData" minOccurs="0"/>
   <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
   <xsd:element ref="csta:userData" minOccurs="0"/>
   <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
   <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:element name="MakePredictiveCallResponse">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="initiatedCall" type="csta:ConnectionID"/>
   <xsd:element name="initiatedCallInfo" type="csta:ConnectionInformation" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:complexType name="SignallingDetection">
 <xsd:sequence>
  <xsd:element name="signallingCondition" type="csta:SignallingCondition"/>
  <xsd:element name="signallingConditionsAction" type="csta:SignallingConditionsAction"/>
 </xsd:sequence>
</xsd:complexType>

<xsd:simpleType name="SignallingCondition">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="callDelivered"/>
  <xsd:enumeration value="callEstablished"/>
 </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="SignallingConditionsAction">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="destinationDetection"/>
  <xsd:enumeration value="remainConnected"/>
 </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="DestinationDetection">
 <xsd:sequence>
  <xsd:element name="detectionItem" type="csta:DetectionItem" maxOccurs="unbounded"/>
 </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="DetectionItem">
 <xsd:sequence>
  <xsd:element name="destinationCondition" type="csta:DestinationCondition"/>
  <xsd:element name="detectionAction" type="csta:DetectionAction"/>
```

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```
  </xsd:sequence>
 </xsd:complexType>

 <xsd:simpleType name="DestinationCondition">
  <xsd:restriction base="xsd:string">
   <xsd:enumeration value="humanVoice"/>
   <xsd:enumeration value="answeringMachine"/>
   <xsd:enumeration value="facsimileMachine"/>
  </xsd:restriction>
 </xsd:simpleType>

 <xsd:simpleType name="DetectionAction">
  <xsd:restriction base="xsd:string">
   <xsd:enumeration value="clearCalledConnection"/>
   <xsd:enumeration value="remainConnected"/>
  </xsd:restriction>
 </xsd:simpleType>

</xsd:schema>
```

15.1.20 Park call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-park-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="ParkCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="parking" type="csta:ConnectionID"/>
    <xsd:element name="parkTo" type="csta:DeviceID"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="ParkCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="parkedTo" type="csta:ConnectionID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.1.21 Reconnect call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
```

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```
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-reconnect-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="ReconnectCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="activeCall" type="csta:ConnectionID"/>
    <xsd:element name="heldCall" type="csta:ConnectionID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="ReconnectCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.1.22 Retrieve call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-retrieve-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="RetrieveCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="callToBeRetrieved" type="csta:ConnectionID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="RetrieveCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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15.1.23 Send Message

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-send-message</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>

 <xsd:element name="SendMessage">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="callingDevice" type="csta:DeviceID"/>
    <xsd:element name="destinationDevices" type="csta:DeviceListItems"/>
    <xsd:element name="messageInfo" type="csta:MessageInfo"/>
    <xsd:element ref="csta:accountCode" minOccurs="0"/>
    <xsd:element ref="csta:authCode" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SendMessageResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="connectionList" type="csta:ConnectionListItems"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:complexType name="DeviceListItems">
  <xsd:sequence>
   <xsd:element name="device" type="csta:DeviceID" maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="ConnectionListItems">
  <xsd:sequence>
   <xsd:element name="connection" type="csta:ConnectionID" maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>

</xsd:schema>
```

15.1.24 Single step conference call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
```

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```
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-single-step-conference-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>

 <xsd:element name="SingleStepConferenceCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="activeCall" type="csta:ConnectionID"/>
    <xsd:element name="deviceToJoin" type="csta:DeviceID"/>
    <xsd:element name="participationType" type="csta:ParticipationType" default="active"/>
    <xsd:element ref="csta:accountCode" minOccurs="0"/>
    <xsd:element ref="csta:authCode" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SingleStepConferenceCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="conferencedCall" type="csta:ConnectionID"/>
    <xsd:element name="conferencedCallInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.1.25 Single step transfer call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-single-step-transfer-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>

 <xsd:element name="SingleStepTransferCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="activeCall" type="csta:ConnectionID"/>
```

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```
      <xsd:element name="transferredTo" type="csta:DeviceID"/>
      <xsd:element ref="csta:accountCode" minOccurs="0"/>
      <xsd:element ref="csta:authCode" minOccurs="0"/>
      <xsd:element ref="csta:correlatorData" minOccurs="0"/>
      <xsd:element ref="csta:userData" minOccurs="0"/>
      <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
      <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
      <xsd:element ref="csta:reason" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SingleStepTransferCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="transferredCall" type="csta:ConnectionID"/>
    <xsd:element name="connections" type="csta:ConnectionList" minOccurs="0"/>
    <xsd:element name="transferredCallInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.1.26 Transfer call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-transfer-call</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>

 <xsd:element name="TransferCall">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="heldCall" type="csta:ConnectionID"/>
    <xsd:element name="activeCall" type="csta:ConnectionID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="TransferCallResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="transferredCall" type="csta:ConnectionID"/>
    <xsd:element name="connections" type="csta:ConnectionList" minOccurs="0"/>
    <xsd:element name="transferredCallInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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15.2 Events

15.2.1 Bridged

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-bridged-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="BridgedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="bridgedConnection" type="csta:ConnectionID"/>
    <xsd:element name="bridgedAppearance" type="csta:SubjectDeviceID"/>
    <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element ref="csta:cause"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element name="bridgedConnectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.2.2 Call cleared

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-call-cleared-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
```

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```
<xsd:include schemaLocation="media-services.xsd"/>
<xsd:include schemaLocation="status-reporting.xsd"/>

<xsd:element name="CallClearedEvent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:monitorCrossRefID"/>
      <xsd:element name="clearedCall" type="csta:ConnectionID"/>
      <xsd:element ref="csta:correlatorData" minOccurs="0"/>
      <xsd:element ref="csta:userData" minOccurs="0"/>
      <xsd:element ref="csta:cause"/>
      <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
      <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
      <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
      <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>
```

15.2.3 Conferenced

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-conferenced-event</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="event-cause.xsd"/>
  <xsd:include schemaLocation="device-identifiers.xsd"/>
  <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
  <xsd:include schemaLocation="connection-states.xsd"/>
  <xsd:include schemaLocation="device-feature-types.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="call-control.xsd"/>
  <xsd:include schemaLocation="media-services.xsd"/>
  <xsd:include schemaLocation="status-reporting.xsd"/>

  <xsd:element name="ConferencedEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="primaryOldCall" type="csta:ConnectionID"/>
        <xsd:element name="secondaryOldCall" type="csta:ConnectionID" minOccurs="0"/>
        <xsd:element name="conferencingDevice" type="csta:SubjectDeviceID"/>
        <xsd:element name="addedParty" type="csta:SubjectDeviceID"/>
        <xsd:element name="conferenceConnections" type="csta:ConnectionList"/>
        <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
        <xsd:element ref="csta:correlatorData" minOccurs="0"/>
        <xsd:element ref="csta:userData" minOccurs="0"/>
        <xsd:element ref="csta:cause"/>
        <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
        <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
        <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
        <xsd:element name="callLinkageDataList" type="csta:CallLinkageDataList" minOccurs="0"/>
        <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
        <xsd:element ref="csta:deviceHistory" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
```

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```
 </xsd:element>

</xsd:schema>
```

15.2.4 Connection cleared

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-connection-cleared-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="charge-info.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="ConnectionClearedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="droppedConnection" type="csta:ConnectionID"/>
    <xsd:element name="releasingDevice" type="csta:SubjectDeviceID"/>
    <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element name="chargingInfo" type="csta:ChargingInfo" minOccurs="0"/>
    <xsd:element ref="csta:cause"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element name="droppedConnectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:deviceHistory" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.2.5 Delivered

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-delivered-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
```

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```
<xsd:include schemaLocation="device-identifiers.xsd"/>
<xsd:include schemaLocation="call-connection-identifiers.xsd"/>
<xsd:include schemaLocation="connection-states.xsd"/>
<xsd:include schemaLocation="device-feature-types.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>
<xsd:include schemaLocation="call-control.xsd"/>
<xsd:include schemaLocation="media-services.xsd"/>
<xsd:include schemaLocation="status-reporting.xsd"/>

<xsd:element name="DeliveredEvent">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="csta:monitorCrossRefID"/>
   <xsd:element name="connection" type="csta:ConnectionID"/>
   <xsd:element name="alertingDevice" type="csta:SubjectDeviceID"/>
   <xsd:element ref="csta:callingDevice"/>
   <xsd:element ref="csta:calledDevice"/>
   <xsd:element ref="csta:lastRedirectionDevice"/>
   <xsd:element name="originatingNIDConnection" type="csta:ConnectionID" minOccurs="0"/>
   <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
   <xsd:element ref="csta:correlatorData" minOccurs="0"/>
   <xsd:element ref="csta:userData" minOccurs="0"/>
   <xsd:element ref="csta:cause"/>
   <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
   <xsd:element ref="csta:networkCallingDevice" minOccurs="0"/>
   <xsd:element ref="csta:networkCalledDevice" minOccurs="0"/>
   <xsd:element ref="csta:associatedCallingDevice" minOccurs="0"/>
   <xsd:element ref="csta:associatedCalledDevice" minOccurs="0"/>
   <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
   <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
   <xsd:element name="connectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
   <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
   <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
   <xsd:element ref="csta:messageInfo" minOccurs="0"/>
   <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
   <xsd:element ref="csta:deviceHistory" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

15.2.6 Digits dialed

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-digits-dialed-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="DigitsDialedEvent">
```

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```
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="dialingConnection" type="csta:ConnectionID"/>
    <xsd:element name="dialingDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="dialingSequence" type="csta:DeviceID"/>
    <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:cause"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:networkCallingDevice" minOccurs="0"/>
    <xsd:element ref="csta:networkCalledDevice" minOccurs="0"/>
    <xsd:element ref="csta:associatedCallingDevice" minOccurs="0"/>
    <xsd:element ref="csta:associatedCalledDevice" minOccurs="0"/>
    <xsd:element name="dialingConnectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.2.7 Diverted

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-diverted-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="DivertedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="divertingDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="newDestination" type="csta:SubjectDeviceID"/>
    <xsd:element ref="csta:callingDevice" minOccurs="0"/>
    <xsd:element ref="csta:calledDevice" minOccurs="0"/>
    <xsd:element ref="csta:lastRedirectionDevice"/>
    <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element ref="csta:cause"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element name="connectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:networkCallingDevice" minOccurs="0"/>
```

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```
      <xsd:element ref="csta:networkCalledDevice" minOccurs="0"/>
      <xsd:element ref="csta:associatedCallingDevice" minOccurs="0"/>
      <xsd:element ref="csta:associatedCalledDevice" minOccurs="0"/>
      <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
      <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
      <xsd:element ref="csta:messageInfo" minOccurs="0"/>
      <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
      <xsd:element ref="csta:deviceHistory" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.2.8 Established

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-established-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="EstablishedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="establishedConnection" type="csta:ConnectionID"/>
    <xsd:element name="answeringDevice" type="csta:SubjectDeviceID"/>
    <xsd:element ref="csta:callingDevice"/>
    <xsd:element ref="csta:calledDevice"/>
    <xsd:element ref="csta:lastRedirectionDevice"/>
    <xsd:element name="originatingNIDConnection" type="csta:ConnectionID" minOccurs="0"/>
    <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element ref="csta:cause"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:networkCallingDevice" minOccurs="0"/>
    <xsd:element ref="csta:networkCalledDevice" minOccurs="0"/>
    <xsd:element ref="csta:associatedCallingDevice" minOccurs="0"/>
    <xsd:element ref="csta:associatedCalledDevice" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element name="establishedConnectionInfo" type="csta:ConnectionInformation"
    minOccurs="0"/>
    <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
    <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
    <xsd:element ref="csta:messageInfo" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:deviceHistory" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
```

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```
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.2.9 Failed

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-failed-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="FailedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="failedConnection" type="csta:ConnectionID"/>
    <xsd:element name="failingDevice" type="csta:SubjectDeviceID"/>
    <xsd:element ref="csta:callingDevice"/>
    <xsd:element ref="csta:calledDevice"/>
    <xsd:element ref="csta:lastRedirectionDevice"/>
    <xsd:element name="originatingNIDConnection" type="csta:ConnectionID" minOccurs="0"/>
    <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element ref="csta:cause"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:networkCallingDevice" minOccurs="0"/>
    <xsd:element ref="csta:networkCalledDevice" minOccurs="0"/>
    <xsd:element ref="csta:associatedCallingDevice" minOccurs="0"/>
    <xsd:element ref="csta:associatedCalledDevice" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element name="failedConnectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
    <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
    <xsd:element ref="csta:messageInfo" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:deviceHistory" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.2.10 Held

```
<?xml version="1.0" encoding="UTF-8"?>
```

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```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-held-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="HeldEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="heldConnection" type="csta:ConnectionID"/>
    <xsd:element name="holdingDevice" type="csta:SubjectDeviceID"/>
    <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:cause"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element name="heldConnectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.2.11 Network capabilities changed

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-network-capabilities-changed-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="NetworkCapabilitiesChangedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
```

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```
      <xsd:element name="outboundConnection" type="csta:ConnectionID"/>
      <xsd:element name="networkInterfaceUsed" type="csta:SubjectDeviceID"/>
      <xsd:element ref="csta:calledDevice"/>
      <xsd:element name="progressIndicator" type="csta:ProgressIndicator"/>
      <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
      <xsd:element ref="csta:correlatorData" minOccurs="0"/>
      <xsd:element ref="csta:userData" minOccurs="0"/>
      <xsd:element name="networkCapability" type="csta:NetworkCapability" minOccurs="0"/>
      <xsd:element ref="csta:cause"/>
      <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
      <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
      <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
      <xsd:element name="outboundConnectionInfo" type="csta:ConnectionInformation"
      minOccurs="0"/>
      <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
      <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.2.12 Network reached

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-network-reached-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="NetworkReachedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="outboundConnection" type="csta:ConnectionID"/>
    <xsd:element name="networkInterfaceUsed" type="csta:SubjectDeviceID"/>
    <xsd:element ref="csta:callingDevice"/>
    <xsd:element ref="csta:calledDevice"/>
    <xsd:element ref="csta:lastRedirectionDevice"/>
    <xsd:element name="originatingNIDConnection" type="csta:ConnectionID" minOccurs="0"/>
    <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element name="networkCapability" type="csta:NetworkCapability" minOccurs="0"/>
    <xsd:element ref="csta:cause"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element name="outboundConnectionInfo" type="csta:ConnectionInformation"
    minOccurs="0"/>
    <xsd:element ref="csta:networkCallingDevice" minOccurs="0"/>
```

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```
      <xsd:element ref="csta:networkCalledDevice" minOccurs="0"/>
      <xsd:element ref="csta:associatedCallingDevice" minOccurs="0"/>
      <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
      <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
      <xsd:element ref="csta:deviceHistory" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.2.13 Offered

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-offered-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="OfferedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="offeredConnection" type="csta:ConnectionID"/>
    <xsd:element name="offeredDevice" type="csta:SubjectDeviceID"/>
    <xsd:element ref="csta:callingDevice"/>
    <xsd:element ref="csta:calledDevice"/>
    <xsd:element ref="csta:lastRedirectionDevice"/>
    <xsd:element name="originatingNIDConnection" type="csta:ConnectionID" minOccurs="0"/>
    <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element ref="csta:cause"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:networkCallingDevice" minOccurs="0"/>
    <xsd:element ref="csta:networkCalledDevice" minOccurs="0"/>
    <xsd:element ref="csta:associatedCallingDevice" minOccurs="0"/>
    <xsd:element ref="csta:associatedCalledDevice" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element name="offeredConnectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
    <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
    <xsd:element ref="csta:messageInfo" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:deviceHistory" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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15.2.14 Originated

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-originated-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="OriginatedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="originatedConnection" type="csta:ConnectionID"/>
    <xsd:element name="callingDevice" type="csta:SubjectDeviceID"/>
    <xsd:element ref="csta:calledDevice"/>
    <xsd:element name="originatingDevice" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:cause"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:networkCallingDevice" minOccurs="0"/>
    <xsd:element ref="csta:networkCalledDevice" minOccurs="0"/>
    <xsd:element ref="csta:associatedCallingDevice" minOccurs="0"/>
    <xsd:element ref="csta:associatedCalledDevice" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element name="originatedConnectionInfo" type="csta:ConnectionInformation"
    minOccurs="0"/>
    <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
    <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
    <xsd:element ref="csta:messageInfo" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.2.15 Queued

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-queued-event</xsd:documentation>
 </xsd:annotation>
```

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```
<xsd:include schemaLocation="event-cause.xsd"/>
<xsd:include schemaLocation="device-identifiers.xsd"/>
<xsd:include schemaLocation="call-connection-identifiers.xsd"/>
<xsd:include schemaLocation="connection-states.xsd"/>
<xsd:include schemaLocation="device-feature-types.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>
<xsd:include schemaLocation="call-control.xsd"/>
<xsd:include schemaLocation="media-services.xsd"/>
<xsd:include schemaLocation="status-reporting.xsd"/>

<xsd:element name="QueuedEvent">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="csta:monitorCrossRefID"/>
   <xsd:element name="queuedConnection" type="csta:ConnectionID"/>
   <xsd:element name="queue" type="csta:SubjectDeviceID"/>
   <xsd:element ref="csta:callingDevice"/>
   <xsd:element ref="csta:calledDevice"/>
   <xsd:element ref="csta:lastRedirectionDevice"/>
   <xsd:element name="numberQueued" type="xsd:long" minOccurs="0"/>
   <xsd:element name="callsInFront" type="xsd:long" minOccurs="0"/>
   <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
   <xsd:element ref="csta:correlatorData" minOccurs="0"/>
   <xsd:element ref="csta:userData" minOccurs="0"/>
   <xsd:element ref="csta:cause"/>
   <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
   <xsd:element ref="csta:networkCallingDevice" minOccurs="0"/>
   <xsd:element ref="csta:networkCalledDevice" minOccurs="0"/>
   <xsd:element ref="csta:associatedCallingDevice" minOccurs="0"/>
   <xsd:element ref="csta:associatedCalledDevice" minOccurs="0"/>
   <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
   <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
   <xsd:element name="queuedConnectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
   <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
   <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
   <xsd:element ref="csta:messageInfo" minOccurs="0"/>
   <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
   <xsd:element ref="csta:deviceHistory" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

15.2.16 Retrieved

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-retrieved-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>
```

