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

*Technologies de l'information — Téléinformatique — Définitions de  
schéma XML pour applications en télécommunications supportées par  
ordinateur (CSTA) en phase III*

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## Foreword

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

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

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

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

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

This fifth edition cancels and replaces the fourth edition (ISO/IEC 18056:2010), which has been technically revised.

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

## 1 Scope

This International Standard specifies an XML protocol for the services defined in ISO/IEC 18051. It provides an alternative protocol to the ASN.1 based protocol specified in ISO/IEC 18052.

In addition to the CSTA-specific protocol details, this International Standard describes the concepts underlying the request/response model, application association, notation and service, and describes the template used in this International Standard.

It also specifies the PICS for this International Standard and provides examples of CSTA XML encodings.

## 2 Conformance

A manufacturer may select any part of the CSTA protocol, as specified in this International Standard, for implementation on a system as long as it satisfies the minimum conformance requirements as specified in Clause 2 of ISO/IEC 18051:2010.

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

### 2.1 Static Requirements

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

### 2.2 Dynamic Requirements

To conform to this International Standard, a system shall:

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

### 2.3 PICS Requirement

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

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

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

### 2.4 XML Tag Options

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

#### 2.4.1 ISO/IEC 18056 (ECMA-323) Specified Tags

Instance documents shall include the following URI for the namespace and conform to the schemas as specified in Clause 9 through 27 of this International Standard without transformations.

<http://www.ecma-international.org/standards/ecma-323/csta/ed6>

#### 2.4.2 ISO/IEC 18056 (ECMA-323) Specified Short Tags

Instance documents shall include the following URI for the namespace and conform to the schemas as specified in Clause 9 through 27 of this International Standard with transformations as specified in Annex D.

[urn:www.ecma-international.org/standards/ecma-323/csta/ed6/short\\_tags](urn:www.ecma-international.org/standards/ecma-323/csta/ed6/short_tags)

#### 2.4.3 Dynamic Transformations

Implementation claiming conformance to this option shall support XML schema transformations e.g. using `<?xml-stylesheet>` for the schemas specified in Clause 9 through 27.

### 2.5 CSTA Over SIP (uaCSTA) Transport Mechanism Option

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

## 3 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

### 3.1 ISO Standards and Technical Reports

<b>ISO/IEC 18051:2012</b>	Information technology - Telecommunications and information exchange between systems - Services for Computer Supported Telecommunications Applications (CSTA) Phase III
<b>ISO/IEC 18052:2011</b>	Information technology - Telecommunications and information exchange between systems - Protocol for Computer Supported Telecommunications Applications (CSTA) Phase III
<b>ISO/IEC TR 18053:2000</b>	Information technology - Telecommunications and information exchange between systems - Glossary of definitions and terminology for Computer Supported Telecommunications Applications (CSTA) Phase III

### 3.2 World Wide Web Consortium Specifications

<b>XML 1.0</b>	XML 1.0. W3C Recommendation February 1998 (revised October 2000)
<b>XML Schema Part 1</b>	XML Schema Language Part 1: Structures. W3C Recommendation 2 May 2001
<b>XML Schema Part 2</b>	XML Schema Language Part 2: Datatypes. W3C Recommendation 2 May 2001

## 4 Terms, definitions and abbreviations

For the purposes of this document, the terms, definitions and abbreviations given in ISO/IEC TR 18053 apply.

## 5 CSTA Service Definition Model

CSTA services specified in ISO/IEC 18051 are modeled as a request/response interaction.

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

### 5.1 Request/Response Interactions

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

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

For CSTA event reports, no response is generated.

### 5.2 Request/Response Protocol Requirements

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

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

### 5.3 Cross Referencing of Event Reports

The Monitor Cross Reference Identifier in CSTA event reports is used to correlate events to an earlier Monitor Start service request (see 6.7.2.1 of ISO/IEC 18051:2010).

### 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 International 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 International Standard.

## 7 Association Management

The protocol in this International Standard operates in the context of an application association as specified in ISO/IEC 18051:2012 Clause 7. This application association can be achieved by:

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

### 7.1 Implicit association

An a-priori agreement exists between switching and computing functions: the application context is implicit, dynamic negotiation is not possible. See ISO/IEC 18051:2012 7.1 and 7.2 for more information.

### 7.2 Explicit association

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

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

When ACSE (ISO/IEC 8649) is used to establish an application association per 7.3 of ISO/IEC 18051:2012, the CSTA Association Information includes CSTA Version information that indicates the CSTA protocol versions supported by an implementation.

The protocol defined in this International Standard is indicated by setting the following bit in the CSTAVersion parameter of the CSTA Association Information as defined in 8.2.2 of ISO/IEC 18052:2011.

- versionTwelve when using the ISO/IEC 18056 Specified Tag option (see 2.4.1)
- versionThirteen when using the ISO/IEC 18056 Specified Short Tag option (see 2.4.2)
- versionFourteen when using the Dynamic Transformation option (see 2.4.3)

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

ISO/IEC 22534, Application Session Services can also be used to establish an application association per 7.4 of ISO/IEC 18051:2010. When this International Standard is used with ISO/IEC 22534 the following namespace is provided in the requestedProtocolVersions element of the Start Application Session service:

- <http://www.ecma-international.org/standards/ecma-323/csta/ed6> when using the ISO/IEC 18056 Specified Tag option (see 2.4.1)
- [url:www.ecma-international.org/standards/ecma-323/csta/ed6/short\\_tags](http://www.ecma-international.org/standards/ecma-323/csta/ed6/short_tags) when using the ISO/IEC 18056 Specified Short Tag option (see 2.4.2)
- [http://www.ecma-international.org/standards/ecma-323/csta/ed6/dynamic\\_transformations](http://www.ecma-international.org/standards/ecma-323/csta/ed6/dynamic_transformations) when using the Dynamic Transformation option (see 2.4.3)

## 8 XML Template Description

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

The template consists of the following parts:

- XML header - this consists of the text “<?xml version="1.0" encoding="UTF-8"?>” which identifies the XML version used.
- XML Schema header - this identifies the start of an XML schema and provides information such as:
  - the target namespace. In this edition of the Standard the target namespace is defined as “http://www.ecma-international.org/standards/ecma-323/csta/ed6”. *Note that this URL uniquely identifies the namespace for the 6<sup>th</sup> Edition of ECMA-323.*
  - the csta namespace is the same as the target namespace. XML names that refer to names in the CSTA namespace are prefixed with “csta:”.
  - the xsd namespace. This identifies the XML Schema. XML names that refer to names in the XML Schema namespace are prefixed with “xsd:”.
  - the element form default is specified as “qualified” which requires that all element names must be prefixed with a namespace (csta: or xsd:)
- documentation - this provides a comment that indicates the CSTA specific service, event report, or data-type set.
- included schemas - this provides a list of other CSTA schemas that are referenced by the service, event, or data type set.
- CSTA specific XML:
  - for CSTA services, this consists of a service request element and a service response element. (A comment is provided in some cases where a service response is not specified per ISO/IEC 18051.). This is followed, in some cases, by service-specific XML types that are referenced in the previous elements.
  - for CSTA event reports, this consists of an event report element followed, in some cases, by event-specific XML type definitions that are referenced in the event report element.
  - for CSTA data types, this consists of the data types that are referenced (included) by other CSTA XML schemas.
- XML Schema end tag - indicates the end of the schema.

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

## 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:choice>
</xsd:complexType>

</xsd:schema>

```

## 9.2 Device Identifiers

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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: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:attribute name="privateNumber" type="xsd:boolean" use="optional" default="false"/>
<xsd:attribute name="privateName" type="xsd:boolean" use="optional" default="false"/>
</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>

```

### 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:attribute name="privateNumber" type="xsd:boolean" use="optional" default="false"/>
<xsd:attribute name="privateName" type="xsd:boolean" use="optional" default="false"/>
</xsd:extension>
</xsd:simpleContent>
</xsd:complexType>
</xsd:schema>

```

## 9.4 Connection states

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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:restriction>
  </xsd:simpleType>

```

```

    <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/ed6"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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="device-feature-types.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: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="presenceState" 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:sequence>

```

```

<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:element ref="csta:callLinkageData" 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:element name="locationInfo" type="csta:LocationInfo" 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:enumeration value="callQueuedHeld"/>
    <xsd:enumeration value="callFailed"/>
    <xsd:enumeration value="callFailedHeld"/>
    <xsd:enumeration value="callBlocked"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="RegistrationTypeList">
  <xsd:sequence>
    <xsd:element name="registrationType" type="csta:RegistrationType" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:simpleType name="RegistrationType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="escapeRegister"/>
    <xsd:enumeration value="ioRegister"/>
    <xsd:enumeration value="routeRegister"/>
    <xsd:enumeration value="sysStatRegister"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="RegistrationList">
  <xsd:sequence>
    <xsd:element name="registrationListEntry" type="csta:RegistrationListEntry" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="RegistrationListEntry">
  <xsd:sequence>

```

```

    <xsd:element name="registrationType" type="csta:RegistrationType"/>
    <xsd:element name="registrationID" type="xsd:string"/>
    <xsd:element name="registrationObject" type="csta:DeviceID" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="MonitorList">
  <xsd:sequence>
    <xsd:element name="monitorListEntry" type="csta:MonitorListEntry" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="MonitorListEntry">
  <xsd:sequence>
    <xsd:element name="monitorCrossRefID" type="csta:MonitorCrossRefID"/>
    <xsd:element name="monitorObject" type="csta:DeviceID"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="LocationSessionInfoList">
  <xsd:sequence>
    <xsd:element name="locationSessionListEntry" type="csta:LocationSessionListEntry" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="LocationSessionListEntry">
  <xsd:sequence>
    <xsd:element ref="csta:locCrossRefID"/>
    <xsd:element name="locDevice" type="csta:DeviceID"/>
  </xsd:sequence>
</xsd:complexType>
</xsd:schema>

```

## 9.6 Device and feature types and other parameters

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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: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>

```

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```

</xsd:simpleType>

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

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

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

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

<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:choice>

```

```

<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: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:restriction>
</xsd:simpleType>

```

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```

<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:element name="locReason" type="csta:LocReason"/>
  <xsd:simpleType name="LocReason">
    <xsd:restriction base="xsd:string">
      <xsd:enumeration value="connectionToDeviceOrNetworkRestored"/>
      <xsd:enumeration value="performanceConditionRelieved"/>
    </xsd:restriction>
  </xsd:simpleType>

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

<xsd:complexType name="PresenceState">
  <xsd:sequence>

```

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```

<xsd:element name="available" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="away" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="busy" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="calling" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="dnd" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="meeting" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="offline" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="unknown" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="vacation" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="applicationSpec0" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="applicationSpec1" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="applicationSpec2" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="applicationSpec3" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="applicationSpec4" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="applicationSpec5" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="applicationSpec6" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="applicationSpec7" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="applicationSpec8" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="applicationSpec9" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="applicationSpec10" type="xsd:boolean" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>

</xsd:schema>

```

## 9.7 Security

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

## 9.9 Call control

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"

```

```

xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:element name="encryptedCall" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

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

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

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

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

    <xsd:element name="eventsProvided" minOccurs="0">
      <xsd:complexType>

```

```

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

<xsd:complexType name="ServicesPermitted">
  <xsd:sequence>
    <xsd:element name="callControlServices" type="csta:CallControlServices"/>
    <xsd:element name="callAssociatedServices" type="csta:CallAssociatedServices"/>
    <xsd:element name="mediaAttachmentServices" type="csta:MediaAttachmentServices"/>
    <xsd:element name="routingServices" type="csta:RoutingServices"/>
    <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="threadIDTimeStam" 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:element name="changeConnectionInformation" type="xsd:boolean" minOccurs="0"/>
    </xsd:sequence>
</xsd:complexType>

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

<xsd:complexType name="RouteingServices">
    <xsd:sequence>
        <xsd:element name="routeRegister" type="xsd:boolean" minOccurs="0"/>
        <xsd:element name="routeRegisterCancel" type="xsd:boolean" minOccurs="0"/>
        <xsd:element name="routeRegisterAbort" type="xsd:boolean" minOccurs="0"/>
    </xsd:sequence>
</xsd:complexType>

```

```

<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:complexType name="LocationInfo">
<xsd:sequence>
<xsd:any namespace="##any" maxOccurs="unbounded"/>
<!-- Allows RFC-4119 (Presence), RFC-4479 (GEOPRIV), & RFC-4479 (Data-Model), etc. namespaces & objects in instance-->
</xsd:sequence>
</xsd:complexType>

<xsd:complexType name="LocationInfoList">
<xsd:sequence>
<xsd:element name="locationInfoEntry" type="csta:LocationInfo" maxOccurs="unbounded"/>
</xsd:sequence>
</xsd:complexType>

