
**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*

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

© ISO/IEC 2005

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

1	Scope	1
2	Conformance	1
2.1	Static Requirements	1
2.2	Dynamic Requirements	1
2.3	PICS Requirement	1
3	References	2
3.1	ECMA/ISO Standards and Technical Reports	2
3.2	World Wide Web Consortium Specifications	2
4	Definitions and Abbreviations	2
5	CSTA Service Definition Model	2
5.1	Request/Response Interactions	2
5.2	Request/Response Protocol Requirements	2
5.3	Cross Referencing of Event Reports	3
5.4	Handling of Private Data	3
6	Interconnection service boundary	3
7	Association Management	3
7.1	Implicit association	3
7.2	Explicit association	3
8	XML Template Description	3
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	11
9.5	Status reporting	12
9.6	Device and feature types and other parameters	17
9.7	Security	26
9.8	Common extensions	27
9.9	Call control	28

9.10	Capability Exchange	33
9.11	Call Detail Record	95
9.12	Charge information	98
9.13	Data call types	100
9.14	Escape types	101
9.15	Media services	102
9.16	Physical device features	105
9.17	Data Collection	108
9.18	Event Cause	109
9.19	Error Value	111
9.20	Empty (null element)	116
10	Top level schema	117
11	Capability exchange services	123
11.1	Services	123
11.1.1	Get csta features	123
11.1.2	Get logical device information	125
11.1.3	Get physical device information	127
11.1.4	Get switching function capabilities	128
11.1.5	Get switching function devices	132
11.1.6	Switching function devices	133
12	System services	134
12.1	Registration services	134
12.1.1	Change system status filter	134
12.1.2	System register	135
12.1.3	System register abort	136
12.1.4	System register cancel	137
12.2	Services	138
12.2.1	Request system status	138
12.2.2	System status	139
12.2.3	Switching function capabilities changed	140
12.2.4	Switching function devices changed	141
13	Monitoring services	142
13.1	Services	142
13.1.1	Change monitor filter	142

13.1.2	Monitor start	143
13.1.3	Monitor stop	144
14	Snapshot services	145
14.1	Services	145
14.1.1	Snapshot call	145
14.1.2	Snapshot device	146
14.1.3	Snapshot calldata	147
14.1.4	Snapshot devicedata	148
15	Call control services and events	149
15.1	Services	149
15.1.1	Accept call	149
15.1.2	Alternate call	150
15.1.3	Answer call	151
15.1.4	Call back call-related	152
15.1.5	Call back message call-related	153
15.1.6	Camp on call	154
15.1.7	Clear call	155
15.1.8	Clear Connection	156
15.1.9	Conference call	157
15.1.10	Consultation call	158
15.1.11	Deflect call	159
15.1.12	Dial digits	160
15.1.13	Directed pickup call	161
15.1.14	Group pickup call	162
15.1.15	Hold call	163
15.1.16	Intrude call	164
15.1.17	Join call	165
15.1.18	Make call	166
15.1.19	Make predictive call	167
15.1.20	Park call	169
15.1.21	Reconnect call	170
15.1.22	Retrieve call	171
15.1.23	Send Message	172
15.1.24	Single step conference call	173
15.1.25	Single step transfer call	174
15.1.26	Transfer call	175

15.2	Events	176
15.2.1	Bridged	176
15.2.2	Call cleared	177
15.2.3	Conferenced	178
15.2.4	Connection cleared	179
15.2.5	Delivered	180
15.2.6	Digits dialed	181
15.2.7	Diverted	182
15.2.8	Established	183
15.2.9	Failed	184
15.2.10	Held	185
15.2.11	Network capabilities changed	186
15.2.12	Network reached	187
15.2.13	Offered	188
15.2.14	Originated	189
15.2.15	Queued	190
15.2.16	Retrieved	191
15.2.17	Service initiated	192
15.2.18	Transferred	193
16	Call associated features	194
16.1	Services	194
16.1.1	Associate data	194
16.1.2	Cancel telephony tones	195
16.1.3	Change connection information	196
16.1.4	Generate digits	197
16.1.5	Generate telephony tones	198
16.1.6	Send user information	199
16.2	Events	200
16.2.1	Call information	200
16.2.2	Charging	201
16.2.3	Digits generated	202
16.2.4	Telephony tones generated	203
16.2.5	Service completion failure	204
17	Media attachment services and events	205
17.1	Services	205
17.1.1	Attach media service	205
17.1.2	Detach media service	206

17.2	Events	207
17.2.1	Media attached	207
17.2.2	Media detached	208
18	Routeing services	209
18.1	Registration services	209
18.1.1	Route register	209
18.1.2	Route register abort	210
18.1.3	Route register cancel	211
18.2	Services	212
18.2.1	Re-Route	212
18.2.2	Route end	213
18.2.3	Route reject	214
18.2.4	Route request	215
18.2.5	Route select	216
18.2.6	Route used	217
19	Physical device features	218
19.1	Services	218
19.1.1	Button press	218
19.1.2	Get auditory apparatus information	219
19.1.3	Get button information	220
19.1.4	Get display	221
19.1.5	Get hookswitch status	222
19.1.6	Get lamp information	223
19.1.7	Get lamp mode	224
19.1.8	Get message waiting indicator	225
19.1.9	Get microphone gain	226
19.1.10	Get microphone mute	227
19.1.11	Get ringer status	228
19.1.12	Get speaker mute	229
19.1.13	Get speaker volume	230
19.1.14	Set button information	231
19.1.15	Set display	232
19.1.16	Set hookswitch status	233
19.1.17	Set lamp mode	234
19.1.18	Set message waiting indicator	235
19.1.19	Set microphone gain	236
19.1.20	Set microphone mute	237