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```
<xsd:element name="RetrievedEvent">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="csta:monitorCrossRefID"/>
   <xsd:element name="retrievedConnection" type="csta:ConnectionID"/>
   <xsd:element name="retrievingDevice" type="csta:SubjectDeviceID"/>
   <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
   <xsd:element ref="csta:correlatorData" minOccurs="0"/>
   <xsd:element ref="csta:cause"/>
   <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
   <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
   <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
   <xsd:element name="retrievedConnectionInfo" type="csta:ConnectionInformation"
   minOccurs="0"/>
   <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
   <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

15.2.17 Service initiated

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-service-initiated-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="ServiceInitiatedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="initiatedConnection" type="csta:ConnectionID"/>
    <xsd:element name="initiatingDevice" type="csta:SubjectDeviceID"/>
    <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:cause"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element name="initiatedConnectionInfo" type="csta:ConnectionInformation"
    minOccurs="0"/>
    <xsd:element ref="csta:networkCallingDevice" minOccurs="0"/>
    <xsd:element ref="csta:networkCalledDevice" minOccurs="0"/>
    <xsd:element ref="csta:associatedCallingDevice" minOccurs="0"/>
    <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
    <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
    <xsd:element ref="csta:messageInfo" minOccurs="0"/>
```

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```
      <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

15.2.18 Transferred

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-transfered-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="charge-info.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="TransferedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="primaryOldCall" type="csta:ConnectionID"/>
    <xsd:element name="secondaryOldCall" type="csta:ConnectionID" minOccurs="0"/>
    <xsd:element name="transferringDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="transferredToDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="transferredConnections" type="csta:ConnectionList"/>
    <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:userData" minOccurs="0"/>
    <xsd:element name="chargingInfo" type="csta:ChargingInfo" minOccurs="0"/>
    <xsd:element ref="csta:cause"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element name="callLinkageDataList" type="csta:CallLinkageDataList" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element ref="csta:deviceHistory" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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16 Call associated features

16.1 Services

16.1.1 Associate data

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-associate-data</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>

 <xsd:element name="AssociateData">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="existingCall" type="csta:ConnectionID"/>
    <xsd:element ref="csta:accountCode" minOccurs="0"/>
    <xsd:element ref="csta:authCode" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element name="callQualifyingData" type="csta:CallQualifyingData" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
    <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
    <xsd:element name="deviceInfo" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="AssociateDataResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

16.1.2 Cancel telephony tones

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-cancel-telephony-tones</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
```

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```
  <xsd:element name="CancelTelephonyTones">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="connectionToStopTone" type="csta:ConnectionID"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="CancelTelephonyTonesResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

16.1.3 Change connection information

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-connection-information</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="status-reporting.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>

  <xsd:element name="ChangeConnectionInformation">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="connectionToBeChanged" type="csta:ConnectionID"/>
        <xsd:element name="requestedConnectionInfo" type="csta:ConnectionInformation"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="ChangeConnectionInformationResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="actualConnectionInfo" type="csta:ConnectionInformation"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

16.1.4 Generate digits

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-generate-digits</xsd:documentation>
```

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```
</xsd:annotation>

<xsd:include schemaLocation="call-connection-identifiers.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>

<xsd:element name="GenerateDigits">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="connectionToSendDigits" type="csta:ConnectionID"/>
   <xsd:element name="digitMode" type="csta:DigitMode" minOccurs="0"/>
   <xsd:element name="charactersToSend" type="xsd:string"/>
   <xsd:element name="toneDuration" type="xsd:long" minOccurs="0"/>
   <xsd:element name="pulseRate" type="xsd:long" minOccurs="0"/>
   <xsd:element name="pauseDuration" type="xsd:long" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:element name="GenerateDigitsResponse">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:simpleType name="DigitMode">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="rotaryPulse"/>
  <xsd:enumeration value="dTMF"/>
 </xsd:restriction>
</xsd:simpleType>

</xsd:schema>
```

16.1.5 Generate telephony tones

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-generate-telephony-tones</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="GenerateTelephonyTones">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="connectionToSendTone" type="csta:ConnectionID"/>
    <xsd:element name="toneToSend" type="csta:TelephonyTone"/>
    <xsd:element name="toneDuration" type="xsd:long" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GenerateTelephonyTonesResponse">
  <xsd:complexType>
   <xsd:sequence>
```

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```
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

16.1.6 Send user information

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-send-user-information</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="SendUserInformation">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="existingCall" type="csta:ConnectionID"/>
    <xsd:element ref="csta:userData"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SendUserInformationResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

16.2 Events

16.2.1 Call information

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-call-information-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>
```

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```
<xsd:element name="CallInformationEvent">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="csta:monitorCrossRefID"/>
   <xsd:element name="connection" type="csta:ConnectionID"/>
   <xsd:element name="device" type="csta:SubjectDeviceID"/>
   <xsd:element ref="csta:callingDevice" minOccurs="0"/>
   <xsd:element name="accountInfo" type="csta:AccountInfo" minOccurs="0"/>
   <xsd:element ref="csta:authCode" minOccurs="0"/>
   <xsd:element ref="csta:correlatorData" minOccurs="0"/>
   <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
   <xsd:element ref="csta:userData" minOccurs="0"/>
   <xsd:element name="callQualifyingData" type="csta:CallQualifyingData" minOccurs="0"/>
   <xsd:element name="connectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
   <xsd:element name="callLinkageDataList" type="csta:CallLinkageDataList" minOccurs="0"/>
   <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
   <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
   <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
   <xsd:element name="deviceInfo" type="csta:DeviceID" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

16.2.2 Charging

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-charging-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="charge-info.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="ChargingEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="chargedDevice" type="csta:DeviceID"/>
    <xsd:element name="chargingInfo" type="csta:ChargingInfo"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

16.2.3 Digits generated

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
```

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```
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-digits-generated-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="DigitsGeneratedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="digitGeneratedList" type="xsd:string"/>
    <xsd:element name="digitDurationList" minOccurs="0">
     <xsd:complexType>
      <xsd:sequence>
       <xsd:element name="digitDuration" type="xsd:long" minOccurs="0"
       maxOccurs="unbounded"/>
      </xsd:sequence>
     </xsd:complexType>
    </xsd:element>
    <xsd:element name="pauseDurationList" minOccurs="0">
     <xsd:complexType>
      <xsd:sequence>
       <xsd:element name="pauseDuration" type="xsd:long" minOccurs="0"
       maxOccurs="unbounded"/>
      </xsd:sequence>
     </xsd:complexType>
    </xsd:element>
    <xsd:element name="connectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

16.2.4 Telephony tones generated

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-telephony-tones-generated-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="TelephonyTonesGeneratedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="connection" type="csta:ConnectionID"/>
```

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```
      <xsd:element name="toneGenerated" type="csta:TelephonyTone" minOccurs="0"/>
      <xsd:element name="toneFrequency" type="xsd:long" minOccurs="0"/>
      <xsd:element name="toneDuration" type="xsd:long" minOccurs="0"/>
      <xsd:element name="pauseDuration" type="xsd:long" minOccurs="0"/>
      <xsd:element name="connectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

16.2.5 Service completion failure

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-service-completion-failure-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="ServiceCompletionFailureEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="primaryCall" type="csta:PrimaryOrSecondaryCall"/>
    <xsd:element name="secondaryCall" type="csta:PrimaryOrSecondaryCall" minOccurs="0"/>
    <xsd:element name="otherDevsPrimaryCallList" minOccurs="0">
     <xsd:complexType>
      <xsd:sequence>
       <xsd:element name="otherDevsPrimaryCall" type="csta:OtherCall" minOccurs="0"
       maxOccurs="unbounded"/>
      </xsd:sequence>
     </xsd:complexType>
    </xsd:element>
    <xsd:element name="otherDevsSecondaryCallList" minOccurs="0">
     <xsd:complexType>
      <xsd:sequence>
       <xsd:element name="otherDevsSecondaryCall" type="csta:OtherCall" minOccurs="0"
       maxOccurs="unbounded"/>
      </xsd:sequence>
     </xsd:complexType>
    </xsd:element>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:complexType name="PrimaryOrSecondaryCall">
  <xsd:sequence>
   <xsd:element name="deviceID" type="csta:DeviceID"/>
   <xsd:element name="connectionID" type="csta:ConnectionID"/>
   <xsd:element name="localConnectionState" type="csta:LocalConnectionState"/>
```

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```
    <xsd:element name="connectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
  <xsd:complexType name="OtherCall">
   <xsd:sequence>
    <xsd:element name="deviceID" type="csta:DeviceID"/>
    <xsd:element name="connectionID" type="csta:ConnectionID"/>
    <xsd:element name="localConnectionState" type="csta:LocalConnectionState" minOccurs="0"/>
    <xsd:element name="connectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
</xsd:schema>
```

17 Media attachment services and events

17.1 Services

17.1.1 Attach media service

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-attach-media-service</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>

 <xsd:element name="AttachMediaService">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="mediaServiceType" type="csta:MediaServiceType"/>
    <xsd:element name="mediaServiceVersion" type="xsd:long" minOccurs="0"/>
    <xsd:element name="mediaServiceInstanceID" type="csta:MediaServiceInstanceID"
    minOccurs="0"/>
    <xsd:element name="connectionMode" type="csta:ConnectionMode"/>
    <xsd:element name="requestedConnectionState" type="csta:LocalConnectionState"
    minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="AttachMediaServiceResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="mediaConnection" type="csta:ConnectionID" minOccurs="0"/>
    <xsd:element name="mediaDevice" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element name="mediaServiceInstanceID" type="csta:MediaServiceInstanceID"
    minOccurs="0"/>
    <xsd:element name="mediaConnectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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17.1.2 Detach media service

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-detach-media-service</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>

 <xsd:element name="DetachMediaService">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="mediaServiceType" type="csta:MediaServiceType"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="DetachMediaServiceResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

17.2 Events

17.2.1 Media attached

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-media-attached-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="MediaAttachedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="mediaConnection" type="csta:ConnectionID"/>
    <xsd:element name="mediaDevice" type="csta:SubjectDeviceID"/>
```

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```
      <xsd:element name="mediaServiceType" type="csta:MediaServiceType"/>
      <xsd:element name="mediaServiceVersion" type="xsd:long" minOccurs="0"/>
      <xsd:element name="mediaServiceInstanceID" type="csta:MediaServiceInstanceID"
      minOccurs="0"/>
      <xsd:element name="mediaStreamID" type="csta:MediaStreamID" minOccurs="0"/>
      <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
      <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
      <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
      <xsd:element name="mediaConnectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

17.2.2 Media detached

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-media-detached-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="connection-states.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="MediaDetachedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="mediaConnection" type="csta:ConnectionID"/>
    <xsd:element name="mediaDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="mediaServiceType" type="csta:MediaServiceType"/>
    <xsd:element name="mediaServiceVersion" type="xsd:long" minOccurs="0"/>
    <xsd:element name="mediaServiceInstanceID" type="csta:MediaServiceInstanceID"
    minOccurs="0"/>
    <xsd:element name="mediaStreamID" type="csta:MediaStreamID" minOccurs="0"/>
    <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
    <xsd:element ref="csta:localConnectionInfo" minOccurs="0"/>
    <xsd:element name="mediaConnectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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18 Routeing services

18.1 Registration services

18.1.1 Route register

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-route-register</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>

 <xsd:element name="RouteRegister">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="routeingDevice" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element name="requestedRouteingMediaClass" type="csta:MediaClass" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="RouteRegisterResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:routeRegisterReqID"/>
    <xsd:element name="actualRouteingMediaClass" type="csta:MediaClass" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

18.1.2 Route register abort

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-route-register-abort</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="RouteRegisterAbort">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:routeRegisterReqID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
```

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```
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:annotation>
  <xsd:documentation>There is no positive response to this request.</xsd:documentation>
 </xsd:annotation>

</xsd:schema>
```

18.1.3 Route register cancel

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-route-register-cancel</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="RouteRegisterCancel">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:routeRegisterReqID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="RouteRegisterCancelResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

18.2 Services

18.2.1 Re-Route

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-re-route</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>

 <xsd:element name="ReRoute">
  <xsd:complexType>
```

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```
    <xsd:sequence>
      <xsd:element ref="csta:crossRefIdentifier"/>
      <xsd:element ref="csta:routeRegisterReqID" minOccurs="0"/>
      <xsd:element name="replyTimeout" type="xsd:long" minOccurs="0"/>
      <xsd:element ref="csta:correlatorData" minOccurs="0"/>
      <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:annotation>
  <xsd:documentation>There is no positive response to this request.</xsd:documentation>
 </xsd:annotation>

</xsd:schema>
```

18.2.2 Route end

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-route-end</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="error.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="RouteEnd">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:crossRefIdentifier"/>
    <xsd:element ref="csta:routeRegisterReqID" minOccurs="0"/>
    <xsd:element name="errorValue" type="csta:ErrorValue" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:annotation>
  <xsd:documentation>There is no positive response to this request.</xsd:documentation>
 </xsd:annotation>

</xsd:schema>
```

18.2.3 Route reject

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-route-reject</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
```

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```
<xsd:element name="RouteReject">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:crossRefIdentifier"/>
      <xsd:element ref="csta:routeRegisterReqID" minOccurs="0"/>
      <xsd:element name="rejectCause" type="csta:RejectCause" minOccurs="0"/>
      <xsd:element ref="csta:correlatorData" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:simpleType name="RejectCause">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="busyOverflow"/>
    <xsd:enumeration value="queueTimeOverflow"/>
    <xsd:enumeration value="capacityOverflow"/>
    <xsd:enumeration value="calendarOverflow"/>
    <xsd:enumeration value="unknownOverflow"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:annotation>
  <xsd:documentation>There is no positive response to this request.</xsd:documentation>
</xsd:annotation>

</xsd:schema>
```

18.2.4 Route request

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-route-request</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="device-identifiers.xsd"/>
  <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
  <xsd:include schemaLocation="device-feature-types.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="call-control.xsd"/>
  <xsd:include schemaLocation="media-services.xsd"/>

  <xsd:element name="RouteRequest">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:crossRefIdentifier"/>
        <xsd:element ref="csta:routeRegisterReqID" minOccurs="0"/>
        <xsd:element name="currentRoute" type="csta:CalledDeviceID"/>
        <xsd:element ref="csta:callingDevice" minOccurs="0"/>
        <xsd:element name="routeingDevice" type="csta:SubjectDeviceID" minOccurs="0"/>
        <xsd:element name="routedCall" type="csta:ConnectionID" minOccurs="0"/>
        <xsd:element name="routeSelAlgorithm" type="csta:SelectValue" minOccurs="0"/>
        <xsd:element ref="csta:associatedCallingDevice" minOccurs="0"/>
        <xsd:element ref="csta:associatedCalledDevice" minOccurs="0"/>
        <xsd:element name="priority" type="xsd:boolean" minOccurs="0"/>
        <xsd:element name="replyTimeout" type="xsd:long" minOccurs="0"/>
        <xsd:element ref="csta:correlatorData" minOccurs="0"/>
        <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
        <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
        <xsd:element name="routeCallInfo" type="csta:ConnectionInformation" minOccurs="0"/>
```

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```
      <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
      <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
      <xsd:element ref="csta:messageInfo" minOccurs="0"/>
      <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
      <xsd:element ref="csta:deviceHistory" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:annotation>
  <xsd:documentation>There is no positive response to this request.</xsd:documentation>
 </xsd:annotation>

</xsd:schema>
```

18.2.5 Route select

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-route-select</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="RouteSelect">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:crossRefIdentifier"/>
    <xsd:element ref="csta:routeRegisterReqID" minOccurs="0"/>
    <xsd:element name="routeSelected" type="csta:DeviceID"/>
    <xsd:element name="alternateRoutes" type="csta:alternateRoutesRecord" minOccurs="0"/>
    <xsd:element name="remainRetries" type="csta:RetryValue" minOccurs="0"/>
    <xsd:element name="routeUsedReq" type="xsd:boolean" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:complexType name="alternateRoutesRecord">
  <xsd:sequence>
   <xsd:element name="deviceID" type="csta:DeviceID" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:annotation>
  <xsd:documentation>There is no positive response to this request.</xsd:documentation>
 </xsd:annotation>

</xsd:schema>
```

18.2.6 Route used

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
```

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```
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-route-used</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>

 <xsd:element name="RouteUsed">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:crossRefIdentifier"/>
    <xsd:element ref="csta:routeRegisterReqID" minOccurs="0"/>
    <xsd:element name="routeUsed" type="csta:CalledDeviceID"/>
    <xsd:element ref="csta:callingDevice" minOccurs="0"/>
    <xsd:element name="domain" type="xsd:boolean" minOccurs="0"/>
    <xsd:element ref="csta:correlatorData" minOccurs="0"/>
    <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:annotation>
  <xsd:documentation>There is no positive response to this request.</xsd:documentation>
 </xsd:annotation>

</xsd:schema>
```

19 Physical device features

19.1 Services

19.1.1 Button press

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-button-press</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="ButtonPress">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="button" type="csta:ButtonID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="ButtonPressResponse">
  <xsd:complexType>
```

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```
    <xsd:sequence>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.1.2 Get auditory apparatus information