</xsd:schema>

```

## 9.10 Capability Exchange

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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="iOSServicesServList" type="csta:IOSServicesServList" minOccurs="0"/>
    <xsd:element name="dataCollectionServList" type="csta:DataCollectionServList" minOccurs="0"/>
    <xsd:element name="voiceServList" type="csta:VoiceServList" minOccurs="0"/>
    <xsd:element name="locationServicesServList" type="csta:LocationServicesServList" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

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

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

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

</xsd:complexType>

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

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

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

<xsd:complexType name="GetSwitchingFunctionCapabilitiesCaps">
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    <xsd:element name="privateDataInReq" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaClassSupportInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="numberOfChannelsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="maxChannelBindInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="miscMediaCallCharacteristicsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="connectionRateListInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="delayToleranceRateListInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="pauseTimeInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="currentTimeInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="transAndConfSetupParameterInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="transAndConfSetupConsultationInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="transAndConfSetupHoldMakeInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="transAndConfSetupAlternateInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="transAndConfSetupTwoCallsHoldInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="transAndConfSetupTwoCallsConnectedInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="miscMonitorCapsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="correlatorDataSupportedInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="dynamicFeatureSupportedInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callLinkageOptionsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="acdModelsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentLogOnModelsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentStateModelsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataVersionListInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="simpleThresholdInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="filterThresholdInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="maxDeviceHistoryEntriesInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
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</xsd:complexType>

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    <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:sequence>
</xsd:complexType>

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<xsd:element name="requestedDeviceCategoryPromptQueueIV" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="requestedDeviceCategoryMessageIV" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="requestedDeviceCategoryConference" 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"/>
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<xsd:complexType name="SwitchingFunctionDevicesCaps">
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<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"/>
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</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:element name="getRegistrations" type="csta:GetRegistrationsCaps" minOccurs="0"/>
<xsd:element name="registrationInfo" type="csta:RegistrationInfoCaps" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ChangeSystemStatusFilterCaps">
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<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="requestTypesSwitchingFunctionDevicesChanged" 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"/>

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    <xsd:element name="privateDataOctetStringInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SystemStatusRegisterAbortCaps">
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="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>
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SwFunctionDevicesChangedCaps">
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="GetRegistrationsCaps">
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    <xsd:element name="requestedRegTypes" 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>

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    <xsd:element name="segmentedResponseProvided" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
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<xsd:complexType name="RegistrationInfoCaps">
  <xsd:sequence>
    <xsd:element name="segmentID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" 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:element name="getMonitors" type="csta:GetMonitorsCaps" minOccurs="0"/>
    <xsd:element name="monitorInfo" type="csta:MonitorInfoCaps" 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">
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    <xsd:element name="monitorObjectDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorObjectCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="requestedMonitorFilter" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorTypeCall" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorTypeDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassParameter" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassAudio" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassImage" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassVoice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassChat" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassEmail" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassMessage" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassIM" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassSMS" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorMediaClassMMS" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="monitorExistingCallsInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callIDOnly" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="swDomainDefaultForMonitorTypesDevice" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="acceptsMonitorStartWhileOOS" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
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<xsd:complexType name="MonitorStopCaps">
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="switchingFunctionSupportsSending" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="switchingFunctionSupportsReceiving" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

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

<xsd:complexType name="MonitorInfoCaps">

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

<xsd:complexType name="SnapshotServList">
  <xsd:sequence>
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    <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">
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    <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:element name="locationInfoList" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

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

<xsd:complexType name="SnapshotDeviceDataCaps">
  <xsd:sequence>

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<xsd:element name="segmentID" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="localCallStateSimpleCallState" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="mediaServiceVersion" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="mediaServiceInstance" type="xsd:boolean" minOccurs="0"/>
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<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"/>
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</xsd:complexType>
<xsd:complexType name="CallControlServList">
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    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
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    <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"/>
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    <xsd:element name="queued" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="callCharacteristicsSensitiveCall" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="callCharacteristicsConfidentialCall" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="connectionInfo" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="reason" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="maxDevices" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="signallingConditionActionRemainConnected" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="destinationConditionHumanVoice" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="destinationConditionFax" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="authCode" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="alertTime" type="xsd:boolean" minOccurs="0"/>
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    <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"/>
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    <xsd:element name="callCharacteristicsConfidentialCall" type="xsd:boolean" minOccurs="0"/>
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    <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"/>
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    <xsd:element name="promptingMode" type="xsd:boolean" minOccurs="0"/>
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    <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"/>
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<xsd:element name="userData" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="callCharacteristicsPriorityCall" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="callCharacteristicsHighPriorityCall" type="xsd:boolean" minOccurs="0"/>
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<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"/>
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<xsd:element name="callCharacteristicsConfidentialCall" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="callCharacteristicsEncryptedCall" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="authCode" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="heldCallHold" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="locationInfoList" type="xsd:boolean" minOccurs="0"/>
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</xsd:complexType>

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    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callLinkageData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
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    <xsd: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"/>
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    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="droppedConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callLinkageData" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="deviceHistory" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="netwCallingDevice" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="connectionInfo" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="netwCalledDevice" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="callLinkageData" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="locationInfoList" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="eventsProvidedRetrieved" type="xsd:boolean" minOccurs="0"/>
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    <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"/>
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    <xsd:element name="eventsProvidedOffered" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="eventsProvidedOriginated" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="eventsProvidedRetrieved" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="outboundConnectionInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="netwCallingDevice" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="languagePreferences" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="deviceHistory" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="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"/>
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    <xsd:element name="netwCalledDevice" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="numberUnitsTypeOfUnits" type="xsd:boolean" minOccurs="0"/>
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<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"/>
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<xsd:element name="deviceIDOnly" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="rejectsRequestsWithOldConnectionID" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="pulseRate" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="telephonyTonesGenerated" type="csta:TelephonyTonesGeneratedCaps" minOccurs="0"/>
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    <xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
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    <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"/>
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    <xsd:element name="chargingMultiplierATenth" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="chargingMultiplierHundred" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="chargingMultiplierThousand" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
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    <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"/>
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    <xsd:element name="toneToSendHold" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="toneToSendHowler" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="requestedConnectionState" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="routeRegisterAbort" type="csta:RouteRegisterAbortCaps" minOccurs="0"/>
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<xsd:element name="routeRequest" type="csta:RouteRequestCaps" minOccurs="0"/>
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<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"/>
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    <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"/>
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  </xsd:sequence>
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    <xsd:element name="getButtonInformation" type="csta:GetButtonInformationCaps" minOccurs="0"/>
    <xsd:element name="getDisplay" type="csta:GetDisplayCaps" minOccurs="0"/>
    <xsd:element name="getHookSwitchStatus" type="csta:GetHookSwitchStatusCaps" minOccurs="0"/>
    <xsd:element name="getLampInfo" type="csta:GetLampInfoCaps" minOccurs="0"/>
    <xsd:element name="getLampMode" type="csta:GetLampModeCaps" minOccurs="0"/>
    <xsd:element name="getMessageWaitingIndicator" type="csta:GetMessageWaitingIndicatorCaps" minOccurs="0"/>
    <xsd:element name="getMicrophoneGain" type="csta:GetMicrophoneGainCaps" minOccurs="0"/>
    <xsd:element name="getMicrophoneMute" type="csta:GetMicrophoneMuteCaps" minOccurs="0"/>
    <xsd:element name="getRingerStatus" type="csta:GetRingerStatusCaps" minOccurs="0"/>
    <xsd:element name="getSpeakerMute" type="csta:GetSpeakerMuteCaps" minOccurs="0"/>
    <xsd:element name="getSpeakerVolume" type="csta:GetSpeakerVolumeCaps" minOccurs="0"/>
    <xsd:element name="setButtonInformation" type="csta:SetButtonInformationCaps" minOccurs="0"/>
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    <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"/>
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="auditoryApparatusTypeSpeakerphone" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="auditoryApparatusTypeHandset" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="auditoryApparatusTypeHeadset" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="auditoryApparatusTypeSpeakerOnlyPhone" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="auditoryApparatusTypeOther" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="speakerPresent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="speakerVolumeSettable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="speakerVolumeReadable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="speakerMuteSettable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="speakerMuteReadable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="microphonePresent" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="microphoneGainSettable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="microphoneGainReadable" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="microphoneMuteSettable" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="hookswitchSettable" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="buttonAssociatedNumberSettableInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="listOfLampsInAck" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="characterSetUnicode" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
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  </xsd:sequence>
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    <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>

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    <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="lampColorlnAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="buttonlnAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
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    <xsd:element name="lampsPresentlnAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="micGainAbslnAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
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    <xsd:element name="ringPatternlnAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringVolumeInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringVolumeAbslnAck" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
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    <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>
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  <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"/>
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    <xsd:element name="lampModeSf5" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="lampModeSf38" type="xsd:boolean" minOccurs="0"/>
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<xsd:sequence>
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<xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
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<xsd:complexType name="SetMicrophoneGainCaps">
<xsd:sequence>
<xsd:element name="microphoneGainAbs" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SetMicrophoneMuteCaps">
<xsd:sequence>
<xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="ackModelMultiStep" 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>
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<xsd:sequence>
<xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>

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</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SetSpeakerVolumeCaps">
  <xsd:sequence>
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    <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>
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    <xsd:element name="buttonPress" type="csta:ButtonPressEventCaps" minOccurs="0"/>
    <xsd:element name="displayUpdated" type="csta:DisplayUpdatedCaps" minOccurs="0"/>
    <xsd:element name="hookswitch" type="csta:HookswitchCaps" minOccurs="0"/>
    <xsd:element name="lampMode" type="csta:LampModeCaps" minOccurs="0"/>
    <xsd:element name="messageWaiting" type="csta:MessageWaitingCaps" minOccurs="0"/>
    <xsd:element name="microphoneGain" type="csta:MicrophoneGainCaps" minOccurs="0"/>
    <xsd:element name="microphoneMute" type="csta:MicrophoneMuteCaps" minOccurs="0"/>
    <xsd:element name="ringerStatus" type="csta:RingerStatusCaps" minOccurs="0"/>
    <xsd:element name="speakerMute" type="csta:SpeakerMuteCaps" minOccurs="0"/>
    <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">
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    <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:complexType name="HookswitchCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="LampModeCaps">
  <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"/>
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  </xsd:sequence>

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<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"/>
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
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    <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="getPresenceState" type="csta:GetPresenceStateCaps" minOccurs="0"/>
    <xsd:element name="getRouteingMode" type="csta:GetRouteingModeCaps" minOccurs="0"/>
    <xsd:element name="setAgentState" type="csta:SetAgentStateCaps" minOccurs="0"/>
    <xsd:element name="setAutoAnswer" type="csta:SetAutoAnswerCaps" minOccurs="0"/>
    <xsd:element name="setAutoWorkMode" type="csta:SetAutoWorkModeCaps" minOccurs="0"/>
    <xsd:element name="setCallerIDStatus" type="csta:SetCallerIDStatusCaps" minOccurs="0"/>
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    <xsd:element name="setForwarding" type="csta:SetForwardingCaps" minOccurs="0"/>
    <xsd:element name="setPresenceState" type="csta:SetPresenceStateCaps" minOccurs="0"/>
    <xsd:element name="setRouteingMode" type="csta:SetRouteingModeCaps" minOccurs="0"/>
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    <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>

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<xsd:complexType name="CallBackMsgNonCallRelCaps">
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    <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">
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="supportsClearing" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
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  <xsd:sequence>
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    <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"/>
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    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
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</xsd:complexType>
<xsd:complexType name="GetAutoWorkModeCaps">
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  </xsd:sequence>
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<xsd:complexType name="GetCallerIDStatusCaps">
  <xsd:sequence>
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  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="GetDoNotDisturbCaps">
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    <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>

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<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"/>
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<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"/>
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    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
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  <xsd:sequence>
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    <xsd:element name="fromTimeInAck" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="placeInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="moodInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="namedPresenceStateInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
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  <xsd:sequence>
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    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
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  <xsd:sequence>
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    <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: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="aCDDeviceAllowedInReq" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SetCallerIDStatusCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SetDoNotDisturbCaps">
  <xsd:sequence>
    <xsd:element name="callOriginationInternal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callOriginationExternal" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="callingDeviceList" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SetForwardingCaps">
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    <xsd:element name="forwardingTypeBusy" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeBusyInt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeBusyExt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeDND" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeDNDInt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeDNDExt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeNoAns" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeNoAnsInt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeNoAnsExt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeImmediate" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeImmInt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardingTypeImmExt" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="forwardDN" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ringCount" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SetPresenceStateCaps">
  <xsd:sequence>
    <xsd:element name="fromTime" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="untilTime" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="place" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mood" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="namedPresenceState" 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">
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="ackModelMultiStep" type="xsd:boolean" minOccurs="0"/>
  </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="presenceState" type="csta:PresenceStateEventCaps" minOccurs="0"/>
    <xsd:element name="routeingMode" type="csta:RouteingModeCaps" minOccurs="0"/>
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  <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>
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<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">
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    <xsd:element name="agentID" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="acdGroup" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

```

```

<xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>
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<xsd:element name="pendingAgentStateNotReady" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="pendingAgentStateReady" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="pendingAgentStateNull" type="xsd:boolean" minOccurs="0"/>
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<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>
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<xsd:element name="forwardingTypeBusyInt" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="forwardingTypeBusyExt" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="forwardingTypeDND" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="forwardingTypeDNDInt" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="forwardingTypeDNDExt" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="forwardingTypeNoAns" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="forwardingTypeNoAnsInt" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="forwardingTypeNoAnsExt" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="forwardingTypeImmediate" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="forwardingTypeImmInt" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="forwardingTypeImmExt" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="forwardTo" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="forwardDefaultTypeAndDN" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="forwardDefaultType" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="forwardDefaultDN" type="xsd:boolean" minOccurs="0"/>

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    <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="PresenceStateEventCaps">
  <xsd:sequence>
    <xsd:element name="fromTime" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="untilTime" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="place" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="mood" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="namedPresenceState" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
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  <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>
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
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  <xsd:sequence>
    <xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
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  <xsd:sequence>
    <xsd:element name="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">
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="allIODevices" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="IoRegisterAbortCaps">
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
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</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">
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="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>
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  <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"/>
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</xsd:complexType>
<xsd:complexType name="ResumeDataPathCaps">
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    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="sendsDataPathResumed" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="SendBroadcastDataCaps">
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    <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"/>
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    <xsd:element name="displayAttribPhyBaseRowNumber" type="xsd:boolean" minOccurs="0"/>
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<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"/>
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<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"/>
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<xsd:element name="dataCollectionSuspended" type="csta:DataCollectionSuspendedCaps" minOccurs="0"/>
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<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"/>
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<xsd:element name="toneDetectedFaxCNG" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="toneDetectedIntrusion" type="xsd:boolean" minOccurs="0"/>
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<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="toneDetectedSitC" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneDetectedSitRO" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneDetectedSitNC" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="toneDetectedSf0" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="toneFrequency" type="xsd:boolean" minOccurs="0"/>
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<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"/>
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    <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"/>
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<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"/>
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<xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
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<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"/>
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</xsd:complexType>

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  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="PlayMsgCaps">
  <xsd:sequence>
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    <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>
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<xsd:complexType name="QueryVoiceAttribCaps">
  <xsd:sequence>
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    <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="attribInAckEncodingAlgorithmMuLawPCM6K" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="attribInAckEncodingAlgorithmALawPCM6K" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="attribInAckCurrentGain" type="xsd:boolean" minOccurs="0"/>
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    <xsd:element name="attribInAckGrammars" type="xsd:boolean" minOccurs="0"/>
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    <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"/>
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<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"/>
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<xsd:element name="encodingAlgorithmADPCM8K" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="encodingAlgorithmALawPCM6K" type="xsd:boolean" minOccurs="0"/>
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<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"/>
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<xsd:element name="periodOfRepositionStartOfMsg" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="periodOfRepositionEndOfMsg" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="periodOfRepositionRelativePointer" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="duration" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
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<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"/>
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<xsd:element name="currentVolumeInc" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="currentGain" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="mode" type="xsd:boolean" minOccurs="0"/>
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<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"/>
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<xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="interruptionDetected" type="csta:InterruptionDetectedCaps" minOccurs="0"/>
<xsd:element name="notRecognized" type="csta:NotRecognizedCaps" minOccurs="0"/>
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<xsd:element name="record" type="csta:RecordCaps" minOccurs="0"/>
<xsd:element name="reviewEvent" type="csta:ReviewEventCaps" minOccurs="0"/>
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<xsd:element name="voiceAttribChanged" type="csta:VoiceAttribChangedCaps" minOccurs="0"/>
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<xsd:element name="cause" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="servicesPermitted" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
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</xsd:complexType>
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<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">
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<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>

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<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">

```

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

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<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"/>
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</xsd:complexType>
<xsd:complexType name="CdrReportCaps">
<xsd:sequence>
<xsd:element name="cdrReasonTimeout" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="cdrReasonThresholdReached" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="cdrReasonOther" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="recordNumber" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="recordCreationTime" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="callingDevice" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="calledDevice" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="assocCallingDevice" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="assocCalledDevice" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="netwCallingDevice" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="netwCalledDevice" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="callCharacteristics" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="mediaCallCharacteristics" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="chargedDeviceOperator" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="chargedDeviceNonOperator" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="recordedCall" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="nodeNumberArea0" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="nodeNumberArea1" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="nodeNumberArea2" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="tarifTable" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="connectionStart" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="connectionEnd" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="connectionDuration" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="accessCode" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="carrier" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="selectedRoute" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="billingIndicatorNormalCharging" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="billingIndicatorReverseCharging" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="billingIndicatorCreditCardCharging" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="billingIndicatorCallForwarding" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="billingIndicatorCallDeflection" type="xsd:boolean" minOccurs="0"/>
<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"/>
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<xsd:complexType name="SendStoredCDRsCaps">
<xsd:sequence>

```

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</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="StartCDRTransmissionCaps">
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<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">
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<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"/>
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<xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
</xsd:sequence>
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<xsd:complexType name="EscapeRegisterAbortCaps">
<xsd:sequence>
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<xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
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<xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="swFunctionSupportsSending" type="xsd:boolean" minOccurs="0"/>
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<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"/>

```

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</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="PrivateEventCaps">
  <xsd:complexContent>
    <xsd:extension base="csta:Empty"/>
  </xsd:complexContent>
</xsd:complexType>

<xsd:complexType name="LocationServicesServList">
  <xsd:sequence>
    <xsd:element name="getLocationInformation" type="csta:GetLocationInformationCaps" minOccurs="0"/>
    <xsd:element name="setLocationInformation" type="csta:SetLocationInformationCaps" minOccurs="0"/>
    <xsd:element name="locationTrackingSessionResumed" type="csta:LocationTrackingSessionResumedCaps" minOccurs="0"/>
    <xsd:element name="locationTrackingSessionSuspended" type="csta:LocationTrackingSessionSuspendedCaps" minOccurs="0"/>
    <xsd:element name="resumeLocationTrackingSession" type="csta:ResumeLocationTrackingSessionCaps" minOccurs="0"/>
    <xsd:element name="locationInformationReport" type="csta:LocationInformationReportCaps" minOccurs="0"/>
    <xsd:element name="startLocationTrackingSession" type="csta:StartLocationTrackingSessionCaps" minOccurs="0"/>
    <xsd:element name="stopLocationTrackingSession" type="csta:StopLocationTrackingSessionCaps" minOccurs="0"/>
    <xsd:element name="suspendLocationTrackingSession" type="csta:SuspendLocationTrackingSessionCaps" minOccurs="0"/>
    <xsd:element name="getLocationTrackingCapabilities" type="csta:GetLocationTrackingCapabilitiesCaps" minOccurs="0"/>
    <xsd:element name="getLocationTrackingSessions" type="csta:GetLocationTrackingSessionsCaps" minOccurs="0"/>
    <xsd:element name="locationSessionInfo" type="csta:LocationSessionInfoCaps" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="GetLocationInformationCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="locationInfoAck" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="SetLocationInformationCaps">
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    <xsd:element name="locationInfo" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="replaceMode" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="LocationTrackingSessionResumedCaps">
  <xsd:sequence>
    <xsd:element name="locReason" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="LocationTrackingSessionSuspendedCaps">
  <xsd:sequence>
    <xsd:element name="locReason" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="locationInfoList" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="ResumeLocationTrackingSessionCaps">
  <xsd:sequence>
    <xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="privateDataAck" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:complexType name="LocationInformationReportCaps">
  <xsd:sequence>

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```

<xsd:element name="locationInfoList" 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="StartLocationTrackingSessionCaps">
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<xsd:element name="collectionInterval" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="maxCollections" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="collectionFilter" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="reportingType" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="reportingInterval" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="reportingCount" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="pIDFProfileOption1inAck" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="pIDFProfileOption2inAck" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
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</xsd:complexType>

<xsd:complexType name="StopLocationTrackingSessionCaps">
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<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"/>
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</xsd:complexType>

<xsd:complexType name="SuspendLocationTrackingSessionCaps">
<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="GetLocationTrackingCapabilitiesCaps">
<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="GetLocationTrackingSessionsCaps">
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<xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="privateDataInAck" type="xsd:boolean" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>