19.1.21	Set ringer status	238
19.1.22	Set speaker mute	239
19.1.23	Set speaker volume	240
19.2	Events	241
19.2.1	Button information	241
19.2.2	Button press	242
19.2.3	Display updated	243
19.2.4	Hookswitch	244
19.2.5	Lamp mode	245
19.2.6	Message waiting	246
19.2.7	Microphone gain	247
19.2.8	Microphone mute	248
19.2.9	Ringer status	249
19.2.10	Speaker mute	250
19.2.11	Speaker volume	251
20	Logical device features	252
20.1	Services	252
20.1.1	Call back non-call-related	252
20.1.2	Call back message non-call-related	253
20.1.3	Cancel call back	254
20.1.4	Cancel call back message	255
20.1.5	Get agent state	256
20.1.6	Get auto answer	258
20.1.7	Get auto work mode	259
20.1.8	Get caller id status	260
20.1.9	Get do not disturb	261
20.1.10	Get forwarding	262
20.1.11	Get last number dialed	263
20.1.12	Get routing mode	264
20.1.13	Set agent state	265
20.1.14	Set auto answer	266
20.1.15	Set auto work mode	267
20.1.16	Set caller id status	268
20.1.17	Set do not disturb	269
20.1.18	Set forwarding	270
20.1.19	Set routing mode	271
20.2	Events	272

20.2.1	Agent busy	272
20.2.2	Agent logged off	273
20.2.3	Agent logged on	274
20.2.4	Agent not ready	275
20.2.5	Agent ready	276
20.2.6	Agent working after call	277
20.2.7	Auto answer	278
20.2.8	Auto work mode	279
20.2.9	Call back	280
20.2.10	Call back message	281
20.2.11	Caller id status	282
20.2.12	Do not disturb	283
20.2.13	Forwarding	284
20.2.14	Routeing mode	285
21	Device maintenance events	286
21.1	Events	286
21.1.1	Back in service	286
21.1.2	Device capabilities changed	287
21.1.3	Out of service	288
21.1.4	Partially In service	289
22	I/O services	290
22.1	Registration services	290
22.1.1	I/O register	290
22.1.2	I/O register abort	291
22.1.3	I/O register cancel	292
22.2	Services	293
22.2.1	Data path resumed	293
22.2.2	Data path suspended	294
22.2.3	Fast data	295
22.2.4	Resume data path	296
22.2.5	Send broadcast data	297
22.2.6	Send data	298
22.2.7	Send multicast data	299
22.2.8	Start data path	300
22.2.9	Stop data path	301
22.2.10	Suspend data path	302

23	Data Collection Services	303
23.1	Services	303
23.1.1	Data Collected	303
23.1.2	Data Collection Resumed	305
23.1.3	Data Collection Suspended	306
23.1.4	Resume Data Collection	307
23.1.5	Start Data Collection	308
23.1.6	Stop Data Collection	309
23.1.7	Suspend Data Collection	310
24	Voice services and events	311
24.1	Services	311
24.1.1	Activate	311
24.1.2	Clear	312
24.1.3	Concatenate message	313
24.1.4	Deactivate	314
24.1.5	Delete message	315
24.1.6	Play message	316
24.1.7	Query voice attribute	317
24.1.8	Queue service	318
24.1.9	Record message	319
24.1.10	Reposition	320
24.1.11	Resume	321
24.1.12	Review	322
24.1.13	Set voice attribute	323
24.1.14	Start	325
24.1.15	Stop	326
24.1.16	Suspend	327
24.1.17	Synthesize message	328
24.2	Events	329
24.2.1	Bookmark reached	329
24.2.2	Completed	330
24.2.3	DTMF detected	331
24.2.4	Emptied	332
24.2.5	Interruption detected	333
24.2.6	Not recognized	334
24.2.7	Play	335
24.2.8	Recognized	336

IEC NORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.2.9	Record	337
24.2.10	Review	338
24.2.11	Silence timeout expired	339
24.2.12	Speech detected	340
24.2.13	Started	341
24.2.14	Stop	342
24.2.15	Suspend play	343
24.2.16	Suspend record	344
24.2.17	Voice attribute changed	345
24.2.18	Voice error occurred	347
25	Call detail record services	348
25.1	Services	348
25.1.1	Call detail records notification	348
25.1.2	Call detail records report	349
25.1.3	Send stored call detail records	350
25.1.4	Start call detail records transmission	351
25.1.5	Stop call detail records transmission	352
26	Vendor specific extensions services and events	353
26.1	Registration services	353
26.1.1	Escape register	353
26.1.2	Escape register abort	354
26.1.3	Escape register cancel	355
26.2	Services	356
26.2.1	Escape	356
26.2.2	Private data version selection	357
26.3	Events	358
26.3.1	Private event	358
Annex A	Protocol Implementation Conformance Statement (PICS) Proforma	359
A.1	Introduction	359
A.2	Conformance	359
A.3	Instructions for completing the PICS proforma	359
A.4	Implementation identification	360
A.5	PICS proforma	360
A.5.1	CSTA Profiles	360
A.5.2	Capability Exchange Services	361
A.5.3	System Services	367