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-auditory-apparatus-information</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="GetAuditoryApparatusInformation">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="auditorityApparatus" type="csta:AuditoryApparatusID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetAuditoryApparatusInformationResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="auditoryApparatusList" type="csta:AuditoryApparatusList"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.1.3 Get button information

```
<?xml version="1.0" encoding="UTF-8"?>

 <xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"
 xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
 elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
   <xsd:documentation>CSTA-get-button-information</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="device-identifiers.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="physical-device-features.xsd"/>

  <xsd:element name="GetButtonInformation">
   <xsd:complexType>
    <xsd:sequence>
     <xsd:element name="device" type="csta:DeviceID"/>
```

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```
      <xsd:element name="button" type="csta:ButtonID" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetButtonInformationResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="buttonList" type="csta:ButtonList"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="ButtonList">
  <xsd:sequence>
    <xsd:element name="buttonItem" type="csta:ButtonItem" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ButtonItem">
  <xsd:sequence>
    <xsd:element name="button" type="csta:ButtonID"/>
    <xsd:element name="buttonLabel" type="xsd:string" minOccurs="0"/>
    <xsd:element name="buttonLabelSettable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="buttonFunction" type="xsd:string" minOccurs="0"/>
    <xsd:element name="buttonAssociatedNumber" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element name="buttonAssociatedNumberSettable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="buttonPressIndicator" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampList" type="csta:LampIDList" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="LampIDList">
  <xsd:sequence>
    <xsd:element name="lampID" type="csta:LampID" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

</xsd:schema>
```

19.1.4 Get display

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-get-display</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="device-identifiers.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="physical-device-features.xsd"/>

  <xsd:element name="GetDisplay">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="device" type="csta:DeviceID"/>
        <xsd:element name="display" type="csta:DisplayID" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
```

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```
</xsd:element>

<xsd:element name="GetDisplayResponse">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="displayList" type="csta:DisplayList"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:complexType name="DisplayList">
 <xsd:sequence>
  <xsd:element name="displayListItem" type="csta:DisplayListItem" minOccurs="0"
  maxOccurs="unbounded"/>
 </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="DisplayListItem">
 <xsd:sequence>
  <xsd:element name="displayID" type="csta:DisplayID"/>
  <xsd:element name="logicalRows" type="xsd:long"/>
  <xsd:element name="logicalColumns" type="xsd:long"/>
  <xsd:element name="physicalRows" type="xsd:long" minOccurs="0"/>
  <xsd:element name="physicalColumns" type="xsd:long" minOccurs="0"/>
  <xsd:element name="physicalBaseRowNumber" type="xsd:long" minOccurs="0"/>
  <xsd:element name="physicalBaseColumnNumber" type="xsd:long" minOccurs="0"/>
  <xsd:element name="characterSet" type="csta:CharacterSet" minOccurs="0"/>
  <xsd:element name="contentsOfDisplay" type="xsd:string"/>
 </xsd:sequence>
</xsd:complexType>

</xsd:schema>
```

19.1.5 Get hookswitch status

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-hookswitch-status</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="GetHookswitchStatus">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="hookswitch" type="csta:HookswitchID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetHookswitchStatusResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="hookswitchStatusList" type="csta:HookswitchStatusList"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
```

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```
  </xsd:complexType>
 </xsd:element>

 <xsd:complexType name="HookswitchStatusList">
  <xsd:sequence>
   <xsd:element name="hookswitchStatusItem" type="csta:HookswitchStatusItem" minOccurs="0"
   maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="HookswitchStatusItem">
  <xsd:sequence>
   <xsd:element name="hookswitch" type="csta:HookswitchID"/>
   <xsd:element name="hookswitchOnHook" type="xsd:boolean"/>
  </xsd:sequence>
 </xsd:complexType>

</xsd:schema>
```

19.1.6 Get lamp information

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-lamp-information</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="GetLampInformation">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="lamp" type="csta:LampID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetLampInformationResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="lampList" type="csta:LampList"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:complexType name="LampList">
  <xsd:sequence>
   <xsd:element name="lampItem" type="csta:LampItem" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="LampItem">
  <xsd:sequence>
   <xsd:element name="lamp" type="csta:LampID"/>
   <xsd:element name="lampLabel" type="xsd:string" minOccurs="0"/>
   <xsd:element name="button" type="csta:ButtonID" minOccurs="0"/>
   <xsd:element name="lampColor" type="csta:LampColor" minOccurs="0"/>
```

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```
  </xsd:sequence>
 </xsd:complexType>

</xsd:schema>
```

19.1.7 Get lamp mode

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-lamp-mode</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="GetLampMode">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="lamp" type="csta:LampID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetLampModeResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="lampModeList" type="csta:LampModeList"/>
    <xsd:element name="lamp" type="csta:LampID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:complexType name="LampModeList">
  <xsd:sequence>
   <xsd:element name="lampModeItem" type="csta:LampModeItem" minOccurs="0"
   maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="LampModeItem">
  <xsd:sequence>
   <xsd:element name="lamp" type="csta:LampID"/>
   <xsd:element name="lampMode" type="csta:LampMode"/>
   <xsd:element name="lampBrightness" type="csta:LampBrightness" minOccurs="0"/>
   <xsd:element name="lampColor" type="csta:LampColor" minOccurs="0"/>
   <xsd:element name="button" type="csta:ButtonID" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

</xsd:schema>
```

19.1.8 Get message waiting indicator

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
```

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```
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-message-waiting-indicator</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="GetMessageWaitingIndicator">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetMessageWaitingIndicatorResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="messageWaitingOn" type="xsd:boolean"/>
    <xsd:element name="deviceForMessage" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element name="lampIsPresent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.1.9 Get microphone gain

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-microphone-gain</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="GetMicrophoneGain">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetMicrophoneGainResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="microphoneGainList" type="csta:MicrophoneGainList"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>
```

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```
 <xsd:complexType name="MicrophoneGainList">
  <xsd:sequence>
   <xsd:element name="microphoneGainItem" type="csta:MicrophoneGainItem" minOccurs="0"
   maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="MicrophoneGainItem">
  <xsd:sequence>
   <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
   <xsd:element name="micGainAbs" type="csta:MicGainAbs" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>

</xsd:schema>
```

19.1.10 Get microphone mute

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-microphone-mute</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="GetMicrophoneMute">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetMicrophoneMuteResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="microphoneMuteList" type="csta:MicrophoneMuteList"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:complexType name="MicrophoneMuteList">
  <xsd:sequence>
   <xsd:element name="microphoneMuteItem" type="csta:MicrophoneMuteItem" minOccurs="0"
   maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="MicrophoneMuteItem">
  <xsd:sequence>
   <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
   <xsd:element name="microphoneMuteOn" type="xsd:boolean"/>
  </xsd:sequence>
 </xsd:complexType>

</xsd:schema>
```

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19.1.11 Get ringer status

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-ringer-status</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="GetRingerStatus">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="ringer" type="csta:RingerID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetRingerStatusResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="ringerStatusList" type="csta:RingerStatusList"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:complexType name="RingerStatusList">
  <xsd:sequence>
   <xsd:element name="ringerStatusItem" type="csta:RingerStatusItem" minOccurs="0"
   maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="RingerStatusItem">
  <xsd:sequence>
   <xsd:element name="ringer" type="csta:RingerID"/>
   <xsd:element name="ringMode" type="csta:RingMode"/>
   <xsd:element name="ringCount" minOccurs="0">
    <xsd:simpleType>
     <xsd:restriction base="xsd:integer">
      <xsd:minInclusive value="0"/>
      <xsd:maxInclusive value="1000"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
   <xsd:element name="ringDuration" type="xsd:integer" minOccurs="0"/>
   <xsd:element name="ringPattern" type="xsd:long" minOccurs="0"/>
   <xsd:element name="ringVolAbs" minOccurs="0">
    <xsd:simpleType>
     <xsd:restriction base="xsd:integer">
      <xsd:minInclusive value="0"/>
      <xsd:maxInclusive value="100"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
  </xsd:sequence>
 </xsd:complexType>
</xsd:schema>
```

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19.1.12 Get speaker mute

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-speaker-mute</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="GetSpeakerMute">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetSpeakerMuteResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="speakerMuteList" type="csta:SpeakerMuteList"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:complexType name="SpeakerMuteList">
  <xsd:sequence>
   <xsd:element name="speakerMuteItem" type="csta:SpeakerMuteItem" minOccurs="0"
   maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>

 <xsd:complexType name="SpeakerMuteItem">
  <xsd:sequence>
   <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
   <xsd:element name="speakerMuteOn" type="xsd:boolean"/>
  </xsd:sequence>
 </xsd:complexType>

</xsd:schema>
```

19.1.13 Get speaker volume

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-speaker-volume</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
```

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```
<xsd:include schemaLocation="physical-device-features.xsd"/>

<xsd:element name="GetSpeakerVolume">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="device" type="csta:DeviceID"/>
      <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetSpeakerVolumeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="speakerVolumeList" type="csta:SpeakerVolumeList"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="SpeakerVolumeList">
  <xsd:sequence>
    <xsd:element name="speakerVolumeItem" type="csta:SpeakerVolumeItem" minOccurs="0"
    maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="SpeakerVolumeItem">
  <xsd:sequence>
    <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
    <xsd:element name="speakerVolAbs" type="csta:VolAbs" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

</xsd:schema>
```

19.1.14 Set button information

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
   <xsd:documentation>CSTA-set-button-information</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="SetButtonInformation">
   <xsd:complexType>
     <xsd:sequence>
       <xsd:element name="device" type="csta:DeviceID"/>
       <xsd:element name="button" type="csta:ButtonID"/>
       <xsd:element name="buttonLabel" minOccurs="0">
         <xsd:simpleType>
           <xsd:restriction base="xsd:string">
             <xsd:minLength value="0"/>
           </xsd:restriction>
         </xsd:simpleType>
       </xsd:element>
       <xsd:element name="buttonAssociatedNumber" type="csta:DeviceID" minOccurs="0"/>
```

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```
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetButtonInformationResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.1.15 Set display

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-display</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="SetDisplay">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="display" type="csta:DisplayID" minOccurs="0"/>
    <xsd:element name="physicalBaseRowNumber" type="xsd:long" minOccurs="0"/>
    <xsd:element name="physicalBaseColumnNumber" type="xsd:long" minOccurs="0"/>
    <xsd:element name="contentsOfDisplay">
     <xsd:simpleType>
      <xsd:restriction base="xsd:string">
       <xsd:minLength value="0"/>
      </xsd:restriction>
     </xsd:simpleType>
    </xsd:element>
    <xsd:element name="offset" type="xsd:long" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetDisplayResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.1.16 Set hookswitch status

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
```

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```
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-hookswitch-status</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="SetHookswitchStatus">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="hookswitch" type="csta:HookswitchID"/>
    <xsd:element name="hookswitchOnhook" type="xsd:boolean"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetHookswitchStatusResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.1.17 Set lamp mode

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-lamp-mode</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="SetLampMode">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="lamp" type="csta:LampID"/>
    <xsd:element name="LampMode" type="csta:LampMode"/>
    <xsd:element name="lampBrightness" type="csta:LampBrightness" minOccurs="0"/>
    <xsd:element name="lampColor" type="csta:LampColor" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetLampModeResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
```

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```
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.1.18 Set message waiting indicator

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-message-waiting-indicator</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="SetMessageWaitingIndicator">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="messageWaitingOn" type="xsd:boolean"/>
    <xsd:element name="deviceForMessage" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetMessageWaitingIndicatorResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.1.19 Set microphone gain

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-microphone-gain</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="SetMicrophoneGain">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
    <xsd:element name="microphoneGain" type="csta:MicrophoneGain"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
```

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```
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetMicrophoneGainResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.1.20 Set microphone mute

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-microphone-mute</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="SetMicrophoneMute">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
    <xsd:element name="microphoneMuteOn" type="xsd:boolean"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetMicrophoneMuteResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.1.21 Set ringer status

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-ringer-status</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
```

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```
<xsd:include schemaLocation="physical-device-features.xsd"/>

<xsd:element name="SetRingerStatus">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="device" type="csta:DeviceID"/>
   <xsd:element name="ringer" type="csta:RingerID"/>
   <xsd:element name="ringMode" type="csta:RingMode" minOccurs="0"/>
   <xsd:element name="ringPattern" type="xsd:long" minOccurs="0"/>
   <xsd:element name="ringVolume" type="csta:Volume" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:element name="SetRingerStatusResponse">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

19.1.22 Set speaker mute

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-speaker-mute</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="SetSpeakerMute">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
    <xsd:element name="speakerMuteOn" type="xsd:boolean"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetSpeakerMuteResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.1.23 Set speaker volume

```
<?xml version="1.0" encoding="UTF-8"?>
```

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```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-speaker-volume</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="SetSpeakerVolume">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
    <xsd:element name="speakerVolume" type="csta:Volume"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetSpeakerVolumeResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.2 Events

19.2.1 Button information

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-button-information-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="ButtonInformationEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="device" type="csta:SubjectDeviceID"/>
    <xsd:element name="button" type="csta:ButtonID"/>
    <xsd:element name="buttonLabel" minOccurs="0">
     <xsd:simpleType>
      <xsd:restriction base="xsd:string">
       <xsd:minlength value="0"/>
      </xsd:restriction>
     </xsd:simpleType>
    </xsd:element>
```

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```
      <xsd:element name="buttonAssociatedNumber" type="csta:DeviceID" minOccurs="0"/>
      <xsd:element name="buttonPressIndicator" type="xsd:boolean" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.2.2 Button press

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-button-press-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="ButtonPressEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="device" type="csta:SubjectDeviceID"/>
    <xsd:element name="button" type="csta:ButtonID"/>
    <xsd:element name="buttonLabel" minOccurs="0">
     <xsd:simpleType>
      <xsd:restriction base="xsd:string">
       <xsd:minLength value="0"/>
      </xsd:restriction>
     </xsd:simpleType>
    </xsd:element>
    <xsd:element name="buttonAssociatedNumber" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.2.3 Display updated

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-display-updated-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="DisplayUpdatedEvent">
```

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```
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="device" type="csta:SubjectDeviceID"/>
    <xsd:element name="displayID" type="csta:DisplayID" minOccurs="0"/>
    <xsd:element name="logicalRows" type="xsd:long"/>
    <xsd:element name="logicalColumns" type="xsd:long"/>
    <xsd:element name="physicalRows" type="xsd:long" minOccurs="0"/>
    <xsd:element name="physicalColumns" type="xsd:long" minOccurs="0"/>
    <xsd:element name="physicalBaseRowNumber" type="xsd:long" minOccurs="0"/>
    <xsd:element name="physicalBaseColumnNumber" type="xsd:long" minOccurs="0"/>
    <xsd:element name="characterSet" type="csta:CharacterSet" minOccurs="0"/>
    <xsd:element name="contentsOfDisplay" type="xsd:string"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.2.4 Hookswitch

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-hookswitch-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="HookswitchEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="device" type="csta:SubjectDeviceID"/>
    <xsd:element name="hookswitch" type="csta:HookswitchID"/>
    <xsd:element name="hookswitchOnHook" type="xsd:boolean"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.2.5 Lamp mode

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-lamp-mode-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
```

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```
<xsd:include schemaLocation="physical-device-features.xsd"/>
<xsd:include schemaLocation="status-reporting.xsd"/>

<xsd:element name="LampModeEvent">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="csta:monitorCrossRefID"/>
   <xsd:element name="device" type="csta:SubjectDeviceID"/>
   <xsd:element name="lamp" type="csta:LampID"/>
   <xsd:element name="lampLabel" minOccurs="0">
    <xsd:simpleType>
     <xsd:restriction base="xsd:string">
      <xsd:minLength value="0"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
   <xsd:element name="lampMode" type="csta:LampMode"/>
   <xsd:element name="lampBrightness" type="csta:LampBrightness" minOccurs="0"/>
   <xsd:element name="lampColor" type="csta:LampColor" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

19.2.6 Message waiting

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-message-waiting-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="MessageWaitingEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="targetDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="deviceForMessage" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element name="messageWaitingOn" type="xsd:boolean"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.2.7 Microphone gain

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
```

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```
  <xsd:documentation>CSTA-microphone-gain-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="MicrophoneGainEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="invokingDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
    <xsd:element name="microphoneGain" type="csta:MicrophoneGain"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.2.8 Microphone mute

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-microphone-mute-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="MicrophoneMuteEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="invokingDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
    <xsd:element name="microphoneMuteOn" type="xsd:boolean"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.2.9 Ringer status

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-ringer-status-event</xsd:documentation>
 </xsd:annotation>
```

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```
<xsd:include schemaLocation="device-identifiers.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>
<xsd:include schemaLocation="physical-device-features.xsd"/>
<xsd:include schemaLocation="status-reporting.xsd"/>

<xsd:element name="RingerStatusEvent">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="csta:monitorCrossRefID"/>
   <xsd:element name="device" type="csta:SubjectDeviceID"/>
   <xsd:element name="ringer" type="csta:RingerID"/>
   <xsd:element name="ringMode" type="csta:RingMode"/>
   <xsd:element name="ringCount" minOccurs="0">
    <xsd:simpleType>
     <xsd:restriction base="xsd:integer">
      <xsd:minInclusive value="0"/>
      <xsd:maxInclusive value="1000"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
   <xsd:element name="ringDuration" type="xsd:integer" minOccurs="0"/>
   <xsd:element name="ringPattern" type="xsd:long" minOccurs="0"/>
   <xsd:element name="ringVolume" type="csta:Volume" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

19.2.10 Speaker mute

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-speaker-mute-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="SpeakerMuteEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="invokingDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
    <xsd:element name="speakerMuteOn" type="xsd:boolean"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