<xsd:complexType name="LocationSessionInfoCaps">
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<xsd:element name="privateData" type="xsd:boolean" minOccurs="0"/>
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</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:element name="deviceIDTagPrivateNumber" type="xsd:boolean" minOccurs="0"/>
<xsd:element name="deviceIDTagPrivateName" 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="userSpecificDefaultForwardingType" 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:restriction>
</xsd:simpleType>

```

```

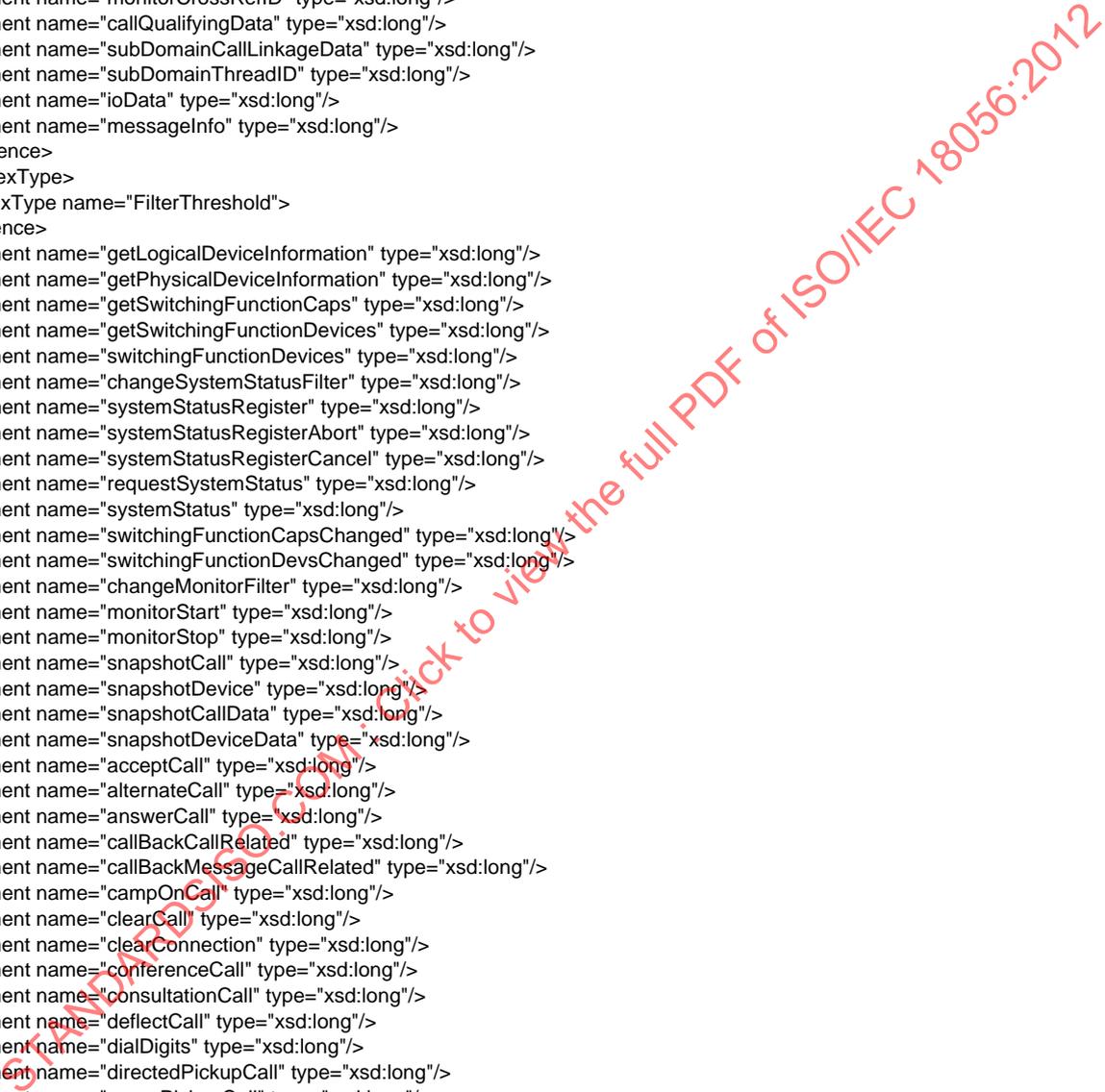
    <xsd:enumeration value="rejectMessage"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:simpleType name="PauseTime">
  <xsd:restriction base="xsd:long">
    <xsd:minInclusive value="0"/>
    <xsd:maxInclusive value="2000"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="TimeStampMode">
  <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:sequence>
</xsd:complexType>

```

```

<xsd:element name="charactersToSend">
  <xsd:simpleType>
    <xsd:restriction base="xsd:short">
      <xsd:minInclusive value="0"/>
      <xsd:maxInclusive value="64"/>
    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MaxLengthParametersContinued">
  <xsd:sequence>
    <xsd:element name="monitorCrossRefID" type="xsd:long"/>
    <xsd:element name="callQualifyingData" type="xsd:long"/>
    <xsd:element name="subDomainCallLinkageData" type="xsd:long"/>
    <xsd:element name="subDomainThreadID" type="xsd:long"/>
    <xsd:element name="ioData" type="xsd:long"/>
    <xsd:element name="messageInfo" type="xsd:long"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="FilterThreshold">
  <xsd:sequence>
    <xsd:element name="getLogicalDeviceInformation" type="xsd:long"/>
    <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:sequence>
</xsd:complexType>

```



```

<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: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="genericInteractiveVoice"/>
    <xsd:enumeration value="listenerInteractiveVoice"/>
    <xsd:enumeration value="dtmfInteractiveVoice"/>
    <xsd:enumeration value="promptInteractiveVoice"/>
    <xsd:enumeration value="promptQueueInteractiveVoice"/>
    <xsd:enumeration value="messageInteractiveVoice"/>
    <xsd:enumeration value="conference"/>
    <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="agent" 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="logOnToACDGroupExpOneStep" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="logOnToACDGroupExpITwoSteps" 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:TimeInfo"/>
      <xsd:element ref="csta:callingDevice" minOccurs="0"/>
      <xsd:element ref="csta:calledDevice" minOccurs="0"/>
      <xsd:element ref="csta:associatedCallingDevice" minOccurs="0"/>
      <xsd:element ref="csta:associatedCalledDevice" minOccurs="0"/>
      <xsd:element ref="csta:networkCallingDevice" minOccurs="0"/>
      <xsd:element ref="csta:networkCalledDevice" minOccurs="0"/>
      <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
      <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
      <xsd:element name="chargedDevice" type="csta:ChargedDevice" minOccurs="0"/>
      <xsd:element name="recordedCall" type="csta:ConnectionID" minOccurs="0"/>
      <xsd:element name="nodeNumber" type="csta:NodeNumber" minOccurs="0"/>
      <xsd:element name="tariffTable" type="xsd:long" minOccurs="0"/>
      <xsd:element name="connectionStart" type="csta:TimeInfo" minOccurs="0"/>
    </xsd: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>
```

## 9.12 Charge information

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>
```

### 9.13 Data call types

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

```

```

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

```

```

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

```

```

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

```

```

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

```

```

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

```

</xsd:schema>

### 9.14 Escape types

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
 elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

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

</xsd:schema>

### 9.15 Media services

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
 xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
 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="cstaIVRScript1"/>  
 <xsd:enumeration value="cstaIVRScript2"/>  
 <xsd:enumeration value="cstaIVRScript3"/>  
 <xsd:enumeration value="cstaIVRScript4"/>  
 <xsd:enumeration value="cstaIVRScript5"/>  
 <xsd:enumeration value="cstaIVRScript6"/>  
 <xsd:enumeration value="cstaIVRScript7"/>  
 <xsd:enumeration value="cstaIVRScript8"/>  
 <xsd:enumeration value="cstaIVRScript9"/>  
 <xsd:enumeration value="cstaIVRScript10"/>  
 <xsd:enumeration value="liveSoundCaptureAnalog"/>  
 <xsd:enumeration value="liveSoundTransmitAnalog"/>  
 <xsd:enumeration value="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="deflect" 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:sequence>

```

```

<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>

```

## 9.16 Physical device features

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

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

```

```

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

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

</xsd:schema>

```

## 9.18 Event Cause

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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="callInterception"/>
      <xsd:enumeration value="callInterceptionBusy"/>
      <xsd:enumeration value="callInterceptionForwarded"/>
      <xsd:enumeration value="callInterceptionNoAnswer"/>
      <xsd:enumeration value="callInterceptionResourcesNotAvailable"/>
      <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:restriction>
  </xsd:simpleType>

```

```

<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="lawfulInterception"/>
<xsd:enumeration value="lockout"/>
<xsd:enumeration value="maintenance"/>
<xsd:enumeration value="makeCall"/>
<xsd:enumeration value="makeConnection"/>
<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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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: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="connectionReservationOutOfRange"/>
<xsd:enumeration value="consultPurposeOutOfRange"/>
<xsd:enumeration value="correlatorDataOutOfRange"/>
<xsd:enumeration value="delayToleranceOutOfRange"/>
<xsd:enumeration value="destinationDetectOutOfRange"/>
<xsd:enumeration value="digitModeOutOfRange"/>
<xsd:enumeration value="doNotDisturbOutOfRange"/>

```

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```

<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="switchingCcttTypeOutOfRange"/>
<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:enumeration value="conferenceResourceCannotBeSatisfied"/>
    <xsd:enumeration value="maxDevicesExceeded"/>
    <xsd:enumeration value="startTimeOutOfRange"/>
    <xsd:enumeration value="durationExceeded"/>
  </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:choice>

```

```

    <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/ed6"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

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

  <xsd:complexType name="Empty"/>

</xsd:schema>

```

## 10 Top level schema

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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:include schemaLocation="get-registrations.xsd"/>
<xsd:include schemaLocation="registration-info.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:include schemaLocation="get-monitors.xsd"/>
<xsd:include schemaLocation="monitor-info.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-connection.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-presence-state.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-presence-state.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="presence-state-event.xsd"/>
<xsd:include schemaLocation="routing-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>
  <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>Location Services</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="get-location-information.xsd"/>
<xsd:include schemaLocation="set-location-information.xsd"/>
<xsd:include schemaLocation="location-tracking-session-resumed.xsd"/>
<xsd:include schemaLocation="location-tracking-session-suspended.xsd"/>
<xsd:include schemaLocation="resume-location-tracking-session.xsd"/>
<xsd:include schemaLocation="location-information-report.xsd"/>
<xsd:include schemaLocation="start-location-tracking-session.xsd"/>
<xsd:include schemaLocation="stop-location-tracking-session.xsd"/>
<xsd:include schemaLocation="suspend-location-tracking-session.xsd"/>
<xsd:include schemaLocation="get-location-tracking-capabilities.xsd"/>
<xsd:include schemaLocation="get-location-tracking-sessions.xsd"/>
<xsd:include schemaLocation="location-session-info.xsd"/>

```

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

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

```
</xsd:schema>
```

## 11 Capability exchange services

### 11.1 Services

#### 11.1.1 Get csta features

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">
```

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

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

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

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

```

### 11.1.2 Get logical device information

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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:sequence>
    </xsd:complexType>
  </xsd:element>

```

```

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

```

### 11.1.3 Get physical device information

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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:element name="monitorFilterItems" type="csta:MonitorFilterItems" minOccurs="0"/>
      <xsd:element name="miscMonitorCaps" type="csta:MiscMonitorCaps" minOccurs="0"/>
      <xsd:element name="correlatorDataSupported" type="xsd:boolean" minOccurs="0"/>
      <xsd:element name="dynamicFeatureSupported" type="csta:DynamicFeatureSupported"
        minOccurs="0"/>
      <xsd:element name="callLinkageOptions" type="csta:CallLinkageOptions" minOccurs="0"/>
      <xsd:element name="aCDModels" type="csta:ACDModels" minOccurs="0"/>
      <xsd:element name="agentLogOnModels" type="csta:AgentLogOnModels" minOccurs="0"/>
      <xsd:element name="agentStateModels" type="csta:AgentStateModels" minOccurs="0"/>
      <xsd:element name="connectionView" type="csta:ConnectionView"/>
      <xsd:element name="maxLengthParameters" type="csta:MaxLengthParameters"/>
      <xsd:element name="maxLengthParametersContinued" type="csta:MaxLengthParametersContinued"
        minOccurs="0"/>
      <xsd:element name="servEvtsList" type="csta:ServEvtsList" minOccurs="0"/>
      <xsd:element name="privateDataVersionList" type="csta:PrivateDataVersionList"
        minOccurs="0"/>
      <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="xsd:short" minOccurs="0"/>
<xsd:element name="maxDestinationDevicesForDeflect" type="xsd: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="l1aVoiceBrowserProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="l1bVoiceBrowserProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="l2VoiceBrowserProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="minimalEndpointCallControlProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="basicEndpointCallControlProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="advancedEndpointCallControlProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="conferencingEndpointCallControlProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="basicEndpointDeviceProfile" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="advancedEndpointDeviceProfile" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="DynamicFeatureSupported">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="none"/>
    <xsd:enumeration value="all"/>
    <xsd:enumeration value="some"/>
  </xsd:restriction>
</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="multiStateSemilIndependentLinked" type="xsd:boolean" minOccurs="0"/>
    <xsd:element name="agentOriented" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="ConnectionView">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="fixed"/>
    <xsd:enumeration value="local"/>
  </xsd:restriction>
</xsd:simpleType>
<xsd:complexType name="ServEvtsList">
  <xsd:sequence>
    <xsd:element name="capExchangeServList" type="csta:CapExchangeServList" minOccurs="0"/>
    <xsd:element name="systemServList" type="csta:SystemStatusServList" minOccurs="0"/>
    <xsd:element name="monitoringServList" type="csta:MonitoringServList" minOccurs="0"/>
    <xsd:element name="snapshotServList" type="csta:SnapshotServList" minOccurs="0"/>
    <xsd:element name="callControlServList" type="csta:CallControlServList" minOccurs="0"/>
    <xsd:element name="callControlEvtsList" type="csta:CallControlEvtsList" minOccurs="0"/>
    <xsd:element name="callAssociatedServList" type="csta:CallAssociatedServList" minOccurs="0"/>
    <xsd:element name="callAssociatedEvtsList" type="csta:CallAssociatedEvtsList" minOccurs="0"/>
    <xsd:element name="mediaServList" type="csta:MediaServList" minOccurs="0"/>
    <xsd:element name="mediaEvtsList" type="csta:MediaEvtsList" minOccurs="0"/>
    <xsd:element name="routingServList" type="csta:RoutingServList" minOccurs="0"/>
    <xsd:element name="physDevServList" type="csta:PhysDevServList" minOccurs="0"/>
    <xsd:element name="physDevEvtsList" type="csta:PhysDevEvtsList" minOccurs="0"/>
    <xsd:element name="logicalServList" type="csta:LogicalServList" minOccurs="0"/>
    <xsd:element name="logicalEvtsList" type="csta:LogicalEvtsList" minOccurs="0"/>
    <xsd:element name="deviceMaintEvtsList" type="csta:DeviceMaintEvtsList" minOccurs="0"/>
    <xsd:element name="IOservicesServList" type="csta:IOservicesServList" minOccurs="0"/>
    <xsd:element name="dataCollectionServList" type="csta:DataCollectionServList" minOccurs="0"/>
    <xsd:element name="voiceUnitServList" type="csta:VoiceUnitServList" minOccurs="0"/>
    <xsd:element name="voiceUnitEvtsList" type="csta:VoiceUnitEvtsList" minOccurs="0"/>
    <xsd:element name="cdrServList" type="csta:CDRServList" minOccurs="0"/>
    <xsd:element name="vendorSpecificServList" type="csta:VendorSpecificServList" minOccurs="0"/>
    <xsd:element name="vendorSpecificEvtsList" type="csta:VendorSpecificEvtsList" minOccurs="0"/>
    <xsd:element name="statusReportingServList" type="csta:StatusReportingServList" minOccurs="0"/>
    <xsd:element name="locationServicesServList" type="csta:LocationServicesServList" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="StatusReportingServList">
  <xsd:sequence>
    <xsd:element name="monitoringServices" type="csta:MonitoringServList" minOccurs="0"/>
    <xsd:element name="snapshotServices" type="csta:SnapshotServList" minOccurs="0"/>
    <xsd:element name="systemServices" type="csta:SystemStatusServList" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="MiscMediaCallCharacteristics">
  <xsd:sequence>
    <xsd:element name="supportAdjustment" type="xsd:boolean" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="PrivateDataVersionList">
  <xsd:sequence>

```

```

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

</xsd:schema>

```

### 11.1.5 Get switching function devices

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

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

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

  <xsd:simpleType name="ReqDeviceCategory">
    <xsd:restriction base="xsd:string">
      <xsd:enumeration value="acd"/>
      <xsd:enumeration value="groupACD"/>
      <xsd:enumeration value="groupHunt"/>
      <xsd:enumeration value="groupPick"/>
      <xsd:enumeration value="groupUser"/>
      <xsd:enumeration value="groupOther"/>
      <xsd:enumeration value="networkInterface"/>
      <xsd:enumeration value="park"/>
      <xsd:enumeration value="routeingDevice"/>
      <xsd:enumeration value="station"/>
      <xsd:enumeration value="voiceUnit"/>
      <xsd:enumeration value="genericIV"/>
      <xsd:enumeration value="listenerIV"/>
      <xsd:enumeration value="dtmfIV"/>
      <xsd:enumeration value="promptIV"/>
      <xsd:enumeration value="promptQueue"/>
      <xsd:enumeration value="messageIV"/>
      <xsd:enumeration value="conference"/>
      <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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