A.5.4	Monitoring Services	371
A.5.5	Snapshot Services	373
A.5.6	Call Control Services	375
A.5.7	Call Control Events	391
A.5.8	Call Associated Feature Services	404
A.5.9	Call Associated Feature Events	407
A.5.10	Media Attachment Services	410
A.5.11	Media Attachment Events	411
A.5.12	Routeing Services	412
A.5.13	Physical Device Services	416
A.5.14	Physical Device Events	428
A.5.15	Logical Device Services	432
A.5.16	Logical Device Events	441
A.5.17	Device Maintenance Events	446
A.5.18	I/O Services	447
A.5.19	Data Collection Services	453
A.5.20	Voice Services	457
A.5.21	Voice Events	465
A.5.22	Call Detail Record (CDR) Services	474
A.5.23	Vendor Specific Extension Services	476
A.5.24	Vendor Specific Extension Events	478

Annex B - Examples of Device Identifier Element Encodings 479

B.1	Simple DeviceID (no attributes)	479
B.2	DeviceID typed as a dialing number	479
B.3	DeviceID typed as a device number	479
B.4	DeviceID typed as a explicit national number	479
B.5	DeviceID typed as other type of numbering plan	479
B.6	DeviceID media characteristics	479
B.7	DeviceID including all attributes	479

Annex C - Examples of Connection ID Encodings 480

C.1	Fully Specified Connection ID	480
C.2	CallID only ConnectionID	480
C.3	DeviceID only ConnectionID	480

Annex D - Examples of CSTA-specific XML 481

D.1	Make Call service request - with only mandatory elements	481
D.2	Make Call service request - with optional elements	481
D.3	Make Call - Positive Acknowledgement	482

D.4	Make Call - Negative Acknowledgement	482
D.5	Delivered Event	482
Annex E - CSTA XML with SOAP		483
E.1	CSTA service request	483
E.2	CSTA service response (positive acknowledgement)	483
E.3	CSTA service response (negative acknowledgement)	484
E.4	Delivered Event	484
Annex F - CSTA XML with SOAP with HTTP		486
F.1	CSTA service request	486
F.2	CSTA service response (positive acknowledgement)	486
F.3	CSTA service response (negative acknowledgement)	487
F.4	Delivered Event	487
Annex G - CSTA XML over TCP		489
G.1	Message Format	489
G.2	TCP without SOAP	489
G.3	TCP with SOAP	490
Annex H - CSTA Data Type Schema for Encapsulation		491
H.1	CSTA Data Type Schema	491
H.2	CSTA Data Type Example	491
Annex I - Registration Template for application/CSTA+XML MIME Media Type		492
Annex J - Registration Template for text/CSTA-type MIME Media Type		493
Annex K - CSTA Over SIP Transport Mechanism		494
K.1	Establishing a CSTA Application Session	494
K.2	Transporting CSTA Service Requests and Responses	495
K.3	Starting a Monitor and Transporting CSTA Events	496
Annex L - Summary of changes in this edition		497

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*, Subcommittee SC 6, *Telecommunications and information exchange between systems*, in parallel with its approval by national bodies of ISO and IEC.

This second edition cancels and replaces the first edition (ISO/IEC 18056:2004), which has been technically revised.

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

Introduction

This Standard defines an XML protocol for Phase III of Computer Supported Telecommunications Applications (CSTA). 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*.

This edition of Phase III XML Protocol for CSTA adds the ability to:

- support non-voice media interactions such as Email, Instant Messaging, and Chat.
- utilize SIP based features supported by underlying protocol layers.
- use CSTA Standards for Voice Browser applications by the addition of three new profiles.

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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

1 Scope

This Standard specifies an XML protocol for the services described in ECMA-269, Services for Computer Supported Telecommunications Applications (CSTA) Phase III.

This Standard provides an alternative protocol to the ASN.1 based protocol specified in ECMA-285.

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 Standard.

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

Annex A specifies the PICS for this Standard.

Examples of CSTA XML encodings are provided in annex B through annex G.

2 Conformance

A manufacturer may select any part of the CSTA protocol, as specified in this Standard, for implementation on a system as long as it satisfies the minimum conformance requirements as specified in clause 2 of ECMA-269.

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 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 Standard, a system shall:

- a. follow the procedures as specified in this Standard, and ECMA-269, relevant to each CSTA operation that the system claims to implement; and
- b. satisfy the definitions, as specified in ECMA-269, relevant to each CSTA service that the system claims to implement.

2.3 PICS Requirement

To conform to this 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 ECMA-269, are supported by the system for the particular implementation; and
- b. which optional parameters are supported by each supported operations.

A PICS proforma is specified in annex A of this Standard.