19.2.11 Speaker volume

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
```

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```
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-speaker-volume-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="SpeakerVolumeEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="invokingDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
    <xsd:element name="speakerVolume" type="csta:Volume"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20 Logical device features

20.1 Services

20.1.1 Call back non-call-related

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-call-back-non-call-related</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="CallBackNonCallRelated">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="originatingDevice" type="csta:DeviceID"/>
    <xsd:element name="targetDevice" type="csta:DeviceID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="CallBackNonCallRelatedResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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20.1.2 Call back message non-call-related

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-call-back-message-non-call-related</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="CallBackMessageNonCallRelated">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="originatingDevice" type="csta:DeviceID"/>
    <xsd:element name="targetDevice" type="csta:DeviceID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="CallBackMessageNonCallRelatedResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.1.3 Cancel call back

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-cancel-call-back</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="CancelCallBack">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="originatingDevice" type="csta:DeviceID"/>
    <xsd:element name="targetDevice" type="csta:DeviceID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="CancelCallBackResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
```

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```
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.1.4 Cancel call back message

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-cancel-call-back-message</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="CancelCallBackMessage">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="originatingDevice" type="csta:DeviceID"/>
    <xsd:element name="targetDevice" type="csta:DeviceID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="CancelCallBackMessageResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.1.5 Get agent state

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-agent-state</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="GetAgentState">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="acdGroup" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>
```

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```
<xsd:element name="GetAgentStateResponse">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="agentStateList" type="csta:AgentStateList"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:complexType name="AgentStateList">
 <xsd:sequence>
  <xsd:element name="agentStateEntry" type="csta:AgentStateEntry" maxOccurs="32"/>
 </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="AgentStateEntry">
 <xsd:sequence>
  <xsd:element name="agentID" type="csta:AgentID" minOccurs="0"/>
  <xsd:element name="loggedOnState" type="xsd:boolean"/>
  <xsd:element name="agentInfo" minOccurs="0">
   <xsd:complexType>
    <xsd:sequence>
     <xsd:element name="agentInfoItem" type="csta:AgentInfo" minOccurs="0"
     maxOccurs="unbounded"/>
    </xsd:sequence>
   </xsd:complexType>
  </xsd:element>
 </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="AgentInfo">
 <xsd:sequence>
  <xsd:element name="acdGroup" type="csta:DeviceID" minOccurs="0"/>
  <xsd:element name="agentState" type="csta:AgentState"/>
  <xsd:element name="pendingAgentState" type="csta:PendingAgentState" minOccurs="0"/>
  <xsd:element name="agentStateCondition" type="csta:AgentStateCondition" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>

<xsd:simpleType name="AgentStateCondition">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="forcedPause"/>
  <xsd:enumeration value="other"/>
 </xsd:restriction>
</xsd:simpleType>

</xsd:schema>
```

20.1.6 Get auto answer

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-auto-answer</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="GetAutoAnswer">
  <xsd:complexType>
```

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```
    <xsd:sequence>
      <xsd:element name="device" type="csta:DeviceID"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetAutoAnswerResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="autoAnswerOn" type="xsd:boolean"/>
      <xsd:element name="numberOfRings" type="xsd:long" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>
```

20.1.7 Get auto work mode

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-get-auto-work-mode</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="device-identifiers.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>

  <xsd:element name="GetAutoWorkMode">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="device" type="csta:DeviceID"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GetAutoWorkModeResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="autoWorkOn" type="xsd:boolean"/>
        <xsd:element name="autoWorkInterval" type="xsd:long" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

20.1.8 Get call back

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-get-call-back</xsd:documentation>
```

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```
</xsd:annotation>

<xsd:include schemaLocation="device-identifiers.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>

<xsd:element name="GetCallBack">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="device" type="csta:DeviceID"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:element name="GetCallBackResponse">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="callBackList" type="csta:CallBackList" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:complexType name="CallBackList">
 <xsd:sequence>
  <xsd:element name="callBackListItem" type="csta:CallBackListItem" minOccurs="0" maxOccurs="unbounded"/>
 </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="CallBackListItem">
 <xsd:sequence>
  <xsd:element name="originatingDevice" type="csta:DeviceID"/>
  <xsd:element name="targetDevice" type="csta:DeviceID"/>
  <xsd:element name="callBackMessageIndicator" type="xsd:boolean" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>

</xsd:schema>
```

20.1.9 Get caller id status

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-caller-id-status</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="GetCallerIDStatus">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetCallerIDStatusResponse">
  <xsd:complexType>
   <xsd:sequence>
```

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```
      <xsd:element name="callerIDProvided" type="xsd:boolean"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.1.10 Get do not disturb

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-do-not-disturb</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="GetDoNotDisturb">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetDoNotDisturbResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="doNotDisturbOn" type="xsd:boolean"/>
    <xsd:element name="callOrigination" type="csta:CallOrigination" minOccurs="0"/>
    <xsd:element name="callingDeviceList" minOccurs="0">
     <xsd:complexType>
      <xsd:sequence>
       <xsd:element name="callingDevice" type="csta:DeviceID" minOccurs="0"
       maxOccurs="unbounded"/>
      </xsd:sequence>
     </xsd:complexType>
    </xsd:element>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.1.11 Get forwarding

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-forwarding</xsd:documentation>
 </xsd:annotation>
```

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```
<xsd:include schemaLocation="device-identifiers.xsd"/>
<xsd:include schemaLocation="device-feature-types.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>

<xsd:element name="GetForwarding">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="device" type="csta:DeviceID"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:element name="GetForwardingResponse">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="forwardingList" type="csta:ForwardList"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

20.1.12 Get last number dialed

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-last-number-dialed</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="GetLastNumberDialed">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetLastNumberDialedResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="numberDialed" type="csta:DeviceID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.1.13 Get routeing mode

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
```

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```
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-get-routeing-mode</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="GetRouteingMode">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="GetRouteingModeResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="routeingMode" type="xsd:boolean"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.1.14 Set agent state

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-agent-state</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="SetAgentState">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="requestedAgentState" type="csta:ReqAgentState"/>
    <xsd:element name="agentID" type="csta:AgentID" minOccurs="0"/>
    <xsd:element name="password" type="csta:AgentPassword" minOccurs="0"/>
    <xsd:element name="group" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetAgentStateResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="pendingAgentState" type="csta:PendingAgentState" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>
```

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```
 <xsd:simpleType name="ReqAgentState">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="loggedOn"/>
    <xsd:enumeration value="loggedOff"/>
    <xsd:enumeration value="notReady"/>
    <xsd:enumeration value="ready"/>
    <xsd:enumeration value="workingAfterCall"/>
  </xsd:restriction>
 </xsd:simpleType>

</xsd:schema>
```

20.1.15 Set auto answer

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-auto-answer</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="SetAutoAnswer">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="device" type="csta:DeviceID"/>
      <xsd:element name="autoAnswerOn" type="xsd:boolean"/>
      <xsd:element name="numberOfRings" type="xsd:long" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetAutoAnswerResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.1.16 Set auto work mode

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-auto-work-mode</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="SetAutoWorkMode">
```

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```
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="autoWorkOn" type="xsd:boolean"/>
    <xsd:element name="autoWorkInterval" type="xsd:long" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetAutoWorkModeResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.1.17 Set caller id status

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-caller-id-status</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="SetCallerIDStatus">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="callerIDProvided" type="xsd:boolean"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetCallerIDStatusResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.1.18 Set do not disturb

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-do-not-disturb</xsd:documentation>
```

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```
</xsd:annotation>

<xsd:include schemaLocation="device-identifiers.xsd"/>
<xsd:include schemaLocation="device-feature-types.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>

<xsd:element name="SetDoNotDisturb">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="device" type="csta:DeviceID"/>
   <xsd:element name="doNotDisturbOn" type="xsd:boolean"/>
   <xsd:element name="callOrigination" type="csta:CallOrigination" minOccurs="0"/>
   <xsd:element name="callingDeviceList" minOccurs="0">
    <xsd:complexType>
     <xsd:sequence>
      <xsd:element name="callingDevice" type="csta:DeviceID" minOccurs="0"
      maxOccurs="unbounded"/>
     </xsd:sequence>
    </xsd:complexType>
   </xsd:element>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>
<xsd:element name="SetDoNotDisturbResponse">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

20.1.19 Set forwarding

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-forwarding</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="SetForwarding">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="forwardingType" type="csta:ForwardingType" minOccurs="0"/>
    <xsd:element name="activateForward" type="xsd:boolean"/>
    <xsd:element name="forwardDN" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element name="ringCount" minOccurs="0">
     <xsd:simpleType>
      <xsd:restriction base="xsd:long">
       <xsd:minInclusive value="1"/>
       <xsd:maxInclusive value="100"/>
      </xsd:restriction>
     </xsd:simpleType>
    </xsd:element>
    <xsd:element name="ringDuration" type="xsd:integer" minOccurs="0"/>
```

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```
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetForwardingResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.1.20 Set routeing mode

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-routeing-mode</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="SetRouteingMode">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="routeingMode" type="xsd:boolean"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetRouteingModeResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.2 Events

20.2.1 Agent busy

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-agent-busy-event</xsd:documentation>
 </xsd:annotation>
```

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```
<xsd:include schemaLocation="event-cause.xsd"/>
<xsd:include schemaLocation="device-identifiers.xsd"/>
<xsd:include schemaLocation="status-reporting.xsd"/>
<xsd:include schemaLocation="device-feature-types.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>

<xsd:element name="AgentBusyEvent">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="csta:monitorCrossRefID"/>
   <xsd:element name="agentDevice" type="csta:SubjectDeviceID"/>
   <xsd:element name="agentID" type="csta:AgentID" minOccurs="0"/>
   <xsd:element name="acdGroup" type="csta:DeviceID" minOccurs="0"/>
   <xsd:element name="pendingAgentState" type="csta:PendingAgentState" minOccurs="0"/>
   <xsd:element ref="csta:cause" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

20.2.2 Agent logged off

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-agent-logged-off-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="AgentLoggedOffEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="agentDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="agentID" type="csta:AgentID" minOccurs="0"/>
    <xsd:element name="acdGroup" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element name="agentPassword" type="csta:AgentPassword" minOccurs="0"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.2.3 Agent logged on

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
```

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```
  <xsd:documentation>CSTA-agent-logged-on-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="AgentLoggedOnEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="agentDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="agentID" type="csta:AgentID" minOccurs="0"/>
    <xsd:element name="acdGroup" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element name="agentPassword" type="csta:AgentPassword" minOccurs="0"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.2.4 Agent not ready

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-agent-not-ready-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="AgentNotReadyEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="agentDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="agentID" type="csta:AgentID" minOccurs="0"/>
    <xsd:element name="acdGroup" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.2.5 Agent ready

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

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```
<xsd:annotation>
  <xsd:documentation>CSTA-agent-ready-event</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="event-cause.xsd"/>
<xsd:include schemaLocation="device-identifiers.xsd"/>
<xsd:include schemaLocation="status-reporting.xsd"/>
<xsd:include schemaLocation="device-feature-types.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>

<xsd:element name="AgentReadyEvent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:monitorCrossRefID"/>
      <xsd:element name="agentDevice" type="csta:SubjectDeviceID"/>
      <xsd:element name="agentID" type="csta:AgentID" minOccurs="0"/>
      <xsd:element name="acdGroup" type="csta:DeviceID" minOccurs="0"/>
      <xsd:element ref="csta:cause" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>
```

20.2.6 Agent working after call

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-agent-working-after-call-event</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="event-cause.xsd"/>
  <xsd:include schemaLocation="device-identifiers.xsd"/>
  <xsd:include schemaLocation="status-reporting.xsd"/>
  <xsd:include schemaLocation="device-feature-types.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>

  <xsd:element name="AgentWorkingAfterCallEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="agentDevice" type="csta:SubjectDeviceID"/>
        <xsd:element name="agentID" type="csta:AgentID" minOccurs="0"/>
        <xsd:element name="acdGroup" type="csta:DeviceID" minOccurs="0"/>
        <xsd:element name="pendingAgentState" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:enumeration value="notReady"/>
              <xsd:enumeration value="ready"/>
              <xsd:enumeration value="null"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <xsd:element ref="csta:cause" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

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20.2.7 Auto answer

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-auto-answer-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="AutoAnswerEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="invokingDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="autoAnswerOn" type="xsd:boolean"/>
    <xsd:element name="numberOfRings" type="xsd:long" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.2.8 Auto work mode

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-auto-work-mode-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="AutoWorkModeEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="invokingDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="autoWorkOn" type="xsd:boolean"/>
    <xsd:element name="autoWorkInterval" type="xsd:long"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.2.9 Call back

```
<?xml version="1.0" encoding="UTF-8"?>
```

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```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-call-back-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="CallBackEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="originatingDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="targetDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="callBackSetCanceled" type="xsd:boolean"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.2.10 Call back message

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-call-back-message-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="CallBackMessageEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="originatingDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="targetDevice" type="csta:SubjectDeviceID"/>
    <xsd:element name="callBackMsgSetCanceled" type="xsd:boolean"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.2.11 Caller id status

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

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```
  <xsd:annotation>
    <xsd:documentation>CSTA-caller-id-status-event</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="device-identifiers.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="status-reporting.xsd"/>

  <xsd:element name="CallerIDStatusEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="device" type="csta:DeviceID"/>
        <xsd:element name="callerIDProvided" type="xsd:boolean"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

20.2.12 Do not disturb

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-do-not-disturb-event</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="device-identifiers.xsd"/>
  <xsd:include schemaLocation="status-reporting.xsd"/>
  <xsd:include schemaLocation="device-feature-types.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>

  <xsd:element name="DoNotDisturbEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="device" type="csta:SubjectDeviceID"/>
        <xsd:element name="doNotDisturbOn" type="xsd:boolean"/>
        <xsd:element name="callOrigination" type="csta:CallOrigination" minOccurs="0"/>
        <xsd:element name="callingDeviceList" minOccurs="0">
          <xsd:complexType>
            <xsd:sequence>
              <xsd:element name="callingDevice" type="csta:DeviceID" minOccurs="0"
              maxOccurs="unbounded"/>
            </xsd:sequence>
          </xsd:complexType>
        </xsd:element>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

20.2.13 Forwarding

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
```

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```
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-forwarding-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="ForwardingEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="device" type="csta:SubjectDeviceID"/>
    <xsd:element name="forwardingType" type="csta:ForwardingType" minOccurs="0"/>
    <xsd:element name="forwardStatus" type="xsd:boolean"/>
    <xsd:element name="forwardTo" type="csta:DeviceID" minOccurs="0"/>
    <xsd:element name="forwardDefault" type="csta:ForwardDefault" minOccurs="0"/>
    <xsd:element name="ringCount" minOccurs="0">
     <xsd:simpleType>
      <xsd:restriction base="xsd:short">
       <xsd:minInclusive value="1"/>
       <xsd:maxInclusive value="100"/>
      </xsd:restriction>
     </xsd:simpleType>
    </xsd:element>
    <xsd:element name="ringDuration" type="xsd:integer" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

20.2.14 Routeing mode

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-routeing-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="RouteingEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="device" type="csta:SubjectDeviceID"/>
    <xsd:element name="routeingMode" type="xsd:boolean"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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21 Device maintenance events

21.1 Events

21.1.1 Back in service

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-back-in-service-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="BackInServiceEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="device" type="csta:SubjectDeviceID"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

21.1.2 Device capabilities changed

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-device-capabilities-changed-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="DeviceCapsChangedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="device" type="csta:SubjectDeviceID"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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21.1.3 Out of service

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-out-of-service-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="OutOfServiceEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="device" type="csta:SubjectDeviceID"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

21.1.4 Partially In service

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-partially-in-service-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="PartiallyInServiceEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="device" type="csta:SubjectDeviceID"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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22 I/O services

22.1 Registration services

22.1.1 I/O register

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-io-register</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="IORegister">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="ioDevice" type="csta:DeviceID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="IORegisterResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="ioRegisterRequestID" type="csta:IORegisterReqID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

22.1.2 I/O register abort

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-io-register-abort</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="IORegisterAbort">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="ioRegisterRequestID" type="csta:IORegisterReqID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>
```

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```
 <xsd:annotation>
  <xsd:documentation>There is no positive response to this request.</xsd:documentation>
 </xsd:annotation>

</xsd:schema>
```

22.1.3 I/O register cancel

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-io-register-cancel</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="IORegisterCancel">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="ioRegisterRequestID" type="csta:IORegisterReqID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="IORegisterCancelResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

22.2 Services

22.2.1 Data path resumed

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-data-path-resumed</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="DataPathResumed">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="ioCrossRefID" type="csta:IOCrossRefID"/>
    <xsd:element name="ioRegisterRequestID" type="csta:IORegisterReqID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
```

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```
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="DataPathResumedResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

22.2.2 Data path suspended

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-data-path-suspended</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="DataPathSuspended">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="ioCrossRefID" type="csta:IOCrossRefID"/>
    <xsd:element name="ioRegisterRequestID" type="csta:IORegisterReqID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="DataPathSuspendedResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

22.2.3 Fast data

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-fast-data</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="switching-function-objects.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>
```

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```
<xsd:element name="FastData">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="ioRegisterReqID" type="csta:IORegisterReqID" minOccurs="0"/>
   <xsd:element name="object" type="csta:CSTAObject"/>
   <xsd:element name="dataPathType" type="csta:DataPathType" minOccurs="0"/>
   <xsd:element name="displayAttribute" type="csta:DisplayAttribute" minOccurs="0"/>
   <xsd:element name="ioData">
    <xsd:simpleType>
     <xsd:restriction base="xsd:hexBinary">
      <xsd:minLength value="0"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:element name="FastDataResponse">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:complexType name="DisplayAttribute">
 <xsd:sequence>
  <xsd:element name="displayID" type="csta:DisplayID" minOccurs="0"/>
  <xsd:element name="physicalBaseRowNumber" type="xsd:long" minOccurs="0"/>
  <xsd:element name="physicalBaseColumnNumber" type="xsd:long" minOccurs="0"/>
  <xsd:element name="offset" type="xsd:long" minOccurs="0"/>
 </xsd:sequence>
</xsd:complexType>