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

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

</xsd:schema>

```

## 12.2 Services

### 12.2.1 Request system status

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 12.2.2 System status

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

```

## ISO/IEC 18056:2012 (E)

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

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

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

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

</xsd:schema>
```

### 12.2.4 Switching function devices changed

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>
```

### 12.2.5 Get registrations

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
```

```

xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

<xsd:annotation>
  <xsd:documentation>CSTA-get-registrations</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="GetRegistrations">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="requestedRegTypes" type="csta:RegistrationTypeList" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetRegistrationsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="crossRefIDorRegistrationData">
        <xsd:complexType>
          <xsd:choice>
            <xsd:element name="serviceCrossRefID" type="csta:ServiceCrossRefID"/>
            <xsd:element name="registrationList" type="csta:RegistrationList"/>
          </xsd:choice>
        </xsd:complexType>
      </xsd:element>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>

```

### 12.2.6 Registration info

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-registration-info</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="RegistrationInfo">
    <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="registrationList" type="csta:RegistrationList" maxOccurs="unbounded"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

</xsd:schema>

## 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/ed6"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

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

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

</xsd:schema>

#### 13.1.2 Monitor start

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
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>

```

### 13.1.3 Monitor stop

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

### 13.1.4 Get monitors

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">

```

```

  <xsd:annotation>
    <xsd:documentation>CSTA-get-monitors</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="GetMonitors">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetMonitorsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="crossRefIDorRegistrationData">
        <xsd:complexType>
          <xsd:choice>
            <xsd:element name="serviceCrossRefID" type="csta:ServiceCrossRefID"/>
            <xsd:element name="monitorList" type="csta:MonitorList"/>
          </xsd:choice>
        </xsd:complexType>
      </xsd:element>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>

```

### 13.1.5 Monitor info

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6" elementFormDefault="qualified"
  attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-monitor-info</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="MonitorInfo">
    <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="monitorList" type="csta:MonitorList"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

## 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

14.1.3 Snapshot calldata

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

```

    <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>

```

#### 14.1.4 Snapshot devicedata

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

```

```

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

```

```

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

```

```

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

```

```

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

```

```
</xsd:schema>
```

## 15 Call control services and events

### 15.1 Services

#### 15.1.1 Accept call

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 15.1.2 Alternate call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

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

</xsd:schema>

```

### 15.1.3 Answer call

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

### 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

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

### 15.1.5 Call back message call-related

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

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

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

</xsd:schema>
```

### 15.1.6 Camp on call

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

### 15.1.7 Clear call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

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

</xsd:schema>

```

### 15.1.8 Clear Connection

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 15.1.9 Conference call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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="call-control.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 name="callLinkageDataList" type="csta:CallLinkageDataList" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

```
</xsd:schema>
```

### 15.1.10 Consultation call

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:callLinkageData" 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:include schemaLocation="call-control.xsd"/>

<xsd:element name="DeflectCall">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="callToBeDiverted" type="csta:ConnectionID"/>
      <xsd:element name="newDestination" type="csta:DeviceIDList"/>
      <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: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:complexType name="DeviceIDList">
  <xsd:sequence>
    <xsd:element name="device" type="csta:DeviceID" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

</xsd:schema>

```

**15.1.12 Dial digits**

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:complexType>
</xsd:element>

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

</xsd:schema>

```

### 15.1.13 Directed pickup call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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="call-control.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:callLinkageData" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

### 15.1.14 Group pickup call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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="call-control.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:callLinkageData" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

```
</xsd:schema>
```

### 15.1.15 Hold call

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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:complexType>
  </xsd:element>

</xsd:schema>

```

### 15.1.16 Intrude call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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="call-control.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 name="callLinkageDataList" type="csta:CallLinkageDataList" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

### 15.1.17 Join call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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 name="callLinkageDataList" type="csta:CallLinkageDataList" 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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:sequence>
    </xsd:complexType>
  </xsd:element>

```

```

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

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

</xsd:schema>

```

### 15.1.19 Make connection

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-make-connection</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="MakeConnection">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="initiatingDevice" 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:callCharacteristics" minOccurs="0"/>
        <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
        <xsd:element name="connectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
        <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
        <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
        <xsd:element ref="csta:reason" minOccurs="0"/>
        <xsd:element name="maxDevices" type="xsd:integer" minOccurs="0"/>
        <xsd:element name="startTime" type="csta:TimeInfo" minOccurs="0"/>
        <xsd:element name="duration" type="xsd:integer" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="MakeConnectionResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="initiatingDevice" type="csta:ConnectionID"/>
        <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>

```

```

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

</xsd:schema>

```

### 15.1.20 Make predictive call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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:callLinkageData" 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: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>

```

### 15.1.21 Park call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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="call-control.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:callLinkageData" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>

```

### 15.1.22 Reconnect call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

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

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

</xsd:schema>

```

### 15.1.23 Retrieve call

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"

```

```
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>
```

#### 15.1.24 Send Message

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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 name="listOfCallLinkageData" type="csta:CallLinkageDataListItems" 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:complexType name="CallLinkageDataListItems">
  <xsd:sequence>
    <xsd:element name="callLinkageData" type="csta:CallLinkageData" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>
</xsd:schema>

```

### 15.1.25 Single step conference call

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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="call-control.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 name="callLinkageDataList" type="csta:CallLinkageDataList" minOccurs="0"/>
    <xsd:element ref="csta:extensions" minOccurs="0"/>
  </xsd:sequence>
</xsd:complexType>
</xsd:element>
</xsd:schema>

```

### 15.1.26 Single step transfer call

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:include schemaLocation="call-control.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:callCharacteristics" 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 name="callLinkageDataList" type="csta:CallLinkageDataList" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

```
</xsd:schema>
```

15.1.27 Transfer call

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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="call-control.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 name="callLinkageDataList" type="csta:CallLinkageDataList" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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 name="locationInfoList" type="csta:LocationInfoList" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>

```

### 15.2.2 Call cleared

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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 name="locationInfoList" type="csta:LocationInfoList" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

## 15.2.3 Conferenced

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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 name="locationInfoList" type="csta:LocationInfoList" 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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 name="locationInfoList" type="csta:LocationInfoList" 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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:sequence>
    </xsd:complexType>
  </xsd:element>

```

```

<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 name="locationInfoList" type="csta:LocationInfoList" 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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 name="locationInfoList" type="csta:LocationInfoList" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

```

    <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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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 name="locationInfoList" type="csta:LocationInfoList" 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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 name="locationInfoList" type="csta:LocationInfoList" 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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 name="locationInfoList" type="csta:LocationInfoList" 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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 name="csta:languagePreferences" minOccurs="0"/>
      <xsd:element name="locationInfoList" type="csta:LocationInfoList" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>

```

**15.2.11 Network capabilities changed**

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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:sequence>
    </xsd:complexType>
  </xsd:element>

```

```

    <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 name="locationInfoList" type="csta:LocationInfoList" 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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 name="locationInfoList" type="csta:LocationInfoList" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

## ISO/IEC 18056:2012 (E)

```
</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/ed6"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
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 name="locationInfoList" type="csta:LocationInfoList" 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/ed6"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
```

```

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 name="locationInfoList" type="csta:LocationInfoList" 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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 name="locationInfoList" type="csta:LocationInfoList" 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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 name="locationInfoList" type="csta:LocationInfoList" 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:calledDevice" 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: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 name="locationInfoList" type="csta:LocationInfoList" 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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 name="locationInfoList" type="csta:LocationInfoList" 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

  <xsd:element name="AssociateData">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="existingCall" type="csta:ConnectionID"/>
        <xsd:element ref="csta:accountCode" minOccurs="0"/>
        <xsd:element ref="csta:authCode" minOccurs="0"/>
        <xsd:element ref="csta:correlatorData" minOccurs="0"/>
        <xsd:element name="callQualifyingData" type="csta:CallQualifyingData" minOccurs="0"/>
        <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
        <xsd:element ref="csta:subjectOfCall" minOccurs="0"/>
        <xsd:element ref="csta:languagePreferences" minOccurs="0"/>
        <xsd:element name="deviceInfo" type="csta:DeviceID" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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

</xsd:schema>
```

#### 16.1.2 Cancel telephony tones

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

  <xsd:element name="ChangeConnectionInformation">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="connectionToBeChanged" type="csta:ConnectionID"/>
        <xsd:element name="requestedConnectionInfo" type="csta:ConnectionInformation"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="ChangeConnectionInformationResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="actualConnectionInfo" type="csta:ConnectionInformation"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

### 16.1.4 Generate digits

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-generate-telephony-tones</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="GenerateTelephonyTones">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="connectionToSendTone" type="csta:ConnectionID"/>
        <xsd:element name="toneToSend" type="csta:TelephonyTone"/>
        <xsd:element name="toneDuration" type="xsd:long" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="GenerateTelephonyTonesResponse">
    <xsd:complexType>
      <xsd:sequence>

```

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

```
</xsd:schema>
```

### 16.1.6 Send user information

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

## 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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 name="deviceInfo" type="csta:DeviceID" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>

```

### 16.2.2 Charging

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

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

  <xsd:include schemaLocation="event-cause.xsd"/>
  <xsd:include schemaLocation="device-identifiers.xsd"/>
  <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="charge-info.xsd"/>
  <xsd:include schemaLocation="status-reporting.xsd"/>

  <xsd:element name="ChargingEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="connection" type="csta:ConnectionID"/>
        <xsd:element name="chargedDevice" type="csta:DeviceID"/>
        <xsd:element name="chargingInfo" type="csta:ChargingInfo"/>
        <xsd:element ref="csta:cause" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

### 16.2.3 Digits generated

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"

```

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```
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

```
<xsd:annotation>
  <xsd:documentation>CSTA-digits-generated-event</xsd:documentation>
</xsd:annotation>
```

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

```
<xsd:element name="DigitsGeneratedEvent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:monitorCrossRefID"/>
      <xsd:element name="connection" type="csta:ConnectionID"/>
      <xsd:element name="digitGeneratedList" type="xsd:string"/>
      <xsd:element name="digitDurationList" minOccurs="0">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element name="digitDuration" type="xsd:long" minOccurs="0"
              maxOccurs="unbounded"/>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
      <xsd:element name="pauseDurationList" minOccurs="0">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element name="pauseDuration" type="xsd:long" minOccurs="0"
              maxOccurs="unbounded"/>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
      <xsd:element name="connectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

```
</xsd:schema>
```

### 16.2.4 Telephony tones generated

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:sequence>
  </xsd:complexType>
</xsd:element>
```

```

<xsd:element name="toneGenerated" type="csta:TelephonyTone" minOccurs="0"/>
<xsd:element name="toneFrequency" type="xsd:long" minOccurs="0"/>
<xsd:element name="toneDuration" type="xsd:long" minOccurs="0"/>
<xsd:element name="pauseDuration" type="xsd:long" minOccurs="0"/>
<xsd:element name="connectionInfo" type="csta:ConnectionInformation" minOccurs="0"/>
<xsd:element ref="csta:extensions" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>
</xsd:element>

</xsd:schema>

```

### 16.2.5 Service completion failure

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:sequence>
</xsd:complexType>

```

```

    <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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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="call-control.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:callLinkageData" 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

```
<xsd:annotation>
  <xsd:documentation>CSTA-detach-media-service</xsd:documentation>
</xsd:annotation>
```

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

```
<xsd:element name="DetachMediaService">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="connection" type="csta:ConnectionID"/>
      <xsd:element name="mediaServiceType" type="csta:MediaServiceType"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

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

```
</xsd:schema>
```

## 17.2 Events

### 17.2.1 Media attached

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

### 17.2.2 Media detached

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

## 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-route-register</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="RouteRegister">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="routeingDevice" type="csta:DeviceID" minOccurs="0"/>
        <xsd:element name="requestedRouteingMediaClass" type="csta:MediaClass" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="RouteRegisterResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:routeRegisterReqID"/>
        <xsd:element name="actualRouteingMediaClass" type="csta:MediaClass" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

#### 18.1.2 Route register abort

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:sequence>
  </xsd:complexType>
</xsd:element>

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

</xsd:schema>

```

### 18.1.3 Route register cancel

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

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

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

</xsd:schema>

```

## 18.2 Services

### 18.2.1 Re-Route

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 18.2.2 Route end

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-route-end</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="RouteEnd">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:crossRefIdentifier"/>
        <xsd:element ref="csta:routeRegisterReqID" minOccurs="0"/>
        <xsd:element name="errorValue" type="csta:ErrorValue" minOccurs="0"/>
        <xsd:element ref="csta:correlatorData" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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

</xsd:schema>

```

### 18.2.3 Route reject

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 18.2.4 Route request

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-route-request</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="RouteRequest">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:crossRefIdentifier"/>
        <xsd:element ref="csta:routeRegisterReqID" minOccurs="0"/>
        <xsd:element name="currentRoute" type="csta:CalledDeviceID"/>
        <xsd:element ref="csta:callingDevice" minOccurs="0"/>
        <xsd:element name="routeingDevice" type="csta:SubjectDeviceID" minOccurs="0"/>
        <xsd:element name="routedCall" type="csta:ConnectionID" minOccurs="0"/>
        <xsd:element name="routeSelAlgorithm" type="csta:SelectValue" minOccurs="0"/>
        <xsd:element ref="csta:associatedCallingDevice" minOccurs="0"/>
        <xsd:element ref="csta:associatedCalledDevice" minOccurs="0"/>
        <xsd:element name="priority" type="xsd:boolean" minOccurs="0"/>
        <xsd:element name="replyTimeout" type="xsd:long" minOccurs="0"/>
        <xsd:element ref="csta:correlatorData" minOccurs="0"/>
        <xsd:element ref="csta:mediaCallCharacteristics" minOccurs="0"/>
        <xsd:element ref="csta:callCharacteristics" minOccurs="0"/>
        <xsd:element name="routeCallInfo" type="csta:ConnectionInformation" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

```

    <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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-route-select</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="RouteSelect">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:crossRefIdentifier"/>
        <xsd:element ref="csta:routeRegisterReqID" minOccurs="0"/>
        <xsd:element name="routeSelected" type="csta:DeviceID"/>
        <xsd:element name="alternateRoutes" type="csta:alternateRoutesRecord" minOccurs="0"/>
        <xsd:element name="remainRetries" type="csta:RetryValue" minOccurs="0"/>
        <xsd:element name="routeUsedReq" type="xsd:boolean" minOccurs="0"/>
        <xsd:element ref="csta:correlatorData" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:complexType name="alternateRoutesRecord">
    <xsd:sequence>
      <xsd:element name="deviceID" type="csta:DeviceID" minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>

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

</xsd:schema>

```

### 18.2.6 Route used

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"

```

elementFormDefault="qualified" attributeFormDefault="unqualified">

```
<xsd:annotation>
  <xsd:documentation>CSTA-route-used</xsd:documentation>
</xsd:annotation>
```

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

```
<xsd:element name="RouteUsed">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:crossRefIdentifier"/>
      <xsd:element ref="csta:routeRegisterReqID" minOccurs="0"/>
      <xsd:element name="routeUsed" type="csta:CalledDeviceID"/>
      <xsd:element ref="csta:callingDevice" minOccurs="0"/>
      <xsd:element name="domain" type="xsd:boolean" minOccurs="0"/>
      <xsd:element ref="csta:correlatorData" minOccurs="0"/>
      <xsd:element ref="csta:callLinkageData" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

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

</xsd:schema>

## 19 Physical device features

### 19.1 Services

#### 19.1.1 Button press

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>
</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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-get-lamp-information</xsd:documentation>
  </xsd:annotation>

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

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

  <xsd:element name="GetLampInformationResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="lampList" type="csta:LampList"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:complexType name="LampList">
    <xsd:sequence>
      <xsd:element name="lampItem" type="csta:LampItem" minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="LampItem">
    <xsd:sequence>
      <xsd:element name="lamp" type="csta:LampID"/>
      <xsd:element name="lampLabel" type="xsd:string" minOccurs="0"/>
      <xsd:element name="button" type="csta:ButtonID" minOccurs="0"/>
      <xsd:element name="lampColor" type="csta:LampColor" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>

```

```

    </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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"

```

```
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

### 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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/ed6"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
 elementFormDefault="qualified" attributeFormDefault="unqualified">

<xsd:annotation>  
 <xsd:documentation>CSTA-get-ringer-status</xsd:documentation>  
 </xsd:annotation>

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

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

<xsd:element name="GetRingerStatusResponse">  
 <xsd:complexType>  
 <xsd:sequence>  
 <xsd:element name="ringerStatusList" type="csta:RingerStatusList"/>  
 <xsd:element ref="csta:extensions" minOccurs="0"/>  
 </xsd:sequence>  
 </xsd:complexType>  
 </xsd:element>