3 References

3.1 ECMA/ISO Standards and Technical Reports

ECMA-269	Services for Computer Supported Telecommunications Applications (CSTA) Phase III, 6th edition (June 2004)
ECMA-285	Protocol for Computer Supported Telecommunications Applications (CSTA) Phase III, 2nd edition (June 2000)
ECMA-354	Application Session Services (June 2004)
ECMA TR/72	Glossary of Definitions and Terminology for Computer Supported Telecommunications Applications (CSTA) Phase III, 3rd edition (June 2000)
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)

3.2 World Wide Web Consortium Specifications

XML 1.0	XML 1.0. W3C Recommendation February 1998 (revised October 2000)
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 ECMA TR/72.

5 CSTA Service Definition Model

CSTA services specified in ECMA-269 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 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 Standard does not mandate that a specific request/response protocol be used. However, this 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 E.

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 ECMA-269).

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.

6 Interconnection service boundary

The protocol in this Standard 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 Standard.

7 Association Management

The protocol in this Standard operates in the context of an application association. 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.

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 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 ECMA-269, the CSTA Association Information includes CSTA Version information that indicates the CSTA protocol versions supported by an implementation. The protocol defined in this Standard is indicated by setting the versionEight bit in the CSTAVersion parameter of the CSTA Association Information as defined in 8.2.2 of ECMA-285. Note that the ACSE messages are ASN.1 encoded while the CSTA messages are XML encoded as defined by this Standard.

An explicit application can also be established by using ECMA-354, Application Session Services.

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 ECMA-269.

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 Standard the target namespace is defined as “http://www.ecma-international.org/standards/ecma-323/csta/ed3”. *Note that this namespace is different than the namespace used in ECMA-323, 1st Edition and ECMA-323, 2nd 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 ECMA-269.). 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 ECMA-269 is represented as an XML element and each parameter type in ECMA-269 is represented as an XML simple or complex type.

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"  
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

```
<xsd:annotation>  
  <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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

9.2 Device Identifiers

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
      <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>
      <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:extension>
  </xsd:simpleContent>

```

```

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

</xsd:schema>

```

IEC 60900 © IEC 2005. Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
        <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:extension>
    </xsd:simpleContent>
  </xsd:complexType>

```

```

</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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

9.4 Connection states

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
      <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/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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">
      <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"/>
    <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:sequence>
</xsd:complexType>

```

```

<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="routingMode" 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"/>
<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>
    <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:restriction>

```

ISO/IEC 18056:2005(E)

```
<xsd:enumeration value="callQueuedHeld"/>
<xsd:enumeration value="callFailed"/>
<xsd:enumeration value="callFailedHeld"/>
<xsd:enumeration value="callBlocked"/>
</xsd:restriction>
</xsd:simpleType>

</xsd:schema>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>

  <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>
      </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:restriction>
</xsd:simpleType>

```

ECOPM.COM : Click to view the full PDF of ISO/IEC 18056:2005

```

<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">
<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: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="forwardDNDEExt"/>
</xsd:restriction>
</xsd:simpleType>

<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>
    <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">
  <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:restriction>

```

```
<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"/>
<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"/>
<xsd:enumeration value="switchSpec19"/>
<xsd:enumeration value="switchSpec20"/>
<xsd:enumeration value="switchSpec21"/>
<xsd:enumeration value="switchSpec22"/>
<xsd:enumeration value="switchSpec23"/>
<xsd:enumeration value="switchSpec24"/>
<xsd:enumeration value="switchSpec25"/>
<xsd:enumeration value="switchSpec26"/>
<xsd:enumeration value="switchSpec27"/>
<xsd:enumeration value="switchSpec28"/>
<xsd:enumeration value="switchSpec29"/>
<xsd:enumeration value="switchSpec30"/>
<xsd:enumeration value="switchSpec31"/>
<xsd:enumeration value="switchSpec32"/>
<xsd:enumeration value="switchSpec33"/>
<xsd:enumeration value="switchSpec34"/>
<xsd:enumeration value="switchSpec35"/>
<xsd:enumeration value="switchSpec36"/>
<xsd:enumeration value="switchSpec37"/>
<xsd:enumeration value="switchSpec38"/>
<xsd:enumeration value="switchSpec39"/>
<xsd:enumeration value="switchSpec40"/>
<xsd:enumeration value="switchSpec41"/>
<xsd:enumeration value="switchSpec42"/>
<xsd:enumeration value="switchSpec43"/>
<xsd:enumeration value="switchSpec44"/>
<xsd:enumeration value="switchSpec45"/>
<xsd:enumeration value="switchSpec46"/>
<xsd:enumeration value="switchSpec47"/>
<xsd:enumeration value="switchSpec48"/>
<xsd:enumeration value="switchSpec49"/>
<xsd:enumeration value="switchSpec50"/>
<xsd:enumeration value="switchSpec51"/>
<xsd:enumeration value="switchSpec52"/>
<xsd:enumeration value="switchSpec53"/>
<xsd:enumeration value="switchSpec54"/>
<xsd:enumeration value="switchSpec55"/>
<xsd:enumeration value="switchSpec56"/>
<xsd:enumeration value="switchSpec57"/>
```

ISO/IEC 18056:2005
View the full PDF of ISO/IEC 18056:2005

```

<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"/>
<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>

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

</xsd:schema>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

9.7 Security

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

  <xsd:complexType name="CSTACCommonArguments">
    <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:CSTACCommonArguments"/>
</xsd:schema>

```

IECNORM.COM: Click to view the full PDF of ISO/IEC 18056:2005

9.9 Call control

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
      <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: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:sequence>
  </xsd:complexType>