</xsd:schema>
```

22.2.4 Resume data path

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-resume-data-path</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="ResumeDataPath">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="ioCrossRefID" type="csta:IOCrossRefID"/>
    <xsd:element name="ioRegisterRequestID" type="csta:IORegisterReqID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="ResumeDataPathResponse">
  <xsd:complexType>
```

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```
    <xsd:sequence>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

22.2.5 Send broadcast data

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-send-broadcast-data</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="SendBroadcastData">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="ioData">
     <xsd:simpleType>
      <xsd:restriction base="xsd:hexBinary">
       <xsd:minLength value="0"/>
      </xsd:restriction>
     </xsd:simpleType>
    </xsd:element>
    <xsd:element name="dataPathType" type="csta:DataPathType" minOccurs="0"/>
    <xsd:element name="displayAttributes" type="csta:DisplayAttributeList" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SendBroadcastDataResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

22.2.6 Send data

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-send-data</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
```

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```
<xsd:element name="SendData">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="ioCrossRefID" type="csta:IOCrossRefID"/>
   <xsd:element name="ioRegisterReqID" type="csta:IORegisterReqID" minOccurs="0"/>
   <xsd:element name="displayAttributes" type="csta:DisplayAttributeList" minOccurs="0"/>
   <xsd:element name="ioData">
    <xsd:simpleType>
     <xsd:restriction base="xsd:hexBinary">
      <xsd:minLength value="0"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
   <xsd:element name="ioCause" type="csta:EventCause" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:element name="SendDataResponse">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

22.2.7 Send multicast data

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-send-multicast-data</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="SendMulticastData">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="ioCrossRefIDList">
     <xsd:complexType>
      <xsd:sequence>
       <xsd:element name="ioCrossRefID" type="csta:IOCrossRefID" minOccurs="0"
       maxOccurs="unbounded"/>
      </xsd:sequence>
     </xsd:complexType>
    </xsd:element>
    <xsd:element name="ioData" minOccurs="0">
     <xsd:simpleType>
      <xsd:restriction base="xsd:hexBinary">
       <xsd:minLength value="0"/>
      </xsd:restriction>
     </xsd:simpleType>
    </xsd:element>
    <xsd:element name="displayAttributes" type="csta:DisplayAttributeList" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
```

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```
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SendMulticastDataResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

22.2.8 Start data path

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-start-data-path</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="switching-function-objects.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="StartDataPath">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="ioRegisterReqID" type="csta:IORegisterReqID" minOccurs="0"/>
    <xsd:element name="object" type="csta:CSTAObject"/>
    <xsd:element name="dataPathDirection" type="csta:DataPathDirection" minOccurs="0"/>
    <xsd:element name="dataPathType" type="csta:DataPathType" minOccurs="0"/>
    <xsd:element name="displayID" type="csta:DisplayID" minOccurs="0"/>
    <xsd:element name="numberOfCharactersToCollect" type="xsd:long" minOccurs="0"/>
    <xsd:element name="terminationCharacter" minOccurs="0">
     <xsd:simpleType>
      <xsd:restriction base="xsd:string">
       <xsd:length value="1"/>
      </xsd:restriction>
     </xsd:simpleType>
    </xsd:element>
    <xsd:element name="timeout" type="xsd:long" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="StartDataPathResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="ioCrossRefID" type="csta:IOCrossRefID"/>
    <xsd:element name="numberOfCharactersToCollect" type="xsd:long" minOccurs="0"/>
    <xsd:element name="terminationCharacter" minOccurs="0">
     <xsd:simpleType>
      <xsd:restriction base="xsd:string">
       <xsd:length value="1"/>
      </xsd:restriction>
     </xsd:simpleType>
    </xsd:element>
    <xsd:element name="timeout" type="xsd:long" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
```

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```
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:simpleType name="DataPathDirection">
  <xsd:restriction base="xsd:string">
   <xsd:enumeration value="computeFunctionToObject"/>
   <xsd:enumeration value="objectToComputeFunction"/>
   <xsd:enumeration value="bidirectional"/>
  </xsd:restriction>
 </xsd:simpleType>

</xsd:schema>
```

22.2.9 Stop data path

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-stop-data-path</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="StopDataPath">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="ioCrossRefID" type="csta:IOCrossRefID"/>
    <xsd:element name="ioRegisterRequestID" type="csta:IORegisterReqID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="StopDataPathResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

22.2.10 Suspend data path

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-suspend-data-path</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="SuspendDataPath">
```

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```
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="ioCrossRefID" type="csta:IOCrossRefID"/>
    <xsd:element name="ioRegisterRequestID" type="csta:IORegisterReqID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SuspendDataPathResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

23 Data Collection Services

23.1 Services

23.1.1 Data Collected

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-data-collected</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="media-services.xsd"/>
 <xsd:include schemaLocation="data-collection.xsd"/>

 <xsd:element name="DataCollected">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:dcollCrossRefID"/>
    <xsd:element name="digitsData" type="csta:DigitsData" minOccurs="0"/>
    <xsd:element name="telTonesData" type="csta:TelTonesData" minOccurs="0"/>
    <xsd:element name="connectionInformation" type="csta:ConnectionInformation" minOccurs="0"/>
    <xsd:element name="dcollcause" type="csta:DcollCause" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="DataCollectedResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:complexType name="DigitsData">
  <xsd:sequence>
   <xsd:element name="digitsDetected">
    <xsd:simpleType>
     <xsd:restriction base="xsd:string">
```

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```
          <xsd:minLength value="0"/>
          <xsd:maxLength value="64"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="digitsDuration" type="csta:DigitsDurationList" minOccurs="0"/>
    <xsd:element name="digitsPauseDuration" type="csta:DigitsPauseDurationList" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="TelTonesData">
  <xsd:sequence>
    <xsd:element name="toneDetected" type="csta:ToneDetected"/>
    <xsd:element name="toneFrequency" type="xsd:long" minOccurs="0"/>
    <xsd:element name="toneDuration" type="xsd:long" minOccurs="0"/>
    <xsd:element name="tonePauseDuration" type="xsd:long" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:simpleType name="ToneDetected">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="beep"/>
    <xsd:enumeration value="billing"/>
    <xsd:enumeration value="busy"/>
    <xsd:enumeration value="carrier"/>
    <xsd:enumeration value="confirmation"/>
    <xsd:enumeration value="dial"/>
    <xsd:enumeration value="faxCNG"/>
    <xsd:enumeration value="hold"/>
    <xsd:enumeration value="howler"/>
    <xsd:enumeration value="intrusion"/>
    <xsd:enumeration value="modemCNG"/>
    <xsd:enumeration value="park"/>
    <xsd:enumeration value="recordWarning"/>
    <xsd:enumeration value="reorder"/>
    <xsd:enumeration value="ringback"/>
    <xsd:enumeration value="silence"/>
    <xsd:enumeration value="sitVC"/>
    <xsd:enumeration value="sitIC"/>
    <xsd:enumeration value="sitRO"/>
    <xsd:enumeration value="sitNC"/>
    <xsd:enumeration value="other"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="DcollCause">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="flushCharReceived"/>
    <xsd:enumeration value="charCountReceived"/>
    <xsd:enumeration value="timeout"/>
    <xsd:enumeration value="sfTerminated"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="DigitsDurationList">
  <xsd:sequence>
    <xsd:element name="digitsDurationItem" type="xsd:long" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="DigitsPauseDurationList">
  <xsd:sequence>
    <xsd:element name="digitsPauseDurationItem" type="xsd:long" minOccurs="0"
    maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

</xsd:schema>
```

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23.1.2 Data Collection Resumed

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-data-collection-resumed</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="data-collection.xsd"/>

 <xsd:element name="DataCollectionResumed">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:dcollCrossRefID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="DataCollectionResumedResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

23.1.3 Data Collection Suspended

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-data-collection-suspended</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="data-collection.xsd"/>

 <xsd:element name="DataCollectionSuspended">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:dcollCrossRefID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="DataCollectionSuspendedResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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23.1.4 Resume Data Collection

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-resume-data-collection</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="data-collection.xsd"/>

 <xsd:element name="ResumeDataCollection">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:dcollCrossRefID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="ResumeDataCollectionResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

23.1.5 Start Data Collection

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-start-data-collection</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-identifiers.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="data-collection.xsd"/>

 <xsd:element name="StartDataCollection">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="object" type="csta:CallObject"/>
    <xsd:element name="dataCollType" type="csta:DataCollType" minOccurs="0"/>
    <xsd:element name="digitsReportingCriteria" type="csta:DigitsReportingCriteria"
    minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>
```

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```
<xsd:element name="StartDataCollectionResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:dcollCrossRefID"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="CallObject">
  <xsd:choice>
    <xsd:element name="device" type="csta:DeviceID"/>
    <xsd:element name="call" type="csta:ConnectionID"/>
  </xsd:choice>
</xsd:complexType>

<xsd:simpleType name="DataCollType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="digits"/>
    <xsd:enumeration value="telTones"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="DigitsReportingCriteria">
  <xsd:sequence>
    <xsd:element name="numChars" type="xsd:long" minOccurs="0"/>
    <xsd:element name="flushChar" minOccurs="0">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:length value="1"/>
        </xsd:restriction>
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="timeout" type="xsd:long" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
</xsd:schema>
```

23.1.6 Stop Data Collection

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-stop-data-collection</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="data-collection.xsd"/>

 <xsd:element name="StopDataCollection">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:dcollCrossRefID"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="StopDataCollectionResponse">
  <xsd:complexType>
    <xsd:sequence>
```

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```
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

23.1.7 Suspend Data Collection

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-suspend-data-collection</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="data-collection.xsd"/>

 <xsd:element name="SuspendDataCollection">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:dcollCrossRefID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SuspendDataCollectionResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24 Voice services and events

24.1 Services

24.1.1 Activate

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-activate</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="Activate">
```

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```
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="overConnection" type="csta:ConnectionID"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element name="ruleName" type="xsd:string"/>
    <xsd:element name="grammarName" type="xsd:string" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="ActivateResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.1.2 Clear

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-clear</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="Clear">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="overConnection" type="csta:ConnectionID"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="ClearResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.1.3 Concatenate message

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

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```
<xsd:annotation>
  <xsd:documentation>CSTA-concatenate-message</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="device-feature-types.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>

<xsd:element name="ConcatenateMessage">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="messagesToConcatenate" type="csta:MessageIDList"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="ConcatenateMessageResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="concatenatedMessage" type="csta:MessageID"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="MessageIDList">
  <xsd:sequence>
    <xsd:element name="messageIDItem" type="csta:MessageID" minOccurs="0"
    maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

</xsd:schema>
```

24.1.4 Deactivate

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
  <xsd:include schemaLocation="device-feature-types.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>

  <xsd:element name="Deactivate">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="overConnection" type="csta:ConnectionID"/>
        <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
        <xsd:element name="ruleName" type="xsd:string"/>
        <xsd:element name="grammarName" type="xsd:string" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="DeactivateResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

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24.1.5 Delete message

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-delete-message</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="DeleteMessage">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="messageToBeDeleted" type="csta:MessageID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="DeleteMessageResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.1.6 Play message

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-play-message</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="PlayMessage">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="messageToBePlayed" type="csta:MessageID"/>
    <xsd:element name="overConnection" type="csta:ConnectionID"/>
    <xsd:element name="duration" type="xsd:long" minOccurs="0"/>
    <xsd:element name="termination" type="csta:TerminatingConditions" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="PlayMessageResponse">
  <xsd:complexType>
   <xsd:sequence>
```

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```
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.1.7 Query voice attribute

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4" xmlns:xsd="http://
www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-query-voice-attribute</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="QueryVoiceAttribute">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="messageToQuery" type="csta:MessageID" minOccurs="0"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element name="attributeToQuery" type="csta:AttributeToQuery"/>
    <xsd:element name="connection" type="csta:ConnectionID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="QueryVoiceAttributeResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="attribute" type="csta:AttributeInfo"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:simpleType name="AttributeToQuery">
  <xsd:restriction base="xsd:string">
   <xsd:enumeration value="encodingAlgorithm"/>
   <xsd:enumeration value="samplingRate"/>
   <xsd:enumeration value="duration"/>
   <xsd:enumeration value="filename"/>
   <xsd:enumeration value="currentPosition"/>
   <xsd:enumeration value="currentSpeed"/>
   <xsd:enumeration value="currentVolume"/>
   <xsd:enumeration value="currentLevel"/>
   <xsd:enumeration value="currentState"/>
   <xsd:enumeration value="grammars"/>
   <xsd:enumeration value="language"/>
   <xsd:enumeration value="mode"/>
   <xsd:enumeration value="retainAudio"/>
   <xsd:enumeration value="silenceTimeout"/>
   <xsd:enumeration value="maxTimeout"/>
   <xsd:enumeration value="babbleTimeout"/>
   <xsd:enumeration value="endSilence"/>
   <xsd:enumeration value="rejectionThreshold"/>
   <xsd:enumeration value="autoInterruptible"/>
   <xsd:enumeration value="innerXml"/>
```

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```
    <xsd:enumeration value="interdigitTimeout"/>
    <xsd:enumeration value="preflush"/>
  </xsd:restriction>
 </xsd:simpleType>

</xsd:schema>
```

24.1.8 Queue service

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">

 <!--The QueueService element name in ECMA-323 is equivalent to the Queue service name in ECMA-269-->

 <xsd:annotation>
  <xsd:documentation>CSTA-queue-service</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="QueueService">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="overConnection" type="csta:ConnectionID"/>
    <xsd:element name="message" type="csta:MessageID" minOccurs="0"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element name="text" type="xsd:string" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="QueueServiceResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.1.9 Record message

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-record-message</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="RecordMessage">
  <xsd:complexType>
   <xsd:sequence>
```

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```
      <xsd:element name="callToBeRecorded" type="csta:ConnectionID"/>
      <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
      <xsd:element name="samplingRate" type="xsd:long" minOccurs="0"/>
      <xsd:element name="encodingAlgorithm" type="csta:EncodingAlgorithm" minOccurs="0"/>
      <xsd:element name="maxDuration" type="xsd:long" minOccurs="0"/>
      <xsd:element name="termination" type="csta:TerminatingConditions" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="RecordMessageResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="resultingMessage" type="csta:MessageID"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.1.10 Reposition

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-reposition</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="Reposition">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="connection" type="csta:ConnectionID"/>
      <xsd:element name="messageToReposition" type="csta:MessageID" minOccurs="0"/>
      <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
      <xsd:element name="periodOfReposition" type="csta:Period"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="RepositionResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:complexType name="Period">
  <xsd:choice>
    <xsd:element name="absolutePosition">
      <xsd:simpleType>
        <xsd:restriction base="xsd:string">
          <xsd:enumeration value="startOfMessage"/>
          <xsd:enumeration value="endOfMessage"/>
        </xsd:restriction>
```

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```
      </xsd:simpleType>
    </xsd:element>
    <xsd:element name="relativePosition" type="xsd:long"/>
  </xsd:choice>
 </xsd:complexType>

</xsd:schema>
```

24.1.11 Resume

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-resume</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="Resume">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="messageToResume" type="csta:MessageID" minOccurs="0"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element name="duration" type="xsd:long" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="ResumeResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.1.12 Review

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-review</xsd:documentation>
 </xsd:annotation>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="Review">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="messageToReview" type="csta:MessageID" minOccurs="0"/>
```

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```
      <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
      <xsd:element name="periodToReview" type="csta:PeriodToReview"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="ReviewResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:complexType name="PeriodToReview">
  <xsd:choice>
    <xsd:element name="startOfMessage" type="csta:Empty"/>
    <xsd:element name="lengthOfReview" type="xsd:long"/>
  </xsd:choice>
</xsd:complexType>

</xsd:schema>
```

24.1.13 Set voice attribute

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-set-voice-attribute</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>

 <xsd:element name="SetVoiceAttribute">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="message" type="csta:MessageID" minOccurs="0"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element name="attributeToSet" type="csta:AttributeToSet"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SetVoiceAttributeResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:complexType name="AttributeToSet">
  <xsd:choice>
   <xsd:element name="currentSpeed" type="xsd:long"/>
   <xsd:element name="currentVolume" type="csta:Volume"/>
   <xsd:element name="currentGain">
```

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```
    <xsd:simpleType>
     <xsd:restriction base="xsd:integer">
      <xsd:minInclusive value="0"/>
      <xsd:maxInclusive value="100"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
   <xsd:element name="grammars" maxOccurs="unbounded">
    <xsd:complexType>
     <xsd:sequence minOccurs="0">
      <xsd:any namespace="##any" maxOccurs="unbounded"/>
     </xsd:sequence>
     <xsd:attribute name="name" type="xsd:string"/>
     <xsd:attribute name="src" type="xsd:anyURI"/>
     <xsd:anyAttribute namespace="##any"/>
    </xsd:complexType>
   </xsd:element>
   <xsd:element name="language" type="xsd:language"/>
   <xsd:element name="mode">
    <xsd:simpleType>
     <xsd:restriction base="xsd:string">
      <xsd:enumeration value="automatic"/>
      <xsd:enumeration value="single"/>
      <xsd:enumeration value="multiple"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
   <xsd:element name="retainAudio" type="xsd:boolean"/>
   <xsd:element name="silenceTimeout" type="xsd:float"/>
   <xsd:element name="maxTimeout" type="xsd:float"/>
   <xsd:element name="babbleTimeout" type="xsd:float"/>
   <xsd:element name="endSilence" type="xsd:float"/>
   <xsd:element name="rejectionThreshold">
    <xsd:simpleType>
     <xsd:restriction base="xsd:float">
      <xsd:maxInclusive value="1.0"/>
      <xsd:minInclusive value="0.0"/>
     </xsd:restriction>
    </xsd:simpleType>
   </xsd:element>
   <xsd:element name="autoInterruptible" type="xsd:boolean"/>
   <xsd:element name="innerXml">
    <xsd:complexType>
     <xsd:sequence>
      <xsd:any/>
     </xsd:sequence>
    </xsd:complexType>
   </xsd:element>
   <xsd:element name="interdigitTimeout" type="xsd:float"/>
   <xsd:element name="preflush" type="xsd:boolean"/>
  </xsd:choice>
 </xsd:complexType>

</xsd:schema>
```