<xsd:complexType name="RingerStatusList">  
 <xsd:sequence>  
 <xsd:element name="ringerStatusItem" type="csta:RingerStatusItem" minOccurs="0"  
 maxOccurs="unbounded"/>  
 </xsd:sequence>  
 </xsd:complexType>

<xsd:complexType name="RingerStatusItem">  
 <xsd:sequence>  
 <xsd:element name="ringer" type="csta:RingerID"/>  
 <xsd:element name="ringMode" type="csta:RingMode"/>  
 <xsd:element name="ringCount" minOccurs="0">  
 <xsd:simpleType>  
 <xsd:restriction base="xsd:integer">  
 <xsd:minInclusive value="0"/>  
 <xsd:maxInclusive value="1000"/>  
 </xsd:restriction>  
 </xsd:simpleType>  
 </xsd:element>  
 <xsd:element name="ringDuration" type="xsd:integer" minOccurs="0"/>  
 <xsd:element name="ringPattern" type="xsd:long" minOccurs="0"/>  
 <xsd:element name="ringVolAbs" minOccurs="0">  
 <xsd:simpleType>  
 <xsd:restriction base="xsd:integer">  
 <xsd:minInclusive value="0"/>  
 <xsd:maxInclusive value="100"/>  
 </xsd:restriction>  
 </xsd:simpleType>  
 </xsd:element>

```

</xsd:sequence>
</xsd:complexType>
</xsd:schema>

```

### 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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:sequence>
    </xsd:complexType>
  </xsd:element>

```

```

    </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>

```

### 19.1.15 Set display

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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 name="characterSet" type="csta:CharacterSet" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

```

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

```

```
</xsd:schema>
```

19.1.16 Set hookswitch status

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-set-hookswitch-status</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="SetHookswitchStatus">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="device" type="csta:DeviceID"/>
        <xsd:element name="hookswitch" type="csta:HookswitchID"/>
        <xsd:element name="hookswitchOnhook" type="xsd:boolean"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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

</xsd:schema>
```

19.1.17 Set lamp mode

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-set-message-waiting-indicator</xsd:documentation>
  </xsd:annotation>

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

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

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

</xsd:schema>

```

### 19.1.19 Set microphone gain

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

```

```

  <xsd:annotation>
    <xsd:documentation>CSTA-set-microphone-mute</xsd:documentation>
  </xsd:annotation>

```

```

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

```

```

  <xsd:element name="SetMicrophoneMute">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="device" type="csta:DeviceID"/>
        <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
        <xsd:element name="microphoneMuteOn" type="xsd:boolean"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

```

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

```

```
</xsd:schema>
```

### 19.1.21 Set ringer status

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">
```

```
<xsd:annotation>
  <xsd:documentation>CSTA-set-speaker-mute</xsd:documentation>
</xsd:annotation>
```

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

```
<xsd:element name="SetSpeakerMute">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="device" type="csta:DeviceID"/>
      <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
      <xsd:element name="speakerMuteOn" type="xsd:boolean"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

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

```
</xsd:schema>
```

19.1.23 Set speaker volume

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-set-speaker-volume</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="SetSpeakerVolume">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="device" type="csta:DeviceID"/>
        <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
        <xsd:element name="speakerVolume" type="csta:Volume"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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

</xsd:schema>
```

19.2 Events

19.2.1 Button information

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:sequence>
    </xsd:complexType>
  </xsd:element>
```

```

    <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>

```

### 19.2.2 Button press

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

```

```

  <xsd:annotation>
    <xsd:documentation>CSTA-button-press-event</xsd:documentation>
  </xsd:annotation>

```

```

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

```

```

  <xsd:element name="ButtonPressEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="device" type="csta:SubjectDeviceID"/>
        <xsd:element name="button" type="csta:ButtonID"/>
        <xsd:element name="buttonLabel" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:minLength value="0"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <xsd:element name="buttonAssociatedNumber" type="csta:DeviceID" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

```
</xsd:schema>
```

### 19.2.3 Display updated

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

#### 19.2.4 Hookswitch

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

  <xsd:element name="HookswitchEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="device" type="csta:SubjectDeviceID"/>
        <xsd:element name="hookswitch" type="csta:HookswitchID"/>
        <xsd:element name="hookswitchOnHook" type="xsd:boolean"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

#### 19.2.5 Lamp mode

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 19.2.6 Message waiting

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-message-waiting-event</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="MessageWaitingEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="targetDevice" type="csta:SubjectDeviceID"/>
        <xsd:element name="deviceForMessage" type="csta:DeviceID" minOccurs="0"/>
        <xsd:element name="messageWaitingOn" type="xsd:boolean"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

### 19.2.7 Microphone gain

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"

```

## ISO/IEC 18056:2012 (E)

```
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

### 19.2.8 Microphone mute

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-microphone-mute-event</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="MicrophoneMuteEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="invokingDevice" type="csta:SubjectDeviceID"/>
        <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
        <xsd:element name="microphoneMuteOn" type="xsd:boolean"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

### 19.2.9 Ringer status

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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="ringDuration" type="xsd:integer" minOccurs="0"/>
      <xsd:element name="ringPattern" type="xsd:long" minOccurs="0"/>
      <xsd:element name="ringVolume" type="csta:Volume" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

```
</xsd:schema>
```

### 19.2.10 Speaker mute

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">
```

```
<xsd:annotation>
  <xsd:documentation>CSTA-speaker-mute-event</xsd:documentation>
</xsd:annotation>
```

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

```
<xsd:element name="SpeakerMuteEvent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:monitorCrossRefID"/>
      <xsd:element name="invokingDevice" type="csta:SubjectDeviceID"/>
      <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>
      <xsd:element name="speakerMuteOn" type="xsd:boolean"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

```
</xsd:schema>
```

### 19.2.11 Speaker volume

```
<?xml version="1.0" encoding="UTF-8"?>  
  
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
elementFormDefault="qualified" attributeFormDefault="unqualified">  
  
  <xsd:annotation>  
    <xsd:documentation>CSTA-speaker-volume-event</xsd:documentation>  
  </xsd:annotation>  
  
  <xsd:include schemaLocation="device-identifiers.xsd"/>  
  <xsd:include schemaLocation="extension-types.xsd"/>  
  <xsd:include schemaLocation="physical-device-features.xsd"/>  
  <xsd:include schemaLocation="status-reporting.xsd"/>  
  
  <xsd:element name="SpeakerVolumeEvent">  
    <xsd:complexType>  
      <xsd:sequence>  
        <xsd:element ref="csta:monitorCrossRefID"/>  
        <xsd:element name="invokingDevice" type="csta:SubjectDeviceID"/>  
        <xsd:element name="auditoryApparatus" type="csta:AuditoryApparatusID"/>  
        <xsd:element name="speakerVolume" type="csta:Volume"/>  
        <xsd:element ref="csta:extensions" minOccurs="0"/>  
      </xsd:sequence>  
    </xsd:complexType>  
  </xsd:element>  
  
</xsd:schema>
```

## 20 Logical device features

### 20.1 Services

#### 20.1.1 Call back non-call-related

```
<?xml version="1.0" encoding="UTF-8"?>  
  
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
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>
```

### 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

```

```

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

```

```

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

```

```

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

```

```

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

```

```
</xsd:schema>
```

### 20.1.3 Cancel call back

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

#### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

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

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

</xsd:schema>

```

#### 20.1.5 Get agent state

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-get-auto-answer</xsd:documentation>
  </xsd:annotation>

```

```

</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>

```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-get-auto-work-mode</xsd:documentation>
  </xsd:annotation>

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

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

  <xsd:element name="GetAutoWorkModeResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="autoWorkOn" type="xsd:boolean"/>
        <xsd:element name="autoWorkInterval" type="xsd:long" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

### 20.1.8 Get call back

```

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

```

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

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

  <xsd:element name="GetCallBackResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="callBackList" type="csta:CallBackList" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:complexType name="CallBackList">
    <xsd:sequence>
      <xsd:element name="callBackListItem" type="csta:CallBackListItem" minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>

  <xsd:complexType name="CallBackListItem">
    <xsd:sequence>
      <xsd:element name="originatingDevice" type="csta:DeviceID"/>
      <xsd:element name="targetDevice" type="csta:DeviceID"/>
      <xsd:element name="callBackMessageIndicator" type="xsd:boolean" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>

</xsd:schema>

```

### 20.1.9 Get caller id status

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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: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>

```

### 20.1.10 Get do not disturb

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-get-do-not-disturb</xsd:documentation>
  </xsd:annotation>

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

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

  <xsd:element name="GetDoNotDisturbResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="doNotDisturbOn" type="xsd:boolean"/>
        <xsd:element name="callOrigination" type="csta:CallOrigination" minOccurs="0"/>
        <xsd:element name="callingDeviceList" minOccurs="0">
          <xsd:complexType>
            <xsd:sequence>
              <xsd:element name="callingDevice" type="csta:DeviceID" minOccurs="0"
                maxOccurs="unbounded"/>
            </xsd:sequence>
          </xsd:complexType>
        </xsd:element>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

### 20.1.11 Get forwarding

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"

```

```
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

### 20.1.12 Get last number dialed

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

```
<xsd:annotation>
  <xsd:documentation>CSTA-get-last-number-dialed</xsd:documentation>
</xsd:annotation>
```

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

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

```
<xsd:element name="GetLastNumberDialedResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="numberDialed" type="csta:DeviceID"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

```
</xsd:schema>
```

20.1.13 Get presence state

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-get-presence-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="GetPresenceState">
    <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="GetPresenceStateResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="presenceState" type="csta:PresenceState"/>
        <xsd:element name="fromTime" type="csta:TimeInfo" minOccurs="0"/>
        <xsd:element name="untilTime" type="csta:TimeInfo" minOccurs="0"/>
        <xsd:element name="place" type="xsd:string" minOccurs="0"/>
        <xsd:element name="mood" type="xsd:string" minOccurs="0"/>
        <xsd:element name="namedPresenceState" type="xsd:string" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

20.1.14 Get routing mode

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

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

```

<xsd:element name="GetRouteingModeResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="routeingMode" type="xsd:boolean"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
</xsd:schema>

```

### 20.1.15 Set agent state

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>
```

### 20.1.16 Set auto answer

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

```
<xsd:annotation>
  <xsd:documentation>CSTA-set-auto-answer</xsd:documentation>
</xsd:annotation>
```

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

```
<xsd:element name="SetAutoAnswer">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="device" type="csta:DeviceID"/>
      <xsd:element name="autoAnswerOn" type="xsd:boolean"/>
      <xsd:element name="numberOfRings" type="xsd:long" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

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

```
</xsd:schema>
```

### 20.1.17 Set auto work mode

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

### 20.1.18 Set caller id status

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

```
<xsd:annotation>
<xsd:documentation>CSTA-set-caller-id-status</xsd:documentation>
</xsd:annotation>
```

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

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

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

```
</xsd:schema>
```

### 20.1.19 Set do not disturb

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

### 20.1.20 Set forwarding

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">
    <xsd:annotation>
        <xsd:documentation>CSTA-set-forwarding</xsd:documentation>
    </xsd:annotation>
    <xsd:include schemaLocation="device-identifiers.xsd"/>
    <xsd:include schemaLocation="device-feature-types.xsd"/>
    <xsd:include schemaLocation="extension-types.xsd"/>
    <xsd:element name="SetForwarding">
        <xsd:complexType>
            <xsd:sequence>
                <xsd:element name="device" type="csta:DeviceID"/>
                <xsd:element name="forwardingType" type="csta:ForwardingType" minOccurs="0"/>
                <xsd:element name="activateForward" type="xsd:boolean"/>
                <xsd:element name="forwardDN" type="csta:DeviceID" minOccurs="0"/>
                <xsd:element name="ringCount" minOccurs="0">
                    <xsd:simpleType>
                        <xsd:restriction base="xsd:long">
                            <xsd:minInclusive value="1"/>
                            <xsd:maxInclusive value="100"/>
                        </xsd:restriction>
                    </xsd:simpleType>
                </xsd:element>
                <xsd:element name="ringDuration" type="xsd:integer" minOccurs="0"/>
                <xsd:element ref="csta:extensions" minOccurs="0"/>
            </xsd:sequence>
        </xsd:complexType>
    </xsd:element>
    <xsd:element name="SetForwardingResponse">
        <xsd:complexType>
            <xsd:sequence>
                <xsd:element ref="csta:extensions" minOccurs="0"/>
            </xsd:sequence>
        </xsd:complexType>
    </xsd:element>
</xsd:schema>

```

**20.1.21 Set presence state**

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation> CSTA-set-presence-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="SetPresenceState">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="device" type="csta:DeviceID"/>
        <xsd:element name="requestedPresenceState" type="csta:PresenceState"/>
        <xsd:element name="fromTime" type="csta:TimeInfo" minOccurs="0"/>
        <xsd:element name="untilTime" type="csta:TimeInfo" minOccurs="0"/>
        <xsd:element name="place" type="xsd:string" minOccurs="0"/>
        <xsd:element name="mood" type="xsd:string" minOccurs="0"/>
        <xsd:element name="namedPresenceState" type="xsd:string" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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

</xsd:schema>

```

**20.1.22 Set routing mode**

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

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

```

```

</xsd:element>

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

</xsd:schema>

```

## 20.2 Events

### 20.2.1 Agent busy

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-agent-logged-off-event</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="event-cause.xsd"/>
  <xsd:include schemaLocation="device-identifiers.xsd"/>
  <xsd:include schemaLocation="status-reporting.xsd"/>
  <xsd:include schemaLocation="device-feature-types.xsd"/>

```

```

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

<xsd:element name="AgentLoggedOffEvent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:monitorCrossRefID"/>
      <xsd:element name="agentDevice" type="csta:SubjectDeviceID"/>
      <xsd:element name="agentID" type="csta:AgentID" minOccurs="0"/>
      <xsd:element name="acdGroup" type="csta:DeviceID" minOccurs="0"/>
      <xsd:element name="agentPassword" type="csta:AgentPassword" minOccurs="0"/>
      <xsd:element ref="csta:cause" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>

```

### 20.2.3 Agent logged on

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-agent-not-ready-event</xsd:documentation>
  </xsd:annotation>

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

```

```

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

<xsd:element name="AgentNotReadyEvent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:monitorCrossRefID"/>
      <xsd:element name="agentDevice" type="csta:SubjectDeviceID"/>
      <xsd:element name="agentID" type="csta:AgentID" minOccurs="0"/>
      <xsd:element name="acdGroup" type="csta:DeviceID" minOccurs="0"/>
      <xsd:element ref="csta:cause" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>

```

### 20.2.5 Agent ready

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 20.2.7 Auto answer

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-auto-answer-event</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="AutoAnswerEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="invokingDevice" type="csta:SubjectDeviceID"/>
        <xsd:element name="autoAnswerOn" type="xsd:boolean"/>
        <xsd:element name="numberOfRings" type="xsd:long" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

### 20.2.8 Auto work mode

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"

```

## ISO/IEC 18056:2012 (E)

```
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

```
<xsd:annotation>  
  <xsd:documentation>CSTA-auto-work-mode-event</xsd:documentation>  
</xsd:annotation>
```

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

```
<xsd:element name="AutoWorkModeEvent">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element ref="csta:monitorCrossRefID"/>  
      <xsd:element name="invokingDevice" type="csta:SubjectDeviceID"/>  
      <xsd:element name="autoWorkOn" type="xsd:boolean"/>  
      <xsd:element name="autoWorkInterval" type="xsd:long"/>  
      <xsd:element ref="csta:extensions" minOccurs="0"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

```
</xsd:schema>
```

### 20.2.9 Call back

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

```
<xsd:annotation>  
  <xsd:documentation>CSTA-call-back-event</xsd:documentation>  
</xsd:annotation>
```

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

```
<xsd:element name="CallBackEvent">  
  <xsd:complexType>  
    <xsd:sequence>  
      <xsd:element ref="csta:monitorCrossRefID"/>  
      <xsd:element name="originatingDevice" type="csta:SubjectDeviceID"/>  
      <xsd:element name="targetDevice" type="csta:SubjectDeviceID"/>  
      <xsd:element name="callBackSetCanceled" type="xsd:boolean"/>  
      <xsd:element ref="csta:extensions" minOccurs="0"/>  
    </xsd:sequence>  
  </xsd:complexType>  
</xsd:element>
```

```
</xsd:schema>
```

### 20.2.10 Call back message

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

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

```

</xsd:annotation>

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

<xsd:element name="CallBackMessageEvent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:monitorCrossRefID"/>
      <xsd:element name="originatingDevice" type="csta:SubjectDeviceID"/>
      <xsd:element name="targetDevice" type="csta:SubjectDeviceID"/>
      <xsd:element name="callBackMsgSetCanceled" type="xsd:boolean"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

</xsd:schema>

```

### 20.2.11 Caller id status

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-do-not-disturb-event</xsd:documentation>
  </xsd:annotation>

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