```

```

</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>
</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="mediaAttachementServices" 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">
          <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"/>
    <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: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"/>
    <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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

9.10 Capability Exchange

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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:Empty"/>
    <xsd:element name="getSwitchingFunctionDevices" type="csta:GetSwitchingFunctionDevicesCaps" minOccurs="0"/>
    <xsd:element name="switchingFunctionDevices" type="csta:SwitchingFunctionDevicesCaps" minOccurs="0"/>
  </xsd:sequence>
</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="maxDevicesInConflnAck" 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="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">
  <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"/>
    <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">
  <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="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:sequence>

```

```

<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="swDomainDefaultForMonitorTypesDevice" 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"/>
<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="localConnectionStateInAck" 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"/>
<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>
<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:sequence>
</xsd:complexType>
<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="conferenceCallOnfolnAck" 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:sequence>

```

```

<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="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"/>
<xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="initiatedCallInfolnAck" 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="pickedCallInfolnAck" 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="pickedCallInfolnAck" type="xsd:boolean" minOccurs="0"/>
<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="conferencedCallInfolnAck" 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="conferencedCallInfolnAck" 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"/>
<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="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: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="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="initiatedCallInfolnAck" 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>
</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="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"/>
<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="resolutionConnectionInformation" 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="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"/>
    <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:sequence>

```

```

<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>
</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"/>
    <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"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="HeldCaps">
  <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="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"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="NetwCapsChangedCaps">
  <xsd:sequence>
    <xsd:element name="progressLocationUser" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="progressLocationPrivateServLocal" type="xsd:boolean" minOccurs="0"/>
    <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"/>
    <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:sequence>

```

```

<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"/>
<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="eventsProvidedTransferred" 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"/>
<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"/>
<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="sendUserInfo" type="csta:SendUserInfoCaps" 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">
  <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"/>
    <xsd:element name="toneToSendSf21" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf22" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf23" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf24" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf25" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf26" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendSf27" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>

```



```

<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="SendUserInfoCaps">
<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="CallAssociatedEvsList">
<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="authorisationCode" 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="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"/>
<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"/>
    <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="requestedMonitorMediaClassEmail" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedMonitorMediaClassMessage" 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>
<xsd:complexType name="RouteEndCaps">
  <xsd:sequence>
    <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"/>
    <xsd:element name="supportsReceiving" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

```

```

</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RouteRejectCaps">
  <xsd:sequence>
    <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">
  <xsd:sequence>
    <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"/>
    <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"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RouteSelectCaps">
  <xsd:sequence>
    <xsd:element name="alternateRoutes" type="xsd:boolean" minOccurs="0"/>
    <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"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="RouteUsedCaps">
  <xsd:sequence>
    <xsd:element name="callingDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="domain" 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="PhysDevServList">
  <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:sequence>

```

```

<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"/>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ButtonPressCaps">
  <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="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="auditoryApparatusTypeeother" 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>
    <xsd:element name="lamp" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModelInAck" 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="lampsPresentInAck" 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:sequence>

```

```

    <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="speakerVolAbslnAck" 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>
</xsd:complexType>
<xsd:complexType name="SetDisplayCaps">
  <xsd:sequence>
    <xsd:element name="physBaseRowIndex" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="physColumnRowIndex" 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"/>
  </xsd:sequence>
</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">
  <xsd:sequence>
    <xsd:element name="lampModeBrokenFlutter" type="xsd:boolean" minOccurs="0"/>
    <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"/>
    <xsd:element name="lampModeSf3" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf4" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf5" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf6" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf7" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf8" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf9" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf10" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf11" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf12" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf13" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf14" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf15" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf16" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf17" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf18" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf19" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf20" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf21" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="lampModeSf22" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>

```



```

</xsd:complexType>
<xsd:complexType name="SetRingerStatusCaps">
  <xsd:sequence>
    <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"/>
    <xsd:element name="ringVolumeInc" 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="SetSpeakerMuteCaps">
  <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="SetSpeakerVolumeCaps">
  <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: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"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="PhysDevEvtsList">
  <xsd:sequence>
    <xsd:element name="buttonInformation" type="csta:ButtonInformationCaps" minOccurs="0"/>
    <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"/>
    <xsd:element name="speakerVolume" type="csta:SpeakerVolumeCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ButtonInformationCaps">
  <xsd:sequence>
    <xsd:element name="buttonLabel" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="buttonAssociatedNumber" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="buttonPressIndicator" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="ButtonPressEventCaps">
  <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:sequence>
</xsd:complexType>
<xsd:complexType name="DisplayUpdatedCaps">
  <xsd:sequence>
    <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="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

```



```

<xsd:element name="lampColorSf87" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="lampColorSf88" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="lampColorSf89" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="lampColorSf90" type="xsd:boolean" minOccurs="0"/>
<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>
    <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:sequence>

```

```

<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"/>
<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">
<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="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"/>
    <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>
    <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="GetRoutingModeCaps">
  <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="aCDDDeviceAllowedInReq" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>

```

```

    <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"/>
    <xsd:element name="aCDDDeviceAllowedInReq" 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="forwardingTypeImmediateInt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeImmediateExt" 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>
    <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:sequence>