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24.1.14 Start

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-start</xsd:documentation>
```


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```
</xsd:annotation>

<xsd:include schemaLocation="call-connection-identifiers.xsd"/>
<xsd:include schemaLocation="device-feature-types.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>

<xsd:element name="Start">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element name="overConnection" type="csta:ConnectionID"/>
   <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
   <xsd:element name="text" type="xsd:string" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

<xsd:element name="StartResponse">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

24.1.15 Stop

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4" elementFormDefault="qualified"
attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-stop</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="Stop">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="messageToBeStopped" type="csta:MessageID" minOccurs="0"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="StopResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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24.1.16 Suspend

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-suspend</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="Suspend">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="message" type="csta:MessageID" minOccurs="0"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SuspendResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.1.17 Synthesize message

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-synthesize-message</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="SynthesizeMessage">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="textToBeSynthesized" type="xsd:string"/>
    <xsd:element name="control" type="csta:ControlData" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SynthesizeMessageResponse">
  <xsd:complexType>
   <xsd:sequence>
```

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```
      <xsd:element name="synthesizedMessage" type="csta:MessageID"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.2 Events

24.2.1 Bookmark reached

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-bookmark-reached-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="BookmarkReachedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="overConnection" type="csta:ConnectionID"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element name="bookmark" type="xsd:string"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.2.2 Completed

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-completed-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>
```

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```
 <xsd:element name="CompletedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="overConnection" type="csta:ConnectionID"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.2.3 DTMF detected

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-dtmf-detected-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="DtmfDetectedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="overConnection" type="csta:ConnectionID"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element name="dtmfChar" type="xsd:unsignedByte"/>
    <xsd:element name="dtmfChar">
     <xsd:simpleType>
      <xsd:restriction base="xsd:string">
       <xsd:length value="1"/>
      </xsd:restriction>
     </xsd:simpleType>
    </xsd:element>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.2.4 Emptied

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

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```
<xsd:annotation>
  <xsd:documentation>CSTA-emptied-event</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="event-cause.xsd"/>
<xsd:include schemaLocation="call-connection-identifiers.xsd"/>
<xsd:include schemaLocation="device-feature-types.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>
<xsd:include schemaLocation="call-control.xsd"/>
<xsd:include schemaLocation="status-reporting.xsd"/>

<xsd:element name="EmptiedEvent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:monitorCrossRefID"/>
      <xsd:element name="overConnection" type="csta:ConnectionID"/>
      <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
      <xsd:element ref="csta:cause" minOccurs="0"/>
      <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>
```

24.2.5 Interruption detected

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-interruption-detected-event</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="event-cause.xsd"/>
  <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
  <xsd:include schemaLocation="device-feature-types.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="call-control.xsd"/>
  <xsd:include schemaLocation="status-reporting.xsd"/>

  <xsd:element name="InterruptionDetectedEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="overConnection" type="csta:ConnectionID"/>
        <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
        <xsd:element ref="csta:cause" minOccurs="0"/>
        <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

24.2.6 Not recognized

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
```

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```
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-not-recognized-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="NotRecognizedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="overConnection" type="csta:ConnectionID"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element name="result" type="xsd:string" minOccurs="0"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.2.7 Play

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-play-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="PlayEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="message" type="csta:MessageID" minOccurs="0"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element name="length" type="xsd:long" minOccurs="0"/>
    <xsd:element name="currentPosition" type="xsd:long" minOccurs="0"/>
    <xsd:element name="speed" type="xsd:long" minOccurs="0"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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24.2.8 Recognized

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-recognized-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="RecognizedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="overConnection" type="csta:ConnectionID"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element name="result" type="xsd:string"/>
    <xsd:element name="text" type="xsd:string"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.2.9 Record

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-record-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="RecordEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="message" type="csta:MessageID" minOccurs="0"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element name="length" type="xsd:long" minOccurs="0"/>
    <xsd:element name="currentPosition" type="xsd:long" minOccurs="0"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
```

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```
      <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.2.10 Review

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-review-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="ReviewEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="message" type="csta:MessageID" minOccurs="0"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element name="length" type="xsd:long" minOccurs="0"/>
    <xsd:element name="currentPosition" type="xsd:long" minOccurs="0"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.2.11 Silence timeout expired

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-silence-timeout-expired-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="SilenceTimeoutExpiredEvent">
```

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```
    <xsd:complexType>
     <xsd:sequence>
      <xsd:element ref="csta:monitorCrossRefID"/>
      <xsd:element name="overConnection" type="csta:ConnectionID"/>
      <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
      <xsd:element ref="csta:cause" minOccurs="0"/>
      <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
     </xsd:sequence>
    </xsd:complexType>
   </xsd:element>

</xsd:schema>
```

24.2.12 Speech detected

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-speech-detected-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="SpeechDetectedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="overConnection" type="csta:ConnectionID"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.2.13 Started

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-started-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
```

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```
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="StartedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="overConnection" type="csta:ConnectionID"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.2.14 Stop

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-stop-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="StopEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="message" type="csta:MessageID" minOccurs="0"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element name="length" type="xsd:long" minOccurs="0"/>
    <xsd:element name="currentPosition" type="xsd:long" minOccurs="0"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.2.15 Suspend play

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-suspend-play-event</xsd:documentation>
```

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```
</xsd:annotation>

<xsd:include schemaLocation="event-cause.xsd"/>
<xsd:include schemaLocation="call-connection-identifiers.xsd"/>
<xsd:include schemaLocation="device-feature-types.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>
<xsd:include schemaLocation="call-control.xsd"/>
<xsd:include schemaLocation="status-reporting.xsd"/>
<xsd:element name="SuspendPlayEvent">

 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="csta:monitorCrossRefID"/>
   <xsd:element name="connection" type="csta:ConnectionID"/>
   <xsd:element name="message" type="csta:MessageID" minOccurs="0"/>
   <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
   <xsd:element name="length" type="xsd:long" minOccurs="0"/>
   <xsd:element name="currentPosition" type="xsd:long" minOccurs="0"/>
   <xsd:element ref="csta:cause" minOccurs="0"/>
   <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
   <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>

</xsd:schema>
```

24.2.16 Suspend record

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-suspend-record-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="SuspendRecordEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="message" type="csta:MessageID" minOccurs="0"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element name="length" type="xsd:long" minOccurs="0"/>
    <xsd:element name="currentPosition" type="xsd:long" minOccurs="0"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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24.2.17 Voice attribute changed

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-voice-attribute-changed-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="physical-device-features.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="VoiceAttributeChangedEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="connection" type="csta:ConnectionID"/>
    <xsd:element name="message" type="csta:MessageID" minOccurs="0"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element name="playVolume" type="csta:Volume" minOccurs="0"/>
    <xsd:element name="recordingGain" minOccurs="0">
     <xsd:simpleType>
      <xsd:restriction base="xsd:integer">
       <xsd:minInclusive value="0"/>
       <xsd:maxInclusive value="100"/>
      </xsd:restriction>
     </xsd:simpleType>
    </xsd:element>
    <xsd:element name="speed" type="xsd:long" minOccurs="0"/>
    <xsd:element name="currentPosition" type="xsd:long" minOccurs="0"/>
    <xsd:element name="grammars" minOccurs="0" maxOccurs="unbounded">
     <xsd:complexType>
      <xsd:sequence minOccurs="0">
       <xsd:any namespace="##any" maxOccurs="unbounded"/>
      </xsd:sequence>
      <xsd:attribute name="name" type="xsd:string"/>
      <xsd:attribute name="src" type="xsd:anyURI"/>
      <xsd:anyAttribute namespace="##any"/>
     </xsd:complexType>
    </xsd:element>
    <xsd:element name="language" type="xsd:language" minOccurs="0"/>
    <xsd:element name="mode">
     <xsd:simpleType>
      <xsd:restriction base="xsd:string">
       <xsd:enumeration value="automatic"/>
       <xsd:enumeration value="single"/>
       <xsd:enumeration value="multiple"/>
      </xsd:restriction>
     </xsd:simpleType>
    </xsd:element>
    <xsd:element name="retainAudio" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="silenceTimeout" type="xsd:float" minOccurs="0"/>
    <xsd:element name="maxTimeout" type="xsd:float" minOccurs="0"/>
    <xsd:element name="babbleTimeout" type="xsd:float" minOccurs="0"/>
    <xsd:element name="endSilence" type="xsd:float" minOccurs="0"/>
    <xsd:element name="rejectionThreshold" minOccurs="0">
     <xsd:simpleType>
      <xsd:restriction base="xsd:float">
       <xsd:maxInclusive value="1.0"/>
```

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```
            <xsd:minInclusive value="0.0"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <xsd:element name="autoInterruptible" type="xsd:boolean" minOccurs="0"/>
      <xsd:element name="innerXml" minOccurs="0">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:any/>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
      <xsd:element name="interdigitTimeout" type="xsd:float" minOccurs="0"/>
      <xsd:element name="preflush" type="xsd:boolean" minOccurs="0"/>
      <xsd:element ref="csta:cause" minOccurs="0"/>
      <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

24.2.18 Voice error occurred

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-voice-error-occurred-event</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="event-cause.xsd"/>
 <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
 <xsd:include schemaLocation="device-feature-types.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-control.xsd"/>
 <xsd:include schemaLocation="status-reporting.xsd"/>

 <xsd:element name="VoiceErrorOccurredEvent">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:monitorCrossRefID"/>
    <xsd:element name="overConnection" type="csta:ConnectionID"/>
    <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
    <xsd:element ref="csta:cause" minOccurs="0"/>
    <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

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25 Call detail record services

25.1 Services

25.1.1 Call detail records notification

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-call-detail-records-notification</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-detail-record.xsd"/>

 <xsd:element name="CDRNotification">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:cdrCrossRefID"/>
    <xsd:element name="cdrReason" type="csta:CDRReason" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="CDRNotificationResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

25.1.2 Call detail records report

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-call-detail-records-report</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-detail-record.xsd"/>

 <xsd:element name="CDRReport">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:cdrCrossRefID"/>
    <xsd:element name="numberOfRecordsSent">
     <xsd:simpleType>
      <xsd:restriction base="xsd:integer">
       <xsd:minInclusive value="1"/>
       <xsd:maxInclusive value="128"/>
```

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```
        </xsd:restriction>
       </xsd:simpleType>
      </xsd:element>
      <xsd:element name="cdrInfo" type="csta:CDRInfo"/>
      <xsd:element name="lastStoredCDRReportSent" type="xsd:boolean" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
     </xsd:sequence>
    </xsd:complexType>
   </xsd:element>

   <xsd:element name="CDRReportResponse">
    <xsd:complexType>
     <xsd:sequence>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
     </xsd:sequence>
    </xsd:complexType>
   </xsd:element>

  </xsd:schema>
```

25.1.3 Send stored call detail records

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-send-stored-call-detail-records</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="call-detail-record.xsd"/>

 <xsd:element name="SendStoredCDR">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:cdrCrossRefID"/>
    <xsd:element name="timePeriod" type="csta:CDRTimePeriod" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="SendStoredCDRResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

25.1.4 Start call detail records transmission

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-start-call-detail-records-transmission</xsd:documentation>
```

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```
  </xsd:annotation>

  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="call-detail-record.xsd"/>

  <xsd:element name="StartCDRTransmission">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="transferMode" type="csta:CDRTransferMode"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="StartCDRTransmissionResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:cdrCrossRefID"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

25.1.5 Stop call detail records transmission

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-stop-call-detail-records-transmission</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="call-detail-record.xsd"/>

  <xsd:element name="StopCDRTransmission">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:cdrCrossRefID"/>
        <xsd:element name="cdrTermReason" type="csta:CDRTermReason" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="StopCDRTransmissionResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

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26 Vendor specific extensions services and events

26.1 Registration services

26.1.1 Escape register

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-escape-register</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="escape-types.xsd"/>

 <xsd:element name="EscapeRegister">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="EscapeRegisterResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:escapeRegisterID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

26.1.2 Escape register abort

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-escape-register-abort</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="escape-types.xsd"/>

 <xsd:element name="EscapeRegisterAbort">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:escapeRegisterID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:annotation>
```

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```
  <xsd:documentation>There is no positive response to this request.</xsd:documentation>
 </xsd:annotation>

</xsd:schema>
```

26.1.3 Escape register cancel

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-escape-register-cancel</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="escape-types.xsd"/>

 <xsd:element name="EscapeRegisterCancel">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:escapeRegisterID"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="EscapeRegisterCancelResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

26.2 Services

26.2.1 Escape

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-escape</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="security.xsd"/>
 <xsd:include schemaLocation="extension-types.xsd"/>
 <xsd:include schemaLocation="escape-types.xsd"/>

 <xsd:element name="Escape">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:escapeRegisterID" minOccurs="0"/>
    <xsd:element name="security" type="csta:CSTASecurityData" minOccurs="0"/>
    <xsd:element name="privateData" type="csta:CSTAPrivateData"/>
   </xsd:sequence>
```

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```
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="EscapeResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

</xsd:schema>
```

26.2.2 Private data version selection

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
elementFormDefault="qualified" attributeFormDefault="unqualified">

 <xsd:annotation>
  <xsd:documentation>CSTA-private-data-version-selection</xsd:documentation>
 </xsd:annotation>

 <xsd:include schemaLocation="extension-types.xsd"/>

 <xsd:element name="PrivateDataVersionSelection">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element name="privateDataVersionSelectionArgument"
    type="csta:PrivateDataVersionSelectionArgument"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:element name="PrivateDataVersionSelectionResponse">
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
 </xsd:element>

 <xsd:simpleType name="PrivateDataVersionSelectionArgument">
  <xsd:restriction base="xsd:integer"/>
 </xsd:simpleType>

</xsd:schema>
```

26.3 Events

26.3.1 Private event

```
<?xml version="1.0" encoding="UTF-8"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed4"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4"

elementFormDefault="qualified" attributeFormDefault="unqualified">
 <xsd:annotation>
  <xsd:documentation>CSTA-private-event</xsd:documentation>
 </xsd:annotation>
```

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```
  <xsd:include schemaLocation="security.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="status-reporting.xsd"/>

  <xsd:element name="PrivateEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="security" type="csta:CSTASecurityData" minOccurs="0"/>
        <xsd:element name="privateData" type="csta:CSTAPrivateData"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

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Annex A
(normative)

Protocol Implementation Conformance Statement (PICS) Proforma

A.1 Introduction

The Protocol Implementation Conformance Statement (PICS) is a statement of which capabilities and options of the protocol have been implemented. The PICS can have a number of uses, including use:

- by the protocol implementor, as a check-list to reduce the risk of failure to conform to the standard through oversight;
- by the supplier and acquirer (or potential acquirer) of the implementation, as a detailed indication of the capabilities of the implementation, stated relative to the common basis for understanding provided by the standard PICS proforma;
- by the user (or potential user) of the implementation, as a basis for initially checking the possibility of interworking with another implementation (note that, while interworking cannot be guaranteed, failure to interwork can often be predicted from incompatible PICS);
- by a protocol tester, as the basis for selecting appropriate tests against which to assess the claim for conformance of the implementation.

A.2 Conformance

The supplier of a protocol implementation which is claimed to conform to this Standard shall complete a copy of the Protocol Implementation Conformance Statement (PICS) proforma in A.5, “PICS proforma”.

A.3 Instructions for completing the PICS proforma

The first part of the PICS proforma, the Implementation Identification (A.4, “Implementation identification”, on page 268), is to be completed as indicated with the information necessary to identify fully both the supplier and the implementation.

The main part of the PICS proforma, A.5, “PICS proforma”, is a fixed format questionnaire divided into subclauses each containing a group of individual items. These items represent options specified in ECMA-269 (mandatory items are not represented). Answers to the questionnaire items are to be provided in the appropriate columns by marking an answer to indicate a restricted choice (Yes or No), and optionally clarifying this response with a comment.

Where a service or event is not supported, as indicated by entering No for the first entry in a table, any parameters or dependent service components in the rest of that table are not applicable, it is then not necessary to complete items in any subsidiary entries in the table.

Note that ISO/IEC 18051 should be used as a reference when completing the PICS proforma.

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A.4 Implementation identification

Supplier	
Protocol Version	XML Protocol for CSTA Phase III, 3rd Edition
Date of Statement	
Contact point for queries about the PICS	
Implementation Name(s) and Version(s)	
Other information necessary for full identification - e.g. Name(s) and Version(s) for machines and/or operating systems; system name(s)	

The first five items are required for all implementations; other information may be completed as appropriate in meeting the requirement for full identification.

The terms Name and Version should be interpreted appropriately to correspond with a supplier's terminology (e.g. Type, Series, Model).

A.5 PICS proforma

A.5.1 CSTA Profiles

CSTA Profiles group together services and events, where each profile specifies a set of services and events that are supported by the implementation. Switching Function implementors shall indicate support for one or more profiles in the table below. Specifying support for a profile shall be accompanied by specifying support for the services and events encompassed by the profile, as well as any other services and events that the implementation supports.

Refer to ISO/IEC 18051 for a description of the CSTA Services and Events that must be supported for a specific CSTA profile.