```

```

<xsd:element name="DoNotDisturbEvent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:monitorCrossRefID"/>
      <xsd:element name="device" type="csta:SubjectDeviceID"/>
      <xsd:element name="doNotDisturbOn" type="xsd:boolean"/>
      <xsd:element name="callOrigination" type="csta:CallOrigination" minOccurs="0"/>
      <xsd:element name="callingDeviceList" minOccurs="0">
        <xsd:complexType>
          <xsd:sequence>
            <xsd:element name="callingDevice" type="csta:DeviceID" minOccurs="0"
              maxOccurs="unbounded"/>
          </xsd:sequence>
        </xsd:complexType>
      </xsd:element>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
</xsd:schema>

```

### 20.2.13 Forwarding

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">
  <xsd:annotation>
    <xsd:documentation>CSTA-forwarding-event</xsd:documentation>
  </xsd:annotation>
  <xsd:include schemaLocation="device-identifiers.xsd"/>
  <xsd:include schemaLocation="status-reporting.xsd"/>
  <xsd:include schemaLocation="device-feature-types.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:element name="ForwardingEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="device" type="csta:SubjectDeviceID"/>
        <xsd:element name="forwardingType" type="csta:ForwardingType" minOccurs="0"/>
        <xsd:element name="forwardStatus" type="xsd:boolean"/>
        <xsd:element name="forwardTo" type="csta:DeviceID" minOccurs="0"/>
        <xsd:element name="forwardDefault" type="csta:ForwardDefault" minOccurs="0"/>
        <xsd:element name="ringCount" minOccurs="0">
          <xsd:simpleType>
            <xsd:restriction base="xsd:short">
              <xsd:minInclusive value="1"/>
              <xsd:maxInclusive value="100"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <xsd:element name="ringDuration" type="xsd:integer" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```

### 20.2.14 Presence state

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-presence-state-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="PresenceStateEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="device" type="csta:SubjectDeviceID"/>
        <xsd:element name="presenceState" type="csta:PresenceState"/>
        <xsd:element name="fromTime" type="csta:TimeInfo" minOccurs="0"/>
        <xsd:element name="untilTime" type="csta:TimeInfo" minOccurs="0"/>
        <xsd:element name="place" type="xsd:string" minOccurs="0"/>
        <xsd:element name="mood" type="xsd:string" minOccurs="0"/>
        <xsd:element name="namedPresenceState" type="xsd:string" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

### 20.2.15 Routeing mode

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

## 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-back-in-service-event</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="BackInServiceEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="device" type="csta:SubjectDeviceID"/>
        <xsd:element ref="csta:cause" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

#### 21.1.2 Device capabilities changed

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

### 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-out-of-service-event</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="OutOfServiceEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="device" type="csta:SubjectDeviceID"/>
        <xsd:element ref="csta:cause" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

### 21.1.4 Partially In service

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

## 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-io-register</xsd:documentation>
  </xsd:annotation>

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

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

  <xsd:element name="IORegisterResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="ioRegisterRequestID" type="csta:IORegisterReqID"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

#### 22.1.2 I/O register abort

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">
```

```
<xsd:annotation>
  <xsd:documentation>CSTA-io-register-cancel</xsd:documentation>
</xsd:annotation>
```

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

```
<xsd:element name="IORegisterCancel">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="ioRegisterRequestID" type="csta:IORegisterReqID"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

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

```
</xsd:schema>
```

## 22.2 Services

### 22.2.1 Data path resumed

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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:sequence>
  </xsd:complexType>
</xsd:element>

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

</xsd:schema>

```

### 22.2.2 Data path suspended

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-data-path-suspended</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="DataPathSuspended">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="ioCrossRefID" type="csta:IOCrossRefID"/>
        <xsd:element name="ioRegisterRequestID" type="csta:IORegisterReqID" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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

</xsd:schema>

```

### 22.2.3 Fast data

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-send-broadcast-data</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="SendBroadcastData">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="ioData">
          <xsd:simpleType>
            <xsd:restriction base="xsd:hexBinary">
              <xsd:minLength value="0"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <xsd:element name="dataPathType" type="csta:DataPathType" minOccurs="0"/>
        <xsd:element name="displayAttributes" type="csta:DisplayAttributeList" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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

</xsd:schema>

```

### 22.2.6 Send data

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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: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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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: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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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:IORRegisterReqID" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

```

```

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

```

```
</xsd:schema>
```

### 22.2.10 Suspend data path

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

## 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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: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>

### 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/ed6"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
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:dcolCrossRefID"/>  
<xsd:element ref="csta:extensions" minOccurs="0"/>  
</xsd:sequence>  
</xsd:complexType>  
</xsd:element>

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

</xsd:schema>

### 23.1.3 Data Collection Suspended

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
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:dcolCrossRefID"/>  
<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>

```

### 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/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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:dcolCrossRefID"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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

</xsd:schema>

```

### 23.1.5 Start Data Collection

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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: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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

### 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:dcolCrossRefID"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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

</xsd:schema>

```

## 24 Voice services and events

### 24.1 Services

#### 24.1.1 Activate

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

### 24.1.2 Clear

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

  <xsd:element name="Clear">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="overConnection" type="csta:ConnectionID"/>
        <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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

</xsd:schema>

```

### 24.1.3 Concatenate message

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"

```

```

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>

```

#### 24.1.4 Deactivate

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

### 24.1.5 Delete message

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
 elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

<xsd:element name="DeleteMessage">  
 <xsd:complexType>  
 <xsd:sequence>  
 <xsd:element name="messageToBeDeleted" type="csta:MessageID"/>  
 <xsd:element ref="csta:extensions" minOccurs="0"/>  
 </xsd:sequence>  
 </xsd:complexType>  
 </xsd:element>

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

</xsd:schema>

### 24.1.6 Play message

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
 xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
 xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"  
 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>

```

### 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/ed6" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:restriction>
  </xsd:simpleType>

```

```

<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/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">

```

```
<!--The QueueService element name in ECMA-323 is equivalent to the Queue service name in ECMA-269-->
```

```

<xsd:annotation>
  <xsd:documentation>CSTA-queue-service</xsd:documentation>
</xsd:annotation>

```

```

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

```

```

<xsd:element name="QueueService">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="overConnection" type="csta:ConnectionID"/>
      <xsd:element name="message" type="csta:MessageID" minOccurs="0"/>
      <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
      <xsd:element name="text" type="xsd:string" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

```

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

```

```
</xsd:schema>
```

### 24.1.9 Record message

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

#### 24.1.10 Reposition

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

### 24.1.11 Resume

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

    <xsd:element name="Resume">
        <xsd:complexType>
            <xsd:sequence>
                <xsd:element name="connection" type="csta:ConnectionID"/>
                <xsd:element name="messageToResume" type="csta:MessageID" minOccurs="0"/>
                <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
                <xsd:element name="duration" type="xsd:long" minOccurs="0"/>
                <xsd:element ref="csta:extensions" minOccurs="0"/>
            </xsd:sequence>
        </xsd:complexType>
    </xsd:element>

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

</xsd:schema>

```

### 24.1.12 Review

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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: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>

```

**24.1.14 Start**

```

<?xml version="1.0" encoding="UTF-8"?>
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

#### 24.1.15 Stop

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6" 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>

```

24.1.16 Suspend

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

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

  <xsd:element name="Suspend">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="connection" type="csta:ConnectionID"/>
        <xsd:element name="message" type="csta:MessageID" minOccurs="0"/>
        <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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

</xsd:schema>
```

24.1.17 Synthesize message

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

## 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/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-bookmark-reached-event</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="event-cause.xsd"/>
  <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
  <xsd:include schemaLocation="device-feature-types.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="call-control.xsd"/>
  <xsd:include schemaLocation="status-reporting.xsd"/>

  <xsd:element name="BookmarkReachedEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="overConnection" type="csta:ConnectionID"/>
        <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
        <xsd:element name="bookmark" type="xsd:string"/>
        <xsd:element ref="csta:cause" minOccurs="0"/>
        <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

### 24.2.2 Completed

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

### 24.2.3 DTMF detected

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-dtmf-detected-event</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="event-cause.xsd"/>
  <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
  <xsd:include schemaLocation="device-feature-types.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="call-control.xsd"/>
  <xsd:include schemaLocation="status-reporting.xsd"/>

  <xsd:element name="DtmfDetectedEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="overConnection" type="csta:ConnectionID"/>
        <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
        <xsd:element name="dtmfChar" type="xsd:unsignedByte"/>
        <xsd:element name="dtmfChar">
          <xsd:simpleType>
            <xsd:restriction base="xsd:string">
              <xsd:length value="1"/>
            </xsd:restriction>
          </xsd:simpleType>
        </xsd:element>
        <xsd:element ref="csta:cause" minOccurs="0"/>
        <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

### 24.2.4 Emptied

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

#### 24.2.5 Interruption detected

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-interruption-detected-event</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="event-cause.xsd"/>
  <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
  <xsd:include schemaLocation="device-feature-types.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="call-control.xsd"/>
  <xsd:include schemaLocation="status-reporting.xsd"/>

  <xsd:element name="InterruptionDetectedEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="overConnection" type="csta:ConnectionID"/>
        <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
        <xsd:element ref="csta:cause" minOccurs="0"/>
        <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

#### 24.2.6 Not recognized

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"

```

```

xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

<xsd:annotation>
  <xsd:documentation>CSTA-not-recognized-event</xsd:documentation>
</xsd:annotation>

<xsd:include schemaLocation="event-cause.xsd"/>
<xsd:include schemaLocation="call-connection-identifiers.xsd"/>
<xsd:include schemaLocation="device-feature-types.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>
<xsd:include schemaLocation="call-control.xsd"/>
<xsd:include schemaLocation="status-reporting.xsd"/>

<xsd:element name="NotRecognizedEvent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:monitorCrossRefID"/>
      <xsd:element name="overConnection" type="csta:ConnectionID"/>
      <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
      <xsd:element name="result" type="xsd:string" minOccurs="0"/>
      <xsd:element ref="csta:cause" minOccurs="0"/>
      <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
</xsd:schema>

```

**24.2.7 Play**

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

### 24.2.8 Recognized

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

```
<xsd:annotation>
  <xsd:documentation>CSTA-recognized-event</xsd:documentation>
</xsd:annotation>
```

```
<xsd:include schemaLocation="event-cause.xsd"/>
<xsd:include schemaLocation="call-connection-identifiers.xsd"/>
<xsd:include schemaLocation="device-feature-types.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>
<xsd:include schemaLocation="call-control.xsd"/>
<xsd:include schemaLocation="status-reporting.xsd"/>
```

```
<xsd:element name="RecognizedEvent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:monitorCrossRefID"/>
      <xsd:element name="overConnection" type="csta:ConnectionID"/>
      <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
      <xsd:element name="result" type="xsd:string"/>
      <xsd:element name="text" type="xsd:string"/>
      <xsd:element ref="csta:cause" minOccurs="0"/>
      <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

```
</xsd:schema>
```

### 24.2.9 Record

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:sequence>
  </xsd:complexType>
</xsd:element>
```

```

<xsd:element name="currentPosition" type="xsd:long" minOccurs="0"/>
<xsd:element ref="csta:cause" minOccurs="0"/>
<xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
<xsd:element ref="csta:extensions" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>
</xsd:element>

```

```
</xsd:schema>
```

#### 24.2.10 Review

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

```

```

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

```

```

<xsd:include schemaLocation="event-cause.xsd"/>
<xsd:include schemaLocation="call-connection-identifiers.xsd"/>
<xsd:include schemaLocation="device-feature-types.xsd"/>
<xsd:include schemaLocation="extension-types.xsd"/>
<xsd:include schemaLocation="call-control.xsd"/>
<xsd:include schemaLocation="status-reporting.xsd"/>

```

```

<xsd:element name="ReviewEvent">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:monitorCrossRefID"/>
      <xsd:element name="connection" type="csta:ConnectionID"/>
      <xsd:element name="message" type="csta:MessageID" minOccurs="0"/>
      <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
      <xsd:element name="length" type="xsd:long" minOccurs="0"/>
      <xsd:element name="currentPosition" type="xsd:long" minOccurs="0"/>
      <xsd:element ref="csta:cause" minOccurs="0"/>
      <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

```

```
</xsd:schema>
```

#### 24.2.11 Silence timeout expired

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

### 24.2.12 Speech detected

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-speech-detected-event</xsd:documentation>
  </xsd:annotation>

  <xsd:include schemaLocation="event-cause.xsd"/>
  <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
  <xsd:include schemaLocation="device-feature-types.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="call-control.xsd"/>
  <xsd:include schemaLocation="status-reporting.xsd"/>

  <xsd:element name="SpeechDetectedEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="overConnection" type="csta:ConnectionID"/>
        <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
        <xsd:element ref="csta:cause" minOccurs="0"/>
        <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

### 24.2.13 Started

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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"/>

```

## ISO/IEC 18056:2012 (E)

```
<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>
```

### 24.2.14 Stop

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

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

  <xsd:include schemaLocation="event-cause.xsd"/>
  <xsd:include schemaLocation="call-connection-identifiers.xsd"/>
  <xsd:include schemaLocation="device-feature-types.xsd"/>
  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="call-control.xsd"/>
  <xsd:include schemaLocation="status-reporting.xsd"/>

  <xsd:element name="StopEvent">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:monitorCrossRefID"/>
        <xsd:element name="connection" type="csta:ConnectionID"/>
        <xsd:element name="message" type="csta:MessageID" minOccurs="0"/>
        <xsd:element name="resource" type="csta:ResourceID" minOccurs="0"/>
        <xsd:element name="length" type="xsd:long" minOccurs="0"/>
        <xsd:element name="currentPosition" type="xsd:long" minOccurs="0"/>
        <xsd:element ref="csta:cause" minOccurs="0"/>
        <xsd:element ref="csta:servicesPermitted" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

### 24.2.15 Suspend play

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>
```

#### 24.2.16 Suspend record

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

## 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

#### 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/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

## 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/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

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

  <xsd:include schemaLocation="extension-types.xsd"/>
  <xsd:include schemaLocation="call-detail-record.xsd"/>

  <xsd:element name="CDRNotification">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:cdrCrossRefID"/>
        <xsd:element name="cdrReason" type="csta:CDRReason" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

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

</xsd:schema>
```

#### 25.1.2 Call detail records report

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

```

    </xsd:restriction>
  </xsd:simpleType>
</xsd:element>
<xsd:element name="cdrInfo" type="csta:CDRInfo"/>
<xsd:element name="lastStoredCDRRReportSent" type="xsd:boolean" minOccurs="0"/>
<xsd:element ref="csta:extensions" minOccurs="0"/>
</xsd:sequence>
</xsd:complexType>
</xsd:element>

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

</xsd:schema>

```

### 25.1.3 Send stored call detail records

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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="SendStoredCDRRResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>

```

### 25.1.4 Start call detail records transmission

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

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

```

```

</xsd:annotation>

<xsd:include schemaLocation="extension-types.xsd"/>
<xsd:include schemaLocation="call-detail-record.xsd"/>

<xsd:element name="StartCDRTransmission">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="transferMode" type="csta:CDRTransferMode"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

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

</xsd:schema>

```

### 25.1.5 Stop call detail records transmission

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

## 26 Location services

### 26.1 Services

#### 26.1.1 Get location information

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-get-location-information</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="GetLocationInformation">
    <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="GetLocationInformationResponse">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="locationInfo" type="csta:LocationInfo"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

</xsd:schema>
```

#### 26.1.2 Set location information

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-set-location-information</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="SetLocationInformation">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element name="device" type="csta:DeviceID"/>
        <xsd:element name="locationInfo" type="csta:LocationInfo" minOccurs="0"/>
        <xsd:element name="replaceMode" type="csta:ReplaceMode" minOccurs="0"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
```

```

</xsd:element>

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

<xsd:simpleType name="ReplaceMode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="replaceAll"/>
    <xsd:enumeration value="replacePortion"/>
  </xsd:restriction>
</xsd:simpleType>

</xsd:schema>

```

### 26.1.3 Location tracking session resumed

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-location-tracking-session-resumed</xsd:documentation>
  </xsd:annotation>

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

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

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

</xsd:schema>

```

### 26.1.4 Location tracking session suspended

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-location-tracking-session-suspended</xsd:documentation>

```

```

</xsd:annotation>

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

<xsd:element name="LocationTrackingSessionSuspended">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:locCrossRefId"/>
      <xsd:element ref="csta:locReason" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
      <xsd:element name="locationInfoList" type="csta:LocationInfoList" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

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

</xsd:schema>

```

### 26.1.5 Resume location tracking session

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-resume-location-tracking-session</xsd:documentation>
  </xsd:annotation>

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

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

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

</xsd:schema>

```

### 26.1.6 Location information report

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"

```

```
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">
```

```
<xsd:annotation>
  <xsd:documentation>CSTA-location-information-report</xsd:documentation>
</xsd:annotation>
```

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

```
<xsd:element name="LocationInformationReport">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:locCrossRefId"/>
      <xsd:element name="device" type="csta:DeviceID"/>
      <xsd:element name="locationInfoList" type="csta:LocationInfoList" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

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

```
</xsd:schema>
```

### 26.1.7 Start location tracking session

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
attributeFormDefault="unqualified">
```

```
<xsd:annotation>
  <xsd:documentation>CSTA-start-location-tracking-session</xsd:documentation>
</xsd:annotation>
```