```

```

<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>
<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="forwardingTypeImmediateInt" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="forwardingTypeImmediateExt" 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>
</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"/>
    <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: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"/>
  </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:sequence>

```

```

<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"/>
<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>
</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"/>
    <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="attribInAckEncodingAlgorithmMulLawPCM6K" 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:sequence>

```

```

<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"/>
    <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: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">
  <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:sequence>

```

```

    <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>
</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>
</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: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"/>
    <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:sequence>

```

```

<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"/>
<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"/>
<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"/>
<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"/>
  </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:restriction>
      </xsd:simpleType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>

```

```

    <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"/>
    <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="sendUserInfo" type="xsd:long"/>
  </xsd:sequence>
</xsd:complexType>

```

```

<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"/>
<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"/>
<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="routingDevice"/>
<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">
<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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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">
    <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:TimelInfo"/>
    <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:TimelInfo" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
```

```

<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>

<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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

9.12 Charge information

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

9.13 Data call types

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

9.14 Escape types

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

9.15 Media services

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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="digitalDataIsochronousleee1394"/>
      <xsd:enumeration value="digitalDataIsochronousGeoport"/>
      <xsd:enumeration value="digitalDataIsochronousleeeAtm"/>
      <xsd:enumeration value="digitalDataIsochronousleeeISDN"/>
      <xsd:enumeration value="digitalDataApi"/>
      <xsd:enumeration value="ectfS100MediaServicesDefault"/>
      <xsd:enumeration value="ectfS100MediaServicesAppServices"/>
      <xsd:enumeration value="cstaVRScript1"/>
      <xsd:enumeration value="cstaVRScript2"/>
      <xsd:enumeration value="cstaVRScript3"/>
      <xsd:enumeration value="cstaVRScript4"/>
      <xsd:enumeration value="cstaVRScript5"/>
      <xsd:enumeration value="cstaVRScript6"/>
      <xsd:enumeration value="cstaVRScript7"/>
      <xsd:enumeration value="cstaVRScript8"/>
      <xsd:enumeration value="cstaVRScript9"/>
      <xsd:enumeration value="cstaVRScript10"/>
      <xsd:enumeration value="liveSoundCaptureAnalog"/>
      <xsd:enumeration value="liveSoundTransmitAnalog"/>
      <xsd:enumeration value="liveSoundCaptureleee1394"/>
      <xsd:enumeration value="liveSoundTransmitleee1394"/>
      <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>
        <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"/>
    <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

9.16 Physical device features

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
      <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">
    <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>
    <xsd:element name="volAbs" type="csta:VolAbs"/>
    <xsd:element name="vollnc" type="csta:Vollnc"/>
  </xsd:choice>
</xsd:complexType>

<xsd:simpleType name="Vollnc">
  <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

9.18 Event Cause

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
    <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"/>
<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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
      <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:restriction>
  </xsd:simpleType>

```

```

<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"/>
<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"/>
<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"/>
<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>
</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="CSTAErroCode" 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="systemResourceAvailability"
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/ed3"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"  
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

10 Top level schema

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
<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="transferred-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"/>
<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"/>
<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"/>
<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>

```

ISO/IEC 18056:2005(E)

```
<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"/>
<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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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="routingServList" type="csta:RoutingServList" minOccurs="0"/>
              <xsd:element name="physDevServList" type="csta:PhysDevServList" minOccurs="0"/>
              <xsd:element name="logicalServList" type="csta:LogicalServList" minOccurs="0"/>
              <xsd:element name="iOSServicesServList" type="csta:IOSServicesServList" 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>
          </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:sequence>
    </xsd:complexType>
  </xsd:element>

```

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

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
            <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:sequence>
    </xsd:complexType>
  </xsd:element>

```

```
<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="routingServList" type="csta:RoutingServList" 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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
  <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
  <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:sequence>
    </xsd:complexType>
  </xsd:element>

```

```

<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="servEvsList" type="csta:ServEvsList" minOccurs="0"/>
<xsd:element name="privateDataVersionList" type="csta:PrivateDataVersionList"
minOccurs="0"/>
<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:CSTACCommonArguments" 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="routingProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="I1aVoiceBrowserProfile" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

```

```

<xsd:element name="11bVoiceBrowserProfile" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="12VoiceBrowserProfile" 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>
</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="ServEvsList">
  <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="callControlEvsList" type="csta:CallControlEvsList" minOccurs="0"/>
    <xsd:element name="callAssociatedServList" type="csta:CallAssociatedServList"
      minOccurs="0"/>
    <xsd:element name="callAssociatedEvsList" type="csta:CallAssociatedEvsList"
      minOccurs="0"/>
    <xsd:element name="mediaServList" type="csta:MediaServList" minOccurs="0"/>
    <xsd:element name="mediaEvsList" type="csta:MediaEvsList" minOccurs="0"/>
    <xsd:element name="routeingServList" type="csta:RouteingServList" minOccurs="0"/>
    <xsd:element name="physDevServList" type="csta:PhysDevServList" minOccurs="0"/>
    <xsd:element name="physDevEvsList" type="csta:PhysDevEvsList" minOccurs="0"/>
    <xsd:element name="logicalServList" type="csta:LogicalServList" minOccurs="0"/>
    <xsd:element name="logicalEvsList" type="csta:LogicalEvsList" minOccurs="0"/>
    <xsd:element name="deviceMaintEvsList" type="csta:DeviceMaintEvsList" 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="voiceUnitEvsList" type="csta:VoiceUnitEvsList" minOccurs="0"/>
    <xsd:element name="cdrServList" type="csta:CDRServList" minOccurs="0"/>
    <xsd:element name="vendorSpecificServList" type="csta:VendorSpecificServList"
      minOccurs="0"/>
    <xsd:element name="vendorSpecificEvsList" type="csta:VendorSpecificEvsList"
      minOccurs="0"/>
    <xsd:element name="statusReportingServList" type="csta:StatusReportingServList"
      minOccurs="0"/>
  </xsd:sequence>

```

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

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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="routeingDeveue"/>
      <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>