Description: Profile(s) Supported	**Supported ?**		**Comments**
	Yes	**No**	
Basic Telephony Profile			
Routeing Profile			
Level 1a Voice Browser Profile			
Level 1b Voice Browser Profile			

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Description: Profile(s) Supported	Supported ?		Comments
	Yes	No	
Level 2 Voice Browser Profile			
Minimal uaCSTA Call Control Profile			
Basic uaCSTA Call Control Profile			
Advanced uaCSTA Call Control Profile			
Conferencing uaCSTA Call Control Profile			
Basic uaCSTA Device Feature Profile			
Speaker uaCSTA Device Feature Profile			
Basic Speech Service Profile			
Advanced Speech Service Profile			

A.5.2 Capability Exchange Services

A.5.2.1 Get CSTA Features

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get CSTA Features			
Service Request optional parameters			
security			
privateData			
Service Request optional parameters			
security			
privateData			

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A.5.2.2 Get Logical Device Information

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Logical Device Information			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
groupDeviceAttibutes			
namedDeviceTypes			
shortFormDeviceID			
agentLogOnModels			
appearanceList			
otherPhysicalDeviceList			
miscMonitorCaps			
associatedGroupList			
maxCallbacks			
maxAutoAnswerRings			
maxActiveCalls			
maxHeldCalls			
maxFwdSettings			
maxDevicesInConf			
transAndConfSetup			
deviceOnDeviceMonitorFilter			
deviceOnConnectionMonitorFilter			
callOnDeviceMonitorFilter			
callOnConnectionMonitorFilter			
mediaClassSupport			
mediaServiceCapsList			
connectionRateList			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
delayToleranceList			
numberOfChannels			
maxChannelBind			
routeingServList			
logDevServList			
logDevEvtsList			
deviceMaintEvtsList			
security			
privateData			

A.5.2.3 Get Physical Device Information

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Physical Device Information			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
groupDeviceAttributes			
namedDeviceTypes			
otherLogicalDeviceList			
deviceModelName			
deviceOnDeviceMonitorFilter			
deviceOnConnectionMonitorFilter			
callOnDeviceMonitorFilter			
callOnConnectionMonitorFilter			
maxDisplays			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
maxButtons			
maxLamps			
maxRingPatterns			
physDevServList			
physDevEvtsList			
security			
privateData			

A.5.2.4 Get Switching Function Capabilities

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Switching Function Capabilities			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
callCharacteristicsSupported			
mediaClassSupport			
numberOfChannels			
maxChannelBind			
miscMediaCallCharacteristics			
connectionRateList			
delayToleranceRateList			
pauseTime			
currentTime			
messageSeqNumbers			
timeStampMode			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
securityMode			
securityFormat			
privateDataFormat			
transAndConfSetup			
deviceOnDeviceMonitorFilter			
deviceOnConnectionMonitorFilter			
callOnDeviceMonitorFilter			
callOnConnectionMonitorFilter			
miscMonitorCaps			
correlatorDataSupported			
dynamicFeatureSupported			
callLinkageOptionsSupported			
acdModels			
agentLogonModels			
agentStateModels			
maxLengthParametersContinued			
routeingServList			
logDevServList			
logDevEvtsList			
physDevServList			
physDevEvtsList			
deviceMaintEvtsList			
statusReportingServList			
capExchangeServList			
cdrServList			
vendorSpecificServList			
vendorSpecificEvtsList			
privateDataVersionList			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
systemStatusTimer			
simpleThreshold			
filterThreshold			
mediaServiceCapsList			
maxDeviceHistoryEntries			
security			
privateData			

A.5.2.5 Get Switching Function Devices

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Switching Function Devices			
Service Request optional parameters			
requestedDeviceID			
requestedDeviceCategory			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.2.6 Switching Function Devices

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Switching Function Devices			
Service Request optional parameters			
segmentID			
security			
privateData			

A.5.3 System Services

A.5.3.1 Change System Status Filter

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Change System Status Filter			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.3.2 System Register

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
System Register			
Service Request optional parameters			
requestedStatusFilter			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
security			
privateData			
Service Response optional parameters			
actualStatusFilter			
security			
privateData			

A.5.3.3 System Register Abort

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
System Register Abort			
Service Request optional parameters			
security			
privateData			

A.5.3.4 System Register Cancel

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
System Register Cancel			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.3.5 Request System Status

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Request System Status			
Service Request optional parameters			
sysStatRegisterID			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.3.6 System Status

The System Status service shall be supported as part of the Application Association Initialisation as specified in Clause 7 of ECMA-269.

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
System Status			
Service Request optional parameters			
sysStatRegisterID			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.3.7 Switching Function Capabilities Changed

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Switching Function Capabilities Changed			
Service Request optional parameters			
sysStatRegisterID			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.3.8 Switching Function Devices Changed

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Switching Function Devices Changed			
Service Request optional parameters			
sysStatRegisterID			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.4 Monitoring Services

A.5.4.1 Change Monitor Filter

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Change Monitor Filter			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
actualFilterList			
security			
privateData			

A.5.4.2 Monitor Start

This service must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Monitor Start			
Service Request optional parameters			
requestedMonitorFilter			
monitorType			
requestedMonitorMediaClass			
security			
privateData			
Service Response optional parameters			
actualMonitorFilter			
actualMonitorMediaClass			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
monitorExistingCalls			
security			
privateData			

A.5.4.3 Monitor Stop

This service must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Monitor Stop			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.5 Snapshot Services

A.5.5.1 Snapshot Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Snapshot Call			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
serviceCrossRefID			
snapshotData			
mediaCallCharacteristics			
callCharacteristics			
callingDevice			
calledDevice			
associatedCallingDevice			
associatedCalledDevice			
correlatorData			
subjectOfCall			
messageInfo			
languagePreferences			
deviceHistory			
security			
privateData			

A.5.5.2 Snapshot Device

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Snapshot Device			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
serviceCrossRefID			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
snapshotData			
security			
privateData			

A.5.5.3 Snapshot CallData

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Snapshot CallData			
Service Request optional parameters			
segmentID			
security			
privateData			

A.5.5.4 Snapshot DeviceData

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Snapshot DeviceData			
Service Request optional parameters			
segmentID			
security			
privateData			

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A.5.6 Call Control Services

A.5.6.1 Accept Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Accept Call			
Service Request optional parameters			
correlatorData			
userData			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.6.2 Alternate Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Alternate Call			
Service Request optional parameters			
connectionReservation			
consultOptions			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.6.3 Answer Call

This service must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Answer Call			
Service Request optional parameters			
correlatorData			
userData			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.6.4 Call Back Call-Related

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Call Back Call-Related			
Service Request optional parameters			
callCharateristics			
security			
subjectOfCall			
languagePreferences			
privateData			
Service Response optional parameters			
targetDevice			
security			
privateData			

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A.5.6.5 Call Back Message Call-Related

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Call Back Message Call-Related			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
targetDevice			
security			
privateData			

A.5.6.6 Camp On Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Camp On Call			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.6.7 Clear Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Clear Call			
Service Request optional parameters			
userData			
reason			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.6.8 Clear Connection

This service must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Clear Connection			
Service Request optional parameters			
correlatorData			
userData			
reason			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.6.9 Conference Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Conference Call			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
connections			
conferenceCallInfo			
security			
privateData			

A.5.6.10 Consultation Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Consultation Call			
Service Request optional parameters			
connectionReservation			
accountCode			
authCode			
correlatorData			
userData			
callCharacteristics			
mediaCallCharacteristics			
callingConnectionInfo			
consultOptions			
subjectOfCall			
languagePreferences			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
security			
privateData			
Service Response optional parameters			
mediaCallCharacteristics			
initiatedCallInfo			
security			
privateData			

A.5.6.11 Deflect Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Deflect Call			
Service Request optional parameters			
correlatorData			
userData			
subjectOfCall			
languagePreferences			
reason			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.6.12 Dial Digits

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Dial Digits			
Service Request optional parameters			
correlatorData			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.6.13 Directed Pickup Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Directed Pickup Call			
Service Request optional parameters			
correlatorData			
userData			
security			
privateData			
Service Response optional parameters			
pickedCall			
pickedCallInfo			
security			
privateData			

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A.5.6.14 Group Pickup Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Group Pickup Call			
Service Request optional parameters			
pickGroup			
correlatorData			
userData			
security			
privateData			
Service Response optional parameters			
pickedCall			
pickedCallInfo			
security			
privateData			

A.5.6.15 Hold Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Hold Call			
Service Request optional parameters			
connectionReservation			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.6.16 Intrude Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Intrude Call			
Service Request optional parameters			
participationType			
userData			
security			
privateData			
Service Response optional parameters			
conferencedCall			
conferencedCallInfo			
security			
privateData			

A.5.6.17 Join Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Join Call			
Service Request optional parameters			
autoOriginate			
participationType			
accountCode			
authCode			
correlatorData			
userData			
security			
privateData			
Service Response optional parameters			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
conferencedCallInfo			
security			
privateData			

A.5.6.18 Make Call

This service must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Make Call			
Service Request optional parameters			
accountCode			
authCode			
autoOriginate			
correlatorData			
userData			
callCharacteristics			
medaCallCharacteristics			
callingConnectionInfo			
subjectOfCall			
languagePreferences			
reason			
security			
privateData			
Service Response optional parameters			
mediaCallCharacteristics			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
initiatedCallInfo			
security			
privateData			

A.5.6.19 Make Predictive Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Make Predictive Call			
Service Request optional parameters			
signallingDectection			
destinationDetection			
defaultAction			
accountCode			
authCode			
autoOriginate			
alertTime			
correlatorData			
callCharacteristics			
subjectOfCall			
languagePreferences			
userData			
security			
privateData			
Service Response optional parameters			
initiatedCallInfo			
security			
privateData			

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A.5.6.20 Park Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Park Call			
Service Request optional parameters			
correlatorData			
subjectOfCall			
languagePreferences			
security			
privateData			
Service Response optional parameters			
parkedTo			
security			
privateData			

A.5.6.21 Reconnect Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Reconnect Call			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.6.22 Retrieve Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Retrieve Call			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.6.23 Send Message

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Send Message			
Service Request optional parameters			
accountCode			
authCode			
correlatorData			
callCharacteristics			
mediaCallCharacteristics			
subjectOfCall			
languagePreferences			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.6.24 Single Step Conference Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Single Step Conference Call			
Service Request optional parameters			
participationType			
accountCode			
authCode			
correlatorData			
userData			
subjectOfCall			
languagePreferences			
security			
privateData			
Service Response optional parameters			
conferencedCallInfo			
security			
privateData			

A.5.6.25 Single Step Transfer Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Single Step Transfer Call			
Service Request optional parameters			
accountCode			
authCode			
correlatorData			
userData			
subjectOfCall			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
languagePreferences			
reason			
security			
privateData			
Service Response optional parameters			
connections			
transferredCallInfo			
security			
privateData			

A.5.6.26 Transfer Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Transfer Call			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
connections			
transferredCallInfo			
security			
privateData			

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A.5.7 Call Control Events

A.5.7.1 Bridged

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Bridged			
localConnectionInfo			
correlatorData			
userData			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			
bridgedConnectionInfo			
callLinkageData			
languagePreferences			
security			
privateData			

A.5.7.2 Call Cleared

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Call Cleared			
correlatorData			
userData			
mediaCallCharacteristics			
callCharacteristics			
callLinkageData			

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Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
languagePreferences			
security			
privateData			

A.5.7.3 Conferenced

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Conferenced			
secondaryOldCall			
localConnectionInfo			
correlatorData			
userData			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			
languagePreferences			
deviceHistory			
security			
privateData			

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A.5.7.4 Connection Cleared

This event must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Connection Cleared			
localConnectionInfo			
correlatorData			
userData			
chargingInfo			
servicesPermitted			
mediaCallCharateristics			
callCharacteristics			
droppedConnectionInfo			
callLinkageData			
languagePreferences			
deviceHistory			
security			
privateData			

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A.5.7.5 Delivered

This event must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Delivered			
originatingNIDConnection			
localConnectionInfo			
correlatorData			
userData			

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Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
servicesPermitted			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
associatedCalledDevice			
mediaCallCharacteristics			
callCharacteristics			
connectionInfo			
subjectOfCall			
messageInfo			
languagePreferences			
deviceHistory			
security			
privateData			

A.5.7.6 Digits Dialed

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Digits Dialed			
localConnectionInfo			
correlatorData			
servicesPermitted			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
associatedCalledDevice			
diallingConnectionInfo			

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Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
callCharacteristics			
languagePreferences			
security			
privateData			

A.5.7.7 Diverted

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Diverted			
callingDevice			
calledDevice			
localConnectionInfo			
correlatorData			
userData			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			
connectionInfo			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
associatedCalledDevice			
subjectOfCall			
messageInfo			
languagePreferences			

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Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
deviceHistory			
security			
privateData			

A.5.7.8 Established

This event must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Established			
originatingNIDConnection			
localConnectionInfo			
correlatorData			
userData			
servicesPermitted			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
associatedCalledDevice			
mediaCallCharacteristics			
callCharacteristics			
establishConnectionInfo			
subjectOfCall			
messageInfo			
languagePreferences			
deviceHistory			
security			
privateData			

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A.5.7.9 Failed

This event must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Failed			
originatingNIDConnection			
localConnectionInfo			
correlatorData			
userData			
servicesPermitted			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
associatedCalledDevice			
mediaCallCharacteristics			
callCharacteristics			
failedConnectionInfo			
subjectOfCall			
messageInfo			
languagePreferences			
deviceHistory			
security			
privateData			

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A.5.7.10 Held

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Held			
localConnectionInfo			
correlatorData			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			
heldConnectionInfo			
callLinkageData			
languagePreferences			
security			
privateData			

A.5.7.11 Network Capabilities Changed

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Network Capabilities Changed			
localConnectionInfo			
correlatorData			
userData			
networkCapability			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			
outboundConnectionInfo			

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Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
languagePreferences			
security			
privateData			

A.5.7.12 Network Reached

This event must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Network Reached			
originatingNIDConnection			
localConnectionInfo			
correlatorData			
userData			
networkCapability			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			
outboundConnectionInfo			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
languagePreferences			
deviceHistory			
security			
privateData			

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A.5.7.13 Offered

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Offered			
originatingNIDConnection			
localConnectionInfo			
correlatorData			
userData			
servicesPermitted			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
associatedCalledDevice			
mediaCallCharacteristics			
callCharacteristics			
offeredConnectionInfo			
subjectOfCall			
messageInfo			
languagePreferences			
deviceHistory			
security			
privateData			

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A.5.7.14 Originated

This event must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Originated			
originatingDevice			
localConnectionInfo			
correlatorData			
servicesPermitted			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
associatedCalledDevice			
mediaCallCharacteristics			
callCharacteristics			
originatedConnectionInfo			
subjectOfCall			
messageInfo			
languagePreferences			
security			
privateData			

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A.5.7.15 Queued

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Queued			
numberQueued			
callsInFront			

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Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
localConnectionInfo			
correlatorData			
userData			
servicesPermitted			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
associatedCalledDevice			
mediaCallCharacteristics			
callCharacteristics			
queuedConnectionInfo			
subjectOfCall			
messageInfo			
languagePreferences			
deviceHistory			
security			
privateData			

A.5.7.16 Retrieved

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Retrieved			
localConnectionInfo			
correlatorData			
servicePermitted			
mediaCallCharacteristics			
callCharacteristics			

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Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
retrievedConnectionInfo			
callLinkageData			
languagePreferences			
security			
privateData			

A.5.7.17 Service Initiated

This event must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Service Initiated			
localConnectionInfo			
correlatorData			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			
initiatedConnectionInfo			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
subjectOfCall			
messageInfo			
languagePreferences			
security			
privateData			

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A.5.7.18 Transferred

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Transferred			
secondaryOldCall			
localConnectionInfo			
correlatorData			
userData			
chargingInfo			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			
languagePreferences			
deviceHistory			
security			
privateData			

A.5.8 Call Associated Feature Services

A.5.8.1 Associate Data

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Associate Data			
Service Request optional parameters			
accountCode			
authCode			
correlatorData			
callQualifyingData			
callCharacteristics			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
subjectOfCall			
languagePreferences			
deviceInfo			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.8.2 Cancel Telephony Tones

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Cancel Telephony Tones			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.8.3 Change Connection Information

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Change Connection Information			
Service Request optional parameters			
security			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
privateData			
Service Response optional parameters			
security			
privateData			

A.5.8.4 Generate Digits

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Generate Digits			
Service Request optional parameters			
digitMode			
toneDuration			
pulseRate			
pauseDuration			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.8.5 Generate Telephony Tones

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Generate Telephony Tones			
Service Request optional parameters			
toneDuration			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.8.6 Send User Information

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Send User Information			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.9 Call Associated Feature Events

A.5.9.1 Call Information

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Call Information			
callingDevice			
accountInfo			
authorisationCode			
correlatorData			
servicesPermitted			
userData			
callQualifyingData			
connectionInfo			
callCharacteristics			
subjectOfCall			
languagePreferences			
deviceInfo			
security			
privateData			

A.5.9.2 Charging

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Charging			
cause			
security			
privateData			

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A.5.9.3 Digits Generated

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Digits Generated			
digitDurationList			
pauseDurationList			
connectionInfo			
security			
privateData			

A.5.9.4 Telephony Tones Generated

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Telephony Tones Generated			
toneGenerated			
toneFrequency			
toneDuration			
pauseDuration			
connectionInfo			
security			
privateData			

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A.5.9.5 Service Completion Failure

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Service Completion Failure			
secondaryCall			
otherDevicesPrimaryCallList			
otherDevicesSecondaryCallList			
mediaCallCharacteristics			
security			
privateData			

A.5.10 Media Attachment Services

A.5.10.1 Attach Media Service

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Attach Media Service			
Service Request optional parameters			
mediaServiceVersion			
mediaServiceInstanceID			
requestedConnectionState			
security			
privateData			
Service Response optional parameters			
mediaConnection			
mediaDevice			
mediaServiceInstanceID			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
mediaConnectionInfo			
security			
privateData			

A.5.10.2 Detach Media Service

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Detach Media Service			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.11 Media Attachment Events

A.5.11.1 Media Attached

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Media Attached			
mediaServiceVersion			
mediaServiceInstanceID			
mediaStreamID			
mediaCallCharacteristics			
callCharacteristics			

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Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
localConnectionInfo			
mediaConnectionInfo			
security			
privateData			

A.5.11.2 Media Detached

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Media Detached			
mediaServiceVersion			
mediaServiceInstanceID			
mediaStreamID			
mediaCallCharacteristics			
callCharacteristics			
localConnectionInfo			
mediaConnectionInfo			
security			
privateData			

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A.5.12 Routeing Services

A.5.12.1 Route Register

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Route Register			
Service Request optional parameters			
routeingDevice			
requestedRouteingMediaClass			
security			
privateData			
Service Response optional parameters			
actualRouteingMediaClass			
security			
privateData			

A.5.12.2 Route Register Abort

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Route Register Abort			
Service Request optional parameters			
security			
privateData			

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A.5.12.3 Route Register Cancel

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Route Register Cancel			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.12.4 Re-Route

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Re-Route			
Service Request optional parameters			
routeRegisterReqID			
replyTimeout			
correlatorData			
security			
privateData			

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A.5.12.5 Route End

This service must be supported if the Routeing Profile is supported (A.5.1).