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

```
<xsd:element name="StartLocationTrackingSession">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="locDevice" type="csta:DeviceID"/>
      <xsd:element name="collectionType" type="csta:CollectionType" minOccurs="0"/>
      <xsd:element name="collectionInterval" type="xsd:integer" minOccurs="0"/>
      <xsd:element name="maxCollections" type="xsd:integer" minOccurs="0"/>
      <xsd:element name="collectionFilter" type="csta:CollectionFilter" minOccurs="0"/>
      <xsd:element name="reportingType" type="csta:ReportingType" minOccurs="0"/>
      <xsd:element name="reportingInterval" type="xsd:integer" minOccurs="0"/>
      <xsd:element name="reportingCount" type="xsd:integer" minOccurs="0"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

```
<xsd:element name="StartLocationTrackingSessionResponse">
  <xsd:complexType>
    <xsd:sequence>
```

```

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

<xsd:simpleType name="CollectionType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="periodic"/>
    <xsd:enumeration value="updatesOnly"/>
    <xsd:enumeration value="periodicWithUpdates"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:complexType name="CollectionFilter">
  <xsd:sequence>
    <xsd:element name="horizontalMovement" type="xsd:integer" minOccurs="0"/>
    <xsd:element name="verticalMovement" type="xsd:integer" minOccurs="0"/>
    <xsd:element name="civicAddressChange" type="xsd:string" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>

<xsd:simpleType name="ReportingType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="immediate"/>
    <xsd:enumeration value="periodic"/>
    <xsd:enumeration value="count"/>
  </xsd:restriction>
</xsd:simpleType>

<xsd:simpleType name="pdfProfile">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="pdfProfileOption1"/>
    <xsd:enumeration value="pdfProfileOption2"/>
  </xsd:restriction>
</xsd:simpleType>
</xsd:schema>

```

### 26.1.8 Stop location tracking session

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6" elementFormDefault="qualified"
  attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-stop-location-tracking-session</xsd:documentation>
  </xsd:annotation>

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

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

  <xsd:element name="StopLocationTrackingSessionResponse">

```

```

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

</xsd:schema>

```

### 26.1.9 Suspend location tracking session

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-suspend-location-tracking-session</xsd:documentation>
  </xsd:annotation>

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

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

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

</xsd:schema>

```

### 26.1.10 Get location tracking capabilities

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>CSTA-get-location-tracking-capabilites</xsd:documentation>
  </xsd:annotation>

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

  <xsd:element name="GetLocationTrackingCapabilities">
    <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="GetLocationTrackingCapabilitiesResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="collectionTypeDefault">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:enumeration value="periodic"/>
            <xsd:enumeration value="updatesOnly"/>
            <xsd:enumeration value="periodicWithUpdates"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <xsd:element name="collectionTypePeriodic" type="xsd:boolean"/>
      <xsd:element name="collectionTypeUpdatesOnly" type="xsd:boolean"/>
      <xsd:element name="collectionTypePeriodicWithUpdates" type="xsd:boolean"/>
      <xsd:element name="collectionIntervalDefault" type="xsd:integer"/>
      <xsd:element name="collectionIntervalMin" type="xsd:integer"/>
      <xsd:element name="collectionIntervalMax" type="xsd:integer"/>
      <xsd:element name="maxCollectionsDefault" type="xsd:integer"/>
      <xsd:element name="maxCollectionsMin" type="xsd:integer"/>
      <xsd:element name="maxCollectionsMax" type="xsd:integer"/>
      <xsd:element name="collectionfilterDefault">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:enumeration value="horizontalMovement"/>
            <xsd:enumeration value="verticalMovement"/>
            <xsd:enumeration value="civicAddressChange"/>
            <xsd:enumeration value="none"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <xsd:element name="collectionFilterHorizontal" type="xsd:boolean"/>
      <xsd:element name="collectionFilterVertical" type="xsd:boolean"/>
      <xsd:element name="collectionFilterCivicAddress" type="xsd:boolean"/>
      <xsd:element name="reportingTypeDefault">
        <xsd:simpleType>
          <xsd:restriction base="xsd:string">
            <xsd:enumeration value="immediate"/>
            <xsd:enumeration value="periodic"/>
            <xsd:enumeration value="count"/>
          </xsd:restriction>
        </xsd:simpleType>
      </xsd:element>
      <xsd:element name="reportingTypeImmediate" type="xsd:boolean"/>
      <xsd:element name="reportingTypePeriodic" type="xsd:boolean"/>
      <xsd:element name="reportingTypeCount" type="xsd:boolean"/>
      <xsd:element name="reportingIntervalDefault" type="xsd:integer"/>
      <xsd:element name="reportingIntervalMin" type="xsd:integer"/>
      <xsd:element name="reportingIntervalMax" type="xsd:integer"/>
      <xsd:element name="reportingCountDefault" type="xsd:integer"/>
      <xsd:element name="reportingCountMin" type="xsd:integer"/>
      <xsd:element name="reportingCountMax" type="xsd:integer"/>
      <xsd:element name="supportsSuspendingTracking" type="xsd:boolean"/>
      <xsd:element name="supportsResumingTracking" type="xsd:boolean"/>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
</xsd:schema>

```

### 26.1.11 Get location tracking sessions

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"

```

xmlns:xsd="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified" attributeFormDefault="unqualified">

```

<xsd:annotation>
  <xsd:documentation>CSTA-get-location-tracking-sessions</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="GetLocationTrackingSessions">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>

<xsd:element name="GetLocationTrackingSessionsResponse">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element name="crossRefIDorRegistrationData">
        <xsd:complexType>
          <xsd:choice>
            <xsd:element name="serviceCrossRefID" type="csta:ServiceCrossRefID"/>
            <xsd:element name="locationSessionInfoList" type="csta:LocationSessionInfoList"/>
          </xsd:choice>
        </xsd:complexType>
      </xsd:element>
      <xsd:element ref="csta:extensions" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
</xsd:schema>

```

**26.1.12 Location Session Info**

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

```

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
elementFormDefault="qualified" attributeFormDefault="unqualified">

  <xsd:annotation>
    <xsd:documentation>location-session-info</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="LocationSessionInfo">
    <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="LocationSessionInfoList" type="csta:LocationSessionInfoList"/>
        <xsd:element ref="csta:extensions" minOccurs="0"/>
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>
</xsd:schema>

```

## 27 Vendor specific extensions services and events

### 27.1 Registration services

#### 27.1.1 Escape register

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

#### 27.1.2 Escape register abort

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

## ISO/IEC 18056:2012 (E)

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

```
</xsd:schema>
```

### 27.1.3 Escape register cancel

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>
```

## 27.2 Services

### 27.2.1 Escape

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

```
<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
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>

```

## 27.2.2 Private data version selection

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  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>

```

## 27.3 Events

### 27.3.1 Private event

```

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

<xsd:schema targetNamespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"

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

```

## ISO/IEC 18056:2012 (E)

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

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

</xsd:schema>
```

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## Annex A (normative)

### Protocol Implementation Conformance Statement (PICS) Proforma

#### A.1 Introduction

The Protocol Implementation Conformance Statement (PICS) is a statement of which capabilities and options of the protocol have been implemented. The PICS can have a number of uses, including use:

- by the 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 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 , “PICS proforma”.

#### A.3 Instructions for completing the PICS proforma

The first part of the PICS proforma, the Implementation Identification (, “Implementation identification”, on page 1), 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, , “PICS proforma”, is a fixed format questionnaire divided into subclauses each containing a group of individual items. These items represent options specified in ISO/IEC 18051 (mandatory items are not represented). Answers to the questionnaire items are to be provided in the appropriate columns by marking an answer to indicate a restricted choice (Yes or No), and optionally clarifying this response with a comment.

Where a service or event is not supported, as indicated by entering No for the first entry in a table, any parameters or dependent service components in the rest of that table are not applicable, it is then not necessary to complete items in any subsidiary entries in the table.

Note that ISO/IEC 18051 should be used as a reference when completing the PICS proforma.

**A.4 Implementation identification**

<b>Supplier</b>	
Protocol Version	XML Schema Definitions (XSD) for CSTA Phase III, 6 <sup>th</sup> Edition
Date of Statement	
Contact point for queries about the PICS	
Implementation Name(s) and Version(s)	
Other information necessary for full identification - e.g. Name(s) and Version(s) for machines and/or operating systems; system name(s)	

The first five items are required for all implementations; other information may be completed as appropriate in meeting the requirement for full identification.

The terms Name and Version should be interpreted appropriately to correspond with a supplier's terminology (e.g. Type, Series, Model).

**A.5 PICS proforma**

**A.5.1 CSTA Profiles**

CSTA Profiles group together services and events, where each profile specifies a set of services and events that are supported by the implementation. Switching Function implementors shall indicate support for one or more profiles in the table below. Specifying support for a profile shall be accompanied by specifying support for the services and events encompassed by the profile, as well as any other services and events that the implementation supports.

Refer to ISO/IEC 18051 for a description of the CSTA Services and Events that must be supported for a specific CSTA profile.

Description: Profile(s) Supported	Supported ?		Comments
	Yes	No	
<b>Basic Telephony Profile</b>			
<b>Routeing Profile</b>			
<b>Level 1a Voice Browser Profile</b>			
<b>Level 1b Voice Browser Profile</b>			

Description: Profile(s) Supported	Supported ?		Comments
	Yes	No	
Level 2 Voice Browser Profile			
Minimal uaCSTA Call Control Profile			
Basic uaCSTA Call Control Profile			
Advanced uaCSTA Call Control Profile			
Conferencing uaCSTA Call Control Profile			
Basic uaCSTA Device Feature Profile			
Speaker uaCSTA Device Feature Profile			
Basic Speech Service Profile			
Advanced Speech Service Profile			

## A.5.2 Capability Exchange Services

### A.5.2.1 Get CSTA Features

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get CSTA Features</b>			
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	
<b>Get Logical Device Information</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
groupDeviceAttributes			
namedDeviceTypes			
shortFormDeviceID			
agentLogOnModels			
appearanceList			
otherPhysicalDeviceList			
miscMonitorCaps			
associatedGroupList			
maxCallbacks			
maxAutoAnswerRings			
maxActiveCalls			
maxHeldCalls			
maxFwdSettings			
maxDevicesInConf			
transAndConfSetup			
deviceOnDeviceMonitorFilter			
deviceOnConnectionMonitorFilter			
callOnDeviceMonitorFilter			
callOnConnectionMonitorFilter			
mediaClassSupport			
mediaServiceCapsList			
connectionRateList			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
delayToleranceList			
numberOfChannels			
maxChannelBind			
routeingServList			
logDevServList			
logDevEvtsList			
deviceMaintEvtsList			
security			
privateData			

#### A.5.2.3 Get Physical Device Information

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Physical Device Information</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
groupDeviceAttributes			
namedDeviceTypes			
otherLogicalDeviceList			
deviceModelName			
deviceOnDeviceMonitorFilter			
deviceOnConnectionMonitorFilter			
callOnDeviceMonitorFilter			
callOnConnectionMonitorFilter			
maxDisplays			
maxButtons			
maxLamps			
maxRingPatterns			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
physDevServList			
physDevEvtsList			
security			
privateData			

**A.5.2.4 Get Switching Function Capabilities**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Switching Function Capabilities</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
callCharacteristicsSupported			
mediaClassSupport			
numberOfChannels			
maxChannelBind			
miscMediaCallCharacteristics			
connectionRateList			
delayToleranceRateList			
pauseTime			
currentTime			
messageSeqNumbers			
timeStampMode			
securityMode			
securityFormat			
privateDataFormat			
transAndConfSetup			
deviceOnDeviceMonitorFilter			
deviceOnConnectionMonitorFilter			
callOnDeviceMonitorFilter			
callOnConnectionMonitorFilter			
miscMonitorCaps			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
correlatorDataSupported			
dynamicFeatureSupported			
callLinkageOptionsSupported			
acdModels			
agentLogonModels			
agentStateModels			
maxLengthParametersContinued			
routingServList			
logDevServList			
logDevEvtsList			
physDevServList			
physDevEvtsList			
deviceMaintEvtsList			
statusReportingServList			
capExchangeServList			
cdrServList			
vendorSpecificServList			
vendorSpecificEvtsList			
privateDataVersionList			
systemStatusTimer			
simpleThreshold			
filterThreshold			
mediaServiceCapsList			
maxDeviceHistoryEntries			
maxDestinationDevicesForDeflect			
security			
privateData			

A.5.2.5 Get Switching Function Devices

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Switching Function Devices</b>			
Service Request optional parameters			
requestedDeviceID			
requestedDeviceCategory			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.2.6 Switching Function Devices

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Switching Function Devices</b>			
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	
<b>Change System Status Filter</b>			
Service Request optional parameters			
security			
privateData			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Service Response optional parameters</b>			
security			
privateData			

### A.5.3.2 System Register

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>System Register</b>			
Service Request optional parameters			
requestedStatusFilter			
security			
privateData			
<b>Service Response optional parameters</b>			
actualStatusFilter			
security			
privateData			

### A.5.3.3 System Register Abort

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>System Register Abort</b>			
Service Request optional parameters			
security			
privateData			

A.5.3.4 System Register Cancel

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>System Register Cancel</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.3.5 Request System Status

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Request System Status</b>			
Service Request optional parameters			
sysStatRegisterID			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.3.6 System Status

The System Status service shall be supported as part of the Application Association Initialisation as specified in Clause 7 of ISO/IEC 18051.

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>System Status</b>			
Service Request optional parameters			
sysStatRegisterID			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

#### A.5.3.7 Switching Function Capabilities Changed

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Switching Function Capabilities Changed</b>			
Service Request optional parameters			
sysStatRegisterID			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

#### A.5.3.8 Switching Function Devices Changed

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Switching Function Devices Changed</b>			
Service Request optional parameters			
sysStatRegisterID			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.3.9 Get Registrations

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Registrations</b>			
Service Request optional parameters			
requestedRegTypes			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.3.10 Registration Info

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Registration Info</b>			
Service Request optional parameters			
segmentID			
security			
privateData			

A.5.4 Monitoring Services

A.5.4.1 Change Monitor Filter

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Change Monitor Filter</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
actualFilterList			
security			
privateData			

#### A.5.4.2 Monitor Start

This service must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Monitor Start</b>			
Service Request optional parameters			
requestedMonitorFilter			
monitorType			
requestedMonitorMediaClass			
security			
privateData			
<b>Service Response optional parameters</b>			
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	
<b>Monitor Stop</b>			
Service Request optional parameters			
security			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.4.4 Get Monitors**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Monitors</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.4.5 Monitor Info**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Monitor Info</b>			
Service Request optional parameters			
segmentID			
security			
privateData			

## A.5.5 Snapshot Services

### A.5.5.1 Snapshot Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Snapshot Call</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
serviceCrossRefID			
snapshotData			
mediaCallCharacteristics			
callCharacteristics			
callingDevice			
calledDevice			
associatedCallingDevice			
associatedCalledDevice			
correlatorData			
subjectOfCall			
messageInfo			
languagePreferences			
deviceHistory			
locationInfoList			
security			
privateData			

### A.5.5.2 Snapshot Device

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Snapshot Device</b>			
Service Request optional parameters			
security			
privateData			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Service Response optional parameters</b>			
serviceCrossRefID			
snapshotData			
security			
privateData			

**A.5.5.3 Snapshot CallData**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Snapshot CallData</b>			
Service Request optional parameters			
segmentID			
security			
privateData			

**A.5.5.4 Snapshot DeviceData**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Snapshot DeviceData</b>			
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	
<b>Accept Call</b>			
Service Request optional parameters			
correlatorData			
userData			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.6.2 Alternate Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Alternate Call</b>			
Service Request optional parameters			
connectionReservation			
consultOptions			
security			
privateData			
<b>Service Response optional parameters</b>			
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	
<b>Answer Call</b>			
Service Request optional parameters			
correlatorData			
userData			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.6.4 Call Back Call-Related**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Call Back Call-Related</b>			
Service Request optional parameters			
callCharateristics			
security			
subjectOfCall			
languagePreferences			
privateData			
<b>Service Response optional parameters</b>			
targetDevice			
security			
privateData			

## A.5.6.5 Call Back Message Call-Related

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Call Back Message Call-Related</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
targetDevice			
security			
privateData			

## A.5.6.6 Camp On Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Camp On Call</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.6.7 Clear Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Clear Call</b>			
Service Request optional parameters			
userData			
reason			
security			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
privateData			
<b>Service Response optional parameters</b>			
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	
<b>Clear Connection</b>			
Service Request optional parameters			
correlatorData			
userData			
reason			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.6.9 Conference Call**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Conference Call</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
connections			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
conferenceCallInfo			
callLinkageDataList			
security			
privateData			

#### A.5.6.10 Consultation Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Consultation Call</b>			
Service Request optional parameters			
connectionReservation			
accountCode			
authCode			
correlatorData			
userData			
callCharacteristics			
mediaCallCharacteristics			
callingConnectionInfo			
consultOptions			
subjectOfCall			
languagePreferences			
security			
privateData			
<b>Service Response optional parameters</b>			
mediaCallCharacteristics			
initiatedCallInfo			
callLinkageData			
security			
privateData			