```

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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:sequence>
        </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="routingDevice" 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>

```

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>

  <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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

12.2.2 System status

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

13.1.2 Monitor start

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
        <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>

```

IECNORM.COM : Click to buy the full PDF of ISO/IEC 18056:2005

13.1.3 Monitor stop

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

14.1.3 Snapshot calldata

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

14.1.4 Snapshot devicedata

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
  </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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

15.1.2 Alternate call

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

15.1.3 Answer call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>

  <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

15.1.7 Clear call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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: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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

15.1.8 Clear Connection

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

15.1.9 Conference call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

15.1.10 Consultation call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
  <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
    </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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

15.1.12 Dial digits

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
  <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
  </xsd:element>

</xsd:schema>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

15.1.15 Hold call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

15.1.16 Intrude call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
    </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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

15.1.17 Join call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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: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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
  <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"/>
  </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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

15.1.20 Park call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

15.1.21 Reconnect call

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

15.1.22 Retrieve call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

15.1.23 Send Message

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
        <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Only view the full PDF of ISO/IEC 18056:2005

15.2.2 Call cleared

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
  <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>

```

IECNORM.COM : Click to view the PDF of ISO/IEC 18056:2005

15.2.3 Conferenced

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
  </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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-delivered-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="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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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">
    <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
        <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
      </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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"?>

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click here to get the full text of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
        <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
        <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

15.2.14 Originated

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-queued-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="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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>

  <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
        <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-transferred-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="TransferredEvent">
    <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>

```

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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 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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>

  <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

16.1.4 Generate digits

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-generate-digits</xsd:documentation>
  </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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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="SendUserInfo">
    <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="SendUserInfoResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>

  <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 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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

16.2.3 Digits generated

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM - Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
        <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
      <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
        <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>

```

IECNORM.COM : Click to view the full text of ISO/IEC 18056:2005

17.2.2 Media detached

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to View the Full Text of ISO/IEC 18056:2005

18 Routing 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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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="routingDevice" type="csta:DeviceID" minOccurs="0"/>
        <xsd:element name="requestedRoutingMediaClass" 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="actualRoutingMediaClass" type="csta:MediaClass" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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

</xsd:schema>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
      <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

18.2.2 Route end

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

18.2.3 Route reject

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>

  <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

18.2.4 Route request

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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="routingDevice" 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"/>
        <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

18.2.6 Route used

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
      <xsd:sequence>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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="auditoryApparatus" 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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
        <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
  </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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
    </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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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="lampltem" type="csta:Lampltem" minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="Lampltem">
    <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"/>
    </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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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="lampModelItem" type="csta:LampModelItem" minOccurs="0"
maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="LampModelItem">
    <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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="lampsPresent" type="xsd:boolean" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

  <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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="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>

```

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
  <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
        <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

19.1.15 Set display

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
      </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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
  <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

19.1.23 Set speaker volume

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
        <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

19.2.2 Button press

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

19.2.3 Display updated

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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">
    <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>

```

IECNORM.COM : Click to view the full text of ISO/IEC 18056:2005

19.2.4 Hookswitch

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

19.2.5 Lamp mode

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
  <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

19.2.6 Message waiting

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

19.2.7 Microphone gain

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

19.2.8 Microphone mute

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

19.2.9 Ringer status

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-ringer-status-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="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="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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

19.2.10 Speaker mute

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

19.2.11 Speaker volume

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"  
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

  <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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
      <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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.1.8 Get caller id status

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
        <xsd:element name="callerIDProvided" type="xsd:boolean"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.1.9 Get do not disturb

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.1.10 Get forwarding

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-get-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="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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.1.11 Get last number dialed

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.1.12 Get routing mode

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.1.13 Set agent state

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

  <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>

```

20.1.14 Set auto answer

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.1.15 Set auto work mode

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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">
    <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.1.16 Set caller id status

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.1.17 Set do not disturb

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-set-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="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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.1.18 Set forwarding

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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 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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.1.19 Set routing mode

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-set-routing-mode</xsd:documentation>
  </xsd:annotation>

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

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

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

</xsd:schema>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-agent-busy-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="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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.2.5 Agent ready

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.2.7 Auto answer

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.2.9 Call back

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"  
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

```
<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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.2.13 Forwarding

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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 ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

20.2.14 Routing mode

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"  
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

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

</xsd:schema>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
      </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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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:IORRegisterReqID" 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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

22.2.3 Fast data

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>

  <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
      <xsd:sequence>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

22.2.6 Send data

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>

  <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
    </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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
      </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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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">
    <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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">
            <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:restriction>
  </xsd:simpleType>