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Route End			
Service Request optional parameters			
routeRegisterReqID			
errorValue			
correlatorData			
security			
privateData			

A.5.12.6 Route Reject

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Route Reject			
Service Request optional parameters			
routeRegisterReqID			
rejectCause			
correlatorData			
security			
privateData			

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A.5.12.7 Route Request

This service must be supported if the Routeing Profile is supported (A.5.1).

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Route Request			
Service Request optional parameters			
routeRegisterReqID			
callingDevice			
routeingDevice			
routedCall			
routeSelAlgorithm			
associatedCallingDevice			
associatedCalledDevice			
priority			
replyTimeout			
correlatorData			
mediaCallCharacteristics			
callCharacteristics			
routedCallInfo			
subjectOfCall			
messageInfo			
languagePreferences			
deviceHistory			
security			
privateData			

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A.5.12.8 Route Select

This service must be supported if the Routeing Profile is supported (A.5.1).

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Route Select			
Service Request optional parameters			
routeRegisterReqID			
alternateRoutes			
remainRetries			
routeUsedReq			
correlatorData			
security			
privateData			

A.5.12.9 Route Used

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Route Used			
Service Request optional parameters			
routeRegisterReqID			
callingDevice			
domain			
correlatorData			
security			
privateData			

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A.5.13 Physical Device Services

A.5.13.1 Button Press

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Button Press			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.13.2 Get Auditory Apparatus Information

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Auditory Apparatus Information			
Service Request optional parameters			
auditoryApparatus			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.13.3 Get Button Information

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Button Information			
Service Request optional parameters			
button			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.13.4 Get Display

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Display			
Service Request optional parameters			
displayID			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.13.5 Get HookSwitch Status

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get HookSwitch Status			
Service Request optional parameters			
hookswitch			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.13.6 Get Lamp Information

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Lamp Information			
Service Request optional parameters			
lamp			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.13.7 Get Lamp Mode

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Lamp Mode			
Service Request optional parameters			
lamp			
security			
privateData			
Service Response optional parameters			
lamp			
security			
privateData			

A.5.13.8 Get Message Waiting Indicator

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Message Waiting Indicator			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
deviceForMessage			
lampIsPresent			
security			
privateData			

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A.5.13.9 Get Microphone Gain

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Microphone Gain			
Service Request optional parameters			
auditoryApparatus			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.13.10 Get Microphone Mute

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Microphone Mute			
Service Request optional parameters			
auditoryApparatus			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.13.11 Get Ringer Status

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Ringer Status			
Service Request optional parameters			
ringer			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.13.12 Get Speaker Mute

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Speaker Mute			
Service Request optional parameters			
auditoryApparatus			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.13.13 Get Speaker Volume

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Speaker Volume			
Service Request optional parameters			
auditoryApparatus			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.13.14 Set Button Information

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Button Information			
Service Request optional parameters			
buttonLabel			
buttonAssociatedNumber			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.13.15 Set Display

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Display			
Service Request optional parameters			
displayID			
physicalBaseRowNumber			
physicalBaseColumnNumber			
offset			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.13.16 Set HookSwitch Status

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set HookSwitch Status			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.13.17 Set Lamp Mode

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Lamp Mode			
Service Request optional parameters			
lampBrightness			
lampColor			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.13.18 Set Message Waiting Indicator

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Message Waiting Indicator			
Service Request optional parameters			
deviceForMessage			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.13.19 Set Microphone Gain

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Microphone Gain			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.13.20 Set Microphone Mute

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Microphone Mute			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.13.21 Set Ringer Status

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Ringer Status			
Service Request optional parameters			
ringMode			
ringPattern			
ringVolume			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.13.22 Set Speaker Mute

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Speaker Mute			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.13.23 Set Speaker Volume

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Speaker Volume			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.14 Physical Device Events

A.5.14.1 Button Information

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Button Information			
buttonLabel			
buttonAssociatedNumber			
buttonPressIndicator			
security			
privateData			

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A.5.14.2 Button Press

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Button Press			
buttonLabel			
buttonAssociatedNumber			
security			
privateData			

A.5.14.3 Display Updated

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Display Updated			
displayID			
physicalRows			
physicalColumns			
physicalBaseRowNumber			
physicalBaseColumnNumber			
characterSet			
security			
privateData			

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A.5.14.4 Hookswitch

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Hookswitch			
security			
privateData			

A.5.14.5 Lamp Mode

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Lamp Mode			
lampLabel			
lampBrightness			
lampColor			
security			
privateData			

A.5.14.6 Message Waiting

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Message Waiting			
deviceForMessage			
security			
privateData			

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A.5.14.7 Microphone Gain

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Microphone Gain			
security			
privateData			

A.5.14.8 Microphone Mute

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Microphone Mute			
security			
privateData			

A.5.14.9 Ringer Status

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Ringer Status			
ringMode			
ringCount			
ringDuration			
ringPattern			
ringVolume			
security			
privateData			

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A.5.14.10 Speaker Mute

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Speaker Mute			
security			
privateData			

A.5.14.11 Speaker Volume

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Speaker Volume			
timeStamp			
security			
privateData			

A.5.15 Logical Device Services

A.5.15.1 Call Back Non-Call-Related

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Call Back Non-Call-Related			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.15.2 Call Back Message Non-Call-Related

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Call Back Message Non-Call-Related			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.15.3 Cancel Call Back

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Cancel Call Back			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.15.4 Cancel Call Back Message

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Cancel Call Back Message			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.15.5 Get Agent State

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Agent State			
Service Request optional parameters			
acdGroup			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.15.6 Get Auto Answer

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Auto Answer			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
numberOfRings			
security			
privateData			

A.5.15.7 Get Auto Work Mode

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Auto Work Mode			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
autoWorkInterval			
security			
privateData			

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A.5.15.8 Get CallBack

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get CallBack			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.15.9 Get Caller ID Status

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Caller ID Status			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.15.10 Get Do Not Disturb

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Do Not Disturb			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
callOrigination			
callingDeviceList			
security			
privateData			

A.5.15.11 Get Forwarding

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Forwarding			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.15.12 Get Last Number Dialled

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Last Number Dialled			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.15.13 Get Routeing Mode

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Get Routeing Mode			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.15.14 Set Agent State

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Agent State			
Service Request optional parameters			
agentID			
password			
group			
security			
privateData			
Service Response optional parameters			
pendingAgentState			
security			
privateData			

A.5.15.15 Set Auto Answer

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Auto Answer			
Service Request optional parameters			
numberOfRings			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.15.16 Set Auto Work Mode

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Auto Work Mode			
Service Request optional parameters			
autoWorkInterval			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.15.17 Set Caller ID Status

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Caller ID Status			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.15.18 Set Do Not Disturb

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Do Not Disturb			
Service Request optional parameters			
callOrigination			
callingDeviceList			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.15.19 Set Forwarding

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Forwarding			
Service Request optional parameters			
forwardingType			
forwardDN			
ringCount			
ringDuration			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.15.20 Set Routeing Mode

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Routeing Mode			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.16 Logical Device Events

A.5.16.1 Agent Busy

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Agent Busy			
agentID			
acdGroup			
pendingAgentState			
cause			
security			
privateData			

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A.5.16.2 Agent Logged Off

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Agent Logged Off			
agentID			
acdGroup			
agentPassword			
cause			
security			
privateData			

A.5.16.3 Agent Logged On

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Agent Logged On			
agentID			
acdGroup			
agentPassword			
cause			
security			
privateData			

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A.5.16.4 Agent Not Ready

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Agent Not Ready			
agentID			
acdGroup			
cause			
security			
privateData			

A.5.16.5 Agent Ready

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Agent Ready			
agentID			
acdGroup			
cause			
security			
privateData			

A.5.16.6 Agent Working After Call

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Agent Working After Call			
agentID			
acdGroup			
pendingAgentState			

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Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
cause			
security			
privateData			

A.5.16.7 Auto Answer

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Auto Answer			
numberOfRings			
security			
privateData			

A.5.16.8 Auto Work Mode

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Auto Work Mode			
security			
privateData			

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A.5.16.9 Call Back

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Call Back			
security			
privateData			

A.5.16.10 Call Back Message

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Call Back Message			
security			
privateData			

A.5.16.11 Caller ID Status

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Caller ID Status			
security			
privateData			

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A.5.16.12 Do Not Disturb

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Do Not Disturb			
callOrigination			
callingDeviceList			
security			
privateData			

A.5.16.13 Forwarding

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Forwarding			
forwardingType			
forwardTo			
forwardDefault			
ringCount			
ringDuration			
security			
privateData			

A.5.16.14 Routeing Mode

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Routeing Mode			
security			
privateData			

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A.5.17 Device Maintenance Events

A.5.17.1 Back In Service

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Back In Service			
cause			
security			
privateData			

A.5.17.2 Device Capabilities Changed

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Device Capabilities Changed			
cause			
security			
privateData			

A.5.17.3 Out of Service

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Out of Service			
cause			
security			
privateData			

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A.5.17.4 Partially In Service

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Partially In Service			
cause			
security			
privateData			

A.5.18 I/O Services

A.5.18.1 I/O Register

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
I/O Register			
Service Request optional parameters			
ioDevice			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.18.2 I/O Register Abort

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
I/O Register Abort			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Service Request optional parameters			
security			
privateData			

A.5.18.3 I/O Register Cancel

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
I/O Register Cancel			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.18.4 Data Path Resumed

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Data Path Resumed			
Service Request optional parameters			
ioRegisterReqID			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.18.5 Data Path Suspended

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Data Path Suspended			
Service Request optional parameters			
ioRegisterReqID			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.18.6 Fast Data

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Fast Data			
Service Request optional parameters			
ioRegisterReqID			
dataPathType			
displayAttributes			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.18.7 Resume Data Path

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Resume Data Path			
Service Request optional parameters			
ioRegisterReqID			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.18.8 Send Broadcast Data

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Send Broadcast Data			
Service Request optional parameters			
dataPathType			
displayAttributes			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.18.9 Send Data

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Send Data			
Service Request optional parameters			
ioRegisterReqID			
displayAttributes			
ioCause			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.18.10 Send Multicast Data

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Send Multicast Data			
Service Request optional parameters			
ioData			
displayAttributes			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.18.11 Start Data Path

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Start Data Path			
Service Request optional parameters			
ioRegisterReqID			
dataPathDirection			
dataPathType			
displayID			
numberOfCharsToCollect			
terminationCharacter			
timeout			
security			
privateData			
Service Response optional parameters			
numberOfCharsToCollect			
terminationCharacter			
timeout			
security			
privateData			

A.5.18.12 Stop Data Path

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Stop Data Path			
Service Request optional parameters			
ioRegisterReqID			
security			
privateData			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Service Response optional parameters			
security			
privateData			

A.5.18.13 Suspend Data Path

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Suspend Data Path			
Service Request optional parameters			
ioRegisterReqID			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.19 Data Collection Services

A.5.19.1 Data Collected

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Data Collected			
Service Request optional parameters			
digitsData			
telTonesData			
connectionInfo			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
dcollCause			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.19.2 Data Collection Resumed

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Data Collection Resumed			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.19.3 Data Collection Suspended

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Data Collection Suspended			
Service Request optional parameters			
security			
privateData			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Service Response optional parameters			
security			
privateData			

A.5.19.4 Resume Data Collection

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Resume Data Collection			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.19.5 Start Data Collection

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Start Data Collection			
Service Request optional parameters			
dataCollType			
digitsReportingCriteria			
security			
privateData			

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Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Service Response optional parameters			
security			
privateData			

A.5.19.6 Stop Data Collection

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Stop Data Collection			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.19.7 Suspend Data Collection

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Suspend Data Collection			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.20 Voice Services

A.5.20.1 Activate

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Activate			
Service Request optional parameters			
resource			
grammarName			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.20.2 Clear

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Clear Message			
Service Request optional parameters			
resource			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.20.3 Concatenate Message

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Concatenate Message			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.20.4 Deactivate

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Deactivate			
Service Request optional parameters			
resource			
grammarName			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.20.5 Delete Message

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Delete Message			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.20.6 Play Message

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Play Message			
Service Request optional parameters			
duration			
termination			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.20.7 Query Voice Attribute

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Query Voice Attribute			
Service Request optional parameters			
messageToQuery			
resource			
connection			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.20.8 Queue Service

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Queue Service			
Service Request optional parameters			
message			
resource			
text			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.20.9 Record Message

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Record Message			
Service Request optional parameters			
resource			
samplingRate			
encodingAlgorithm			
maxDuration			
termination			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.20.10 Reposition

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Reposition			
Service Request optional parameters			
messageToReposition			
resource			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.20.11 Resume

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Resume			
Service Request optional parameters			
messageToResume			
resource			
duration			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.20.12 Review

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Review			
Service Request optional parameters			
messageToReview			
resource			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.20.13 Set Voice Attribute

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Set Voice Attribute			
Service Request optional parameters			
message			
resource			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.20.14 Start

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Start			
Service Request optional parameters			
resource			
text			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.20.15 Stop

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Stop			
Service Request optional parameters			
messageToBeStopped			
resource			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.20.16 Suspend

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Suspend			
Service Request optional parameters			
message			
resource			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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A.5.20.17 Synthesize Message

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Synthesize Message			
Service Request optional parameters			
control			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.21 Voice Events

A.5.21.1 Bookmark Reached

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Bookmark Reached			
resource			
cause			
servicesPermitted			
security			
privateData			

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A.5.21.2 Completed

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Completed			
resource			
cause			
servicesPermitted			
security			
privateData			

A.5.21.3 DTMF Detected

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
DTMF Detected			
resource			
cause			
servicesPermitted			
security			
privateData			

A.5.21.4 Emptied

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Emptied			
resource			
cause			

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Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
servicesPermitted			
security			
privateData			

A.5.21.5 Interruption Detected

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Interruption Detected			
resource			
cause			
servicesPermitted			
security			
privateData			

A.5.21.6 Not Recognized

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Not Recognized			
resource			
result			
cause			
servicesPermitted			
security			
privateData			

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A.5.21.7 Play

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Play			
message			
resource			
length			
currentPosition			
speed			
cause			
servicesPermitted			
security			
privateData			

A.5.21.8 Recognized

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Play			
resource			
cause			
servicesPermitted			
security			
privateData			

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A.5.21.9 Record

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Record			
message			
resource			
length			
currentPosition			
cause			
servicesPermitted			
security			
privateData			

A.5.21.10 Review

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Review			
message			
resource			
length			
currentPosition			
cause			
servicesPermitted			
security			
privateData			

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A.5.21.11 Silence Timeout Expired

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Silence Timeout Expired			
resource			
cause			
servicesPermitted			
security			
privateData			

A.5.21.12 Speech Detected

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Speech Detected			
resource			
cause			
servicesPermitted			
security			
privateData			

A.5.21.13 Started

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Started			
resource			
cause			

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Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
servicesPermitted			
security			
privateData			

A.5.21.14 Stop

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Stop			
message			
resource			
length			
currentPosition			
cause			
servicesPermitted			
security			
privateData			

A.5.21.15 Suspend Play

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Suspend Play			
message			
resource			
length			
currentPosition			
cause			

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Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
servicesPermitted			
security			
privateData			

A.5.21.16 Suspend Record

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Suspend Record			
message			
resource			
length			
currentPosition			
cause			
servicesPermitted			
security			
privateData			

A.5.21.17 Voice Attribute Changed

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Voice Attribute Changed			
message			
resource			
playVolume			
recordingGain			
speed			

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Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
currentPosition			
grammars			
language			
mode			
retainAudio			
silenceTimeout			
maxTimeout			
babbleTimeout			
endSilence			
rejectionThreshold			
autoInterruptable			
innerXML			
interdigitTimeout			
preflush			
cause			
security			
privateData			

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A.5.21.18 Voice Error Occurred

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
Voice Error Occurred			
resource			
cause			
servicesPermitted			
security			
privateData			

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A.5.22 Call Detail Record (CDR) Services

A.5.22.1 Call Detail Records Notification

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Call Detail Records Notification			
Service Request optional parameters			
cdrReason			
security			
privateData			
Service Response optional parameters			
security			
privateData			

A.5.22.2 Call Detail Records Report

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Call Detail Records Report			
Service Request optional parameters			
security			
privateData			
Service Response optional parameters			
security			
privateData			

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