```

```

<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="sitC"/>
<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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

  <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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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">
    <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.1.2 Clear

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.1.3 Concatenate message

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.1.4 Deactivate

```
<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.1.5 Delete message

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.1.6 Play message

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3" xmlns:xsd="http://www.w3.org/
2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
      <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/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.1.9 Record message

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
        <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.1.10 Reposition

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
        </xsd:simpleType>
      </xsd:element>
      <xsd:element name="relativePosition" type="xsd:long"/>
    </xsd:choice>
  </xsd:complexType>

</xsd:schema>

```

IECFORM.COM Click to view the full PDF of ISO/IEC 18056:2005

24.1.11 Resume

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.1.12 Review

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
        <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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">
        <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:choice>
  </xsd:complexType>

```

```
</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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.1.14 Start

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-start</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="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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.1.15 Stop

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3" 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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.1.16 Suspend

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.1.17 Synthesize message

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
        <xsd:element name="synthesizedMessage" type="csta:MessageID"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.2.2 Completed

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>

  <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.2.3 DTMF detected

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.2.4 Emptied

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.2.5 Interruption detected

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.2.6 Not recognized

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.2.7 Play

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.2.8 Recognized

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.2.9 Record

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
        <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.2.10 Review

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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">
    <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.2.12 Speech detected

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.2.13 Started

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
  <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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.2.14 Stop

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.2.15 Suspend play

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-suspend-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="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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

24.2.16 Suspend record

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

```
<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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"  
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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"/>
            </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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"  
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-start-call-detail-records-transmission</xsd:documentation>
  </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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
    <xsd:documentation>There is no positive response to this request.</xsd:documentation>
  </xsd:annotation>

</xsd:schema>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>
    </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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"
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>

```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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/ed3"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed3"

elementFormDefault="qualified" attributeFormDefault="unqualified">
  <xsd:annotation>
    <xsd:documentation>CSTA-private-event</xsd:documentation>
  </xsd:annotation>

  <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>
```

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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 360), 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 ECMA-269 should be used as a reference when completing the PICS proforma.

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 ECMA-269 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			
Level 2 Voice Browser Profile			
Minimal uaCSTA Call Control Profile			

Description: Profile(s) Supported	Supported ?		Comments
	Yes	No	
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			

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			

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			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
groupDeviceAttributes			
namedDeviceTypes			
shortFormDeviceID			
agentLogOnModels			
appearanceList			
otherPhysicalDeviceList			
miscMonitorCaps			
associatedGroupList			
maxCallbacks			
maxAutoAnswerRings			
maxActiveCalls			
maxHeldCalls			
maxFwdSettings			
maxDevicesInConf			
transAndConfSetup			
deviceOnDeviceMonitorFilter			
deviceOnConnectionMonitorFilter			
callOnDeviceMonitorFilter			
callOnConnectionMonitorFilter			
mediaClassSupport			
mediaServiceCapsList			
connectionRateList			
delayToleranceList			
numberOfChannels			
maxChannelBind			
routeingServList			
logDevServList			

IECNORM.COM. Click to view the full PDF of ISO/IEC 18056:2005

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
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			
maxButtons			
maxLamps			
maxRingPatterns			
physDevServList			
physDevEvtsList			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
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			
securityMode			
securityFormat			
privateDataFormat			
transAndConfSetup			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
deviceOnDeviceMonitorFilter			
deviceOnConnectionMonitorFilter			
callOnDeviceMonitorFilter			
callOnConnectionMonitorFilter			
miscMonitorCaps			
correlatorDataSupported			
dynamicFeatureSupported			
callLinkageOptionsSupported			
acdModels			
agentLogonModels			
agentStateModels			
maxLengthParametersContinued			
routeingServList			
logDevServList			
logDevEvtsList			
physDevServList			
physDevEvtsList			
deviceMaintEvtsList			
statusReportingServList			
capExchangeServList			
cdrServList			
vendorSpecificServList			
vendorSpecificEvtsList			
privateDataVersionList			
systemStatusTimer			
simpleThreshold			
filterThreshold			

[IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005](#)

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
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			

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			
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			

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			

ISO/IEC 18056:2005(E)

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			

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			

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			

ISO/IEC 18056:2005(E)

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			
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			
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			
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			

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			

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			

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			

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

A.5.6.7 **Clear Call**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Clear Call			
Service Request optional parameters			
userData			
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			

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			

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			

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			

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			

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			

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.5.10)

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
Make Call			
Service Request optional parameters			
accountCode			
authCode			
autoOriginate			
correlatorData			
userData			
callCharacteristics			
mediaCallCharacteristics			
callingConnectionInfo			
subjectOfCall			
languagePreferences			
security			
privateData			
Service Response optional parameters			
mediaCallCharacteristics			
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			

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			

ISO/IEC 18056:2005(E)

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			

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			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
subjectOfCall			
languagePreferences			
reason			
security			
privateData			
Service Response optional parameters			
connections			
transferredCallInfo			
security			
privateData			

IECNORM.COM : Click to view the full PDF of ISO/IEC 18056:2005

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			

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			
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			

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			

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			
servicesPermitted			

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
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			
callCharacteristics			

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
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			
deviceHistory			
security			
privateData			