A.5.6.11 Deflect Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Deflect Call</b>			
Service Request optional parameters			
correlatorData			
userData			
subjectOfCall			
languagePreferences			
reason			
callCharacteristics			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.6.12 Dial Digits

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Dial Digits</b>			
Service Request optional parameters			
correlatorData			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.6.13 Directed Pickup Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Directed Pickup Call</b>			
Service Request optional parameters			
correlatorData			
userData			
security			
privateData			
<b>Service Response optional parameters</b>			
pickedCall			
pickedCallInfo			
callLinkageData			
security			
privateData			

## A.5.6.14 Group Pickup Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Group Pickup Call</b>			
Service Request optional parameters			
pickGroup			
correlatorData			
userData			
security			
privateData			
<b>Service Response optional parameters</b>			
pickedCall			
pickedCallInfo			
callLinkageData			
security			
privateData			

A.5.6.15 Hold Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Hold Call</b>			
Service Request optional parameters			
connectionReservation			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.6.16 Intrude Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Intrude Call</b>			
Service Request optional parameters			
participationType			
userData			
security			
privateData			
<b>Service Response optional parameters</b>			
conferencedCall			
conferencedCallInfo			
callLinkageDataList			
security			
privateData			

## A.5.6.17 Join Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Join Call</b>			
Service Request optional parameters			
autoOriginate			
participationType			
accountCode			
authCode			
correlatorData			
userData			
security			
privateData			
<b>Service Response optional parameters</b>			
conferencedCallInfo			
callLinkageDataList			
security			
privateData			

## A.5.6.18 Make Call

This service must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Make Call</b>			
Service Request optional parameters			
accountCode			
authCode			
autoOriginate			
correlatorData			
userData			
callCharacteristics			
mediaCallCharacteristics			
callingConnectionInfo			
subjectOfCall			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
languagePreferences			
reason			
security			
privateData			
<b>Service Response optional parameters</b>			
mediaCallCharacteristics			
initiatedCallInfo			
callLinkageData			
security			
privateData			

**A.5.6.19 Make Connection**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Make Connection</b>			
Service Request optional parameters			
accountCode			
authCode			
autoOriginate			
correlatorData			
callCharacteristics			
medaCallCharacteristics			
connectionInfo			
subjectOfCall			
languagePreferences			
reason			
maxDevices			
startTime			
duration			
security			
privateData			
<b>Service Response optional parameters</b>			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
mediaCallCharacteristics			
initiatedCallInfo			
callLinkageData			
security			
privateData			

#### A.5.6.20 Make Predictive Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Make Predictive Call</b>			
Service Request optional parameters			
signallingDetection			
destinationDetection			
defaultAction			
accountCode			
authCode			
autoOriginate			
alertTime			
correlatorData			
callCharacteristics			
subjectOfCall			
languagePreferences			
userData			
security			
privateData			
<b>Service Response optional parameters</b>			
initiatedCallInfo			
callLinkageData			
security			
privateData			

A.5.6.21 Park Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Park Call</b>			
Service Request optional parameters			
correlatorData			
subjectOfCall			
languagePreferences			
security			
privateData			
<b>Service Response optional parameters</b>			
parkedTo			
callLinkageData			
security			
privateData			

A.5.6.22 Reconnect Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Reconnect Call</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.6.23 Retrieve Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Retrieve Call</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.6.24 Send Message

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Send Message</b>			
Service Request optional parameters			
accountCode			
authCode			
correlatorData			
callCharacteristics			
mediaCallCharacteristics			
subjectOfCall			
languagePreferences			
security			
privateData			
<b>Service Response optional parameters</b>			
listOfCallLinkageData			
security			
privateData			

A.5.6.25 Single Step Conference Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Single Step Conference Call</b>			
Service Request optional parameters			
participationType			
accountCode			
authCode			
correlatorData			
userData			
subjectOfCall			
languagePreferences			
security			
privateData			
<b>Service Response optional parameters</b>			
conferencedCallInfo			
callLinkageDataList			
security			
privateData			

A.5.6.26 Single Step Transfer Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Single Step Transfer Call</b>			
Service Request optional parameters			
accountCode			
authCode			
correlatorData			
userData			
subjectOfCall			
languagePreferences			
reason			
callCharacteristics			
security			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
privateData			
<b>Service Response optional parameters</b>			
connections			
transferredCallInfo			
callLinkageDataList			
security			
privateData			

#### A.5.6.27 Transfer Call

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Transfer Call</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
connections			
transferredCallInfo			
callLinkageDataList			
security			
privateData			

#### A.5.7 Call Control Events

##### A.5.7.1 Bridged

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Bridged</b>			
localConnectionInfo			
correlatorData			

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
userData			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			
bridgedConnectionInfo			
callLinkageData			
languagePreferences			
locationInfoList			
security			
privateData			

**A.5.7.2 Call Cleared**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Call Cleared</b>			
correlatorData			
userData			
mediaCallCharacteristics			
callCharacteristics			
callLinkageData			
languagePreferences			
locationInfoList			
security			
privateData			

## A.5.7.3 Conferenced

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Conferenced</b>			
secondaryOldCall			
localConnectionInfo			
correlatorData			
userData			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			
languagePreferences			
deviceHistory			
locationInfoList			
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	
<b>Connection Cleared</b>			
localConnectionInfo			
correlatorData			
userData			
chargingInfo			
servicesPermitted			
mediaCallCharateristics			
callCharacteristics			
droppedConnectionInfo			
callLinkageData			
languagePreferences			

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
deviceHistory			
locationInfoList			
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	
<b>Delivered</b>			
originatingNIDConnection			
localConnectionInfo			
correlatorData			
userData			
servicesPermitted			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
associatedCalledDevice			
mediaCallCharacteristics			
callCharacteristics			
connectionInfo			
subjectOfCall			
messageInfo			
languagePreferences			
deviceHistory			
locationInfoList			
security			
privateData			

## A.5.7.6 Digits Dialed

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Digits Dialed</b>			
localConnectionInfo			
correlatorData			
servicesPermitted			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
associatedCalledDevice			
diallingConnectionInfo			
callCharacteristics			
languagePreferences			
locationInfoList			
security			
privateData			

## A.5.7.7 Diverted

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Diverted</b>			
callingDevice			
calledDevice			
localConnectionInfo			
correlatorData			
userData			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			
connectionInfo			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
associatedCalledDevice			
subjectOfCall			
messageInfo			
languagePreferences			
deviceHistory			
locationInfoList			
security			
privateData			

**A.5.7.8 Established**

This event must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Established</b>			
originatingNIDConnection			
localConnectionInfo			
correlatorData			
userData			
servicesPermitted			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
associatedCalledDevice			
mediaCallCharacteristics			
callCharacteristics			
establishConnectionInfo			
subjectOfCall			
messageInfo			
languagePreferences			
deviceHistory			
locationInfoList			
security			
privateData			

**A.5.7.9 Failed**

This event must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Failed</b>			
originatingNIDConnection			
localConnectionInfo			
correlatorData			
userData			
servicesPermitted			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
associatedCalledDevice			
mediaCallCharacteristics			
callCharacteristics			
failedConnectionInfo			
subjectOfCall			
messageInfo			
languagePreferences			
deviceHistory			
locationInfoList			
security			
privateData			

**A.5.7.10 Held**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Held</b>			
localConnectionInfo			
correlatorData			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
heldConnectionInfo			
callLinkageData			
languagePreferences			
locationInfoList			
security			
privateData			

**A.5.7.11 Network Capabilities Changed**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Network Capabilities Changed</b>			
localConnectionInfo			
correlatorData			
userData			
networkCapability			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			
outboundConnectionInfo			
languagePreferences			
locationInfoList			
security			
privateData			

**A.5.7.12 Network Reached**

This event must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Network Reached</b>			
originatingNIDConnection			
localConnectionInfo			
correlatorData			
userData			
networkCapability			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			
outboundConnectionInfo			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
languagePreferences			
deviceHistory			
locationInfoList			
security			
privateData			

**A.5.7.13 Offered**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Offered</b>			
originatingNIDConnection			
localConnectionInfo			
correlatorData			
userData			
servicesPermitted			
networkCallingDevice			
networkCalledDevice			

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
associatedCallingDevice			
associatedCalledDevice			
mediaCallCharacteristics			
callCharacteristics			
offeredConnectionInfo			
subjectOfCall			
messageInfo			
languagePreferences			
deviceHistory			
locationInfoList			
security			
privateData			

**A.5.7.14 Originated**

This event must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Originated</b>			
originatingDevice			
localConnectionInfo			
correlatorData			
servicesPermitted			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
associatedCalledDevice			
mediaCallCharacteristics			
callCharacteristics			
originatedConnectionInfo			
subjectOfCall			
messageInfo			
languagePreferences			

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

## A.5.7.15 Queued

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Queued</b>			
numberQueued			
callsInFront			
localConnectionInfo			
correlatorData			
userData			
servicesPermitted			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
associatedCalledDevice			
mediaCallCharacteristics			
callCharacteristics			
queuedConnectionInfo			
subjectOfCall			
messageInfo			
languagePreferences			
deviceHistory			
locationInfoList			
security			
privateData			

**A.5.7.16 Retrieved**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Retrieved</b>			
localConnectionInfo			
correlatorData			
servicePermitted			
mediaCallCharacteristics			
callCharacteristics			
retrievedConnectionInfo			
callLinkageData			
languagePreferences			
locationInfoList			
security			
privateData			

**A.5.7.17 Service Initiated**

This event must be supported if the Basic Telephony profile is supported (A.5.1).

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Service Initiated</b>			
localConnectionInfo			
correlatorData			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			
initiatedConnectionInfo			
networkCallingDevice			
networkCalledDevice			
associatedCallingDevice			
subjectOfCall			
messageInfo			
languagePreferences			
calledDevice			

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

#### A.5.7.18 Transferred

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Transferred</b>			
secondaryOldCall			
localConnectionInfo			
correlatorData			
userData			
chargingInfo			
servicesPermitted			
mediaCallCharacteristics			
callCharacteristics			
languagePreferences			
deviceHistory			
locationInfoList			
security			
privateData			

#### A.5.8 Call Associated Feature Services

##### A.5.8.1 Associate Data

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Associate Data</b>			
Service Request optional parameters			
accountCode			
authCode			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
correlatorData			
callQualifyingData			
callCharacteristics			
subjectOfCall			
languagePreferences			
deviceInfo			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.8.2 Cancel Telephony Tones**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Cancel Telephony Tones</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.8.3 Change Connection Information**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Change Connection Information</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.8.4 Generate Digits**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Generate Digits</b>			
Service Request optional parameters			
digitMode			
toneDuration			
pulseRate			
pauseDuration			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.8.5 Generate Telephony Tones

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Generate Telephony Tones</b>			
Service Request optional parameters			
toneDuration			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.8.6 Send User Information

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Send User Information</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.9 Call Associated Feature Events

A.5.9.1 Call Information

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Call Information</b>			
callingDevice			
accountInfo			

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
authorisationCode			
correlatorData			
servicesPermitted			
userData			
callQualifyingData			
connectionInfo			
callCharacteristics			
subjectOfCall			
languagePreferences			
deviceInfo			
security			
privateData			

#### A.5.9.2 Charging

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Charging</b>			
cause			
security			
privateData			

#### A.5.9.3 Digits Generated

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Digits Generated</b>			
digitDurationList			
pauseDurationList			
connectionInfo			
security			
privateData			

A.5.9.4 Telephony Tones Generated

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Telephony Tones Generated</b>			
toneGenerated			
toneFrequency			
toneDuration			
pauseDuration			
connectionInfo			
security			
privateData			

A.5.9.5 Service Completion Failure

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Service Completion Failure</b>			
secondaryCall			
otherDevicesPrimaryCallList			
otherDevicesSecondaryCallList			
mediaCallCharacteristics			
security			
privateData			

A.5.10 Media Attachment Services

A.5.10.1 Attach Media Service

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Attach Media Service</b>			
Service Request optional parameters			
mediaServiceVersion			
mediaServiceInstanceID			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
requestedConnectionState			
security			
privateData			
<b>Service Response optional parameters</b>			
mediaConnection			
mediaDevice			
mediaServiceInstanceID			
mediaConnectionInfo			
callLinkageData			
security			
privateData			

#### A.5.10.2 Detach Media Service

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Detach Media Service</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.11 Media Attachment Events**

**A.5.11.1 Media Attached**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Media Attached</b>			
mediaServiceVersion			
mediaServiceInstanceID			
mediaStreamID			
mediaCallCharacteristics			
callCharacteristics			
localConnectionInfo			
mediaConnectionInfo			
security			
privateData			

**A.5.11.2 Media Detached**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Media Detached</b>			
mediaServiceVersion			
mediaServiceInstanceID			
mediaStreamID			
mediaCallCharacteristics			
callCharacteristics			
localConnectionInfo			
mediaConnectionInfo			
security			
privateData			

## A.5.12 Routing Services

### A.5.12.1 Route Register

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Route Register</b>			
Service Request optional parameters			
routingDevice			
requestedRoutingMediaClass			
security			
privateData			
<b>Service Response optional parameters</b>			
actualRoutingMediaClass			
security			
privateData			

### A.5.12.2 Route Register Abort

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Route Register Abort</b>			
Service Request optional parameters			
security			
privateData			

### A.5.12.3 Route Register Cancel

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Route Register Cancel</b>			
Service Request optional parameters			
security			
privateData			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.12.4 Re-Route**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Re-Route</b>			
Service Request optional parameters			
routeRegisterReqID			
replyTimeout			
correlatorData			
security			
privateData			

**A.5.12.5 Route End**

This service must be supported if the Routing Profile is supported (A.5.1).

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Route End</b>			
Service Request optional parameters			
routeRegisterReqID			
errorValue			
correlatorData			
security			
privateData			

## A.5.12.6 Route Reject

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Route Reject</b>			
Service Request optional parameters			
routeRegisterReqID			
rejectCause			
correlatorData			
security			
privateData			

## A.5.12.7 Route Request

This service must be supported if the Routing Profile is supported (A.5.1).

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Route Request</b>			
Service Request optional parameters			
routeRegisterReqID			
callingDevice			
routingDevice			
routedCall			
routeSelAlgorithm			
associatedCallingDevice			
associatedCalledDevice			
priority			
replyTimeout			
correlatorData			
mediaCallCharacteristics			
callCharacteristics			
routedCallInfo			
subjectOfCall			
messageInfo			
languagePreferences			

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

**A.5.12.8 Route Select**

This service must be supported if the Routeing Profile is supported (A.5.1).

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Route Select</b>			
Service Request optional parameters			
routeRegisterReqID			
alternateRoutes			
remainRetries			
routeUsedReq			
correlatorData			
security			
privateData			

**A.5.12.9 Route Used**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Route Used</b>			
Service Request optional parameters			
routeRegisterReqID			
callingDevice			
domain			
correlatorData			
security			
privateData			

## A.5.13 Physical Device Services

## A.5.13.1 Button Press

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Button Press</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.13.2 Get Auditory Apparatus Information

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Auditory Apparatus Information</b>			
Service Request optional parameters			
auditoryApparatus			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.13.3 Get Button Information

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Button Information</b>			
Service Request optional parameters			
button			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.13.4 Get Display**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Display</b>			
Service Request optional parameters			
displayID			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.13.5 Get HookSwitch Status**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get HookSwitch Status</b>			
Service Request optional parameters			
hookswitch			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.13.6 Get Lamp Information**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Lamp Information</b>			
Service Request optional parameters			
lamp			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.13.7 Get Lamp Mode**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Lamp Mode</b>			
Service Request optional parameters			
lamp			
security			
privateData			
<b>Service Response optional parameters</b>			
lamp			
security			
privateData			

A.5.13.8 Get Message Waiting Indicator

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Message Waiting Indicator</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
deviceForMessage			
lampIsPresent			
security			
privateData			

A.5.13.9 Get Microphone Gain

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Microphone Gain</b>			
Service Request optional parameters			
auditoryApparatus			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.13.10 Get Microphone Mute

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Microphone Mute</b>			
Service Request optional parameters			
auditoryApparatus			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.13.11 Get Ringer Status

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Ringer Status</b>			
Service Request optional parameters			
ringer			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.13.12 Get Speaker Mute

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Speaker Mute</b>			
Service Request optional parameters			
auditoryApparatus			
security			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.13.13 Get Speaker Volume**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Speaker Volume</b>			
Service Request optional parameters			
auditoryApparatus			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.13.14 Set Button Information**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Button Information</b>			
Service Request optional parameters			
buttonLabel			
buttonAssociatedNumber			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.13.15 Set Display**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Display</b>			
Service Request optional parameters			
displayID			
physicalBaseRowNumber			
physicalBaseColumnNumber			
offset			
characterSet			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.13.16 Set HookSwitch Status**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set HookSwitch Status</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.13.17 Set Lamp Mode

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Lamp Mode</b>			
Service Request optional parameters			
lampBrightness			
lampColor			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.13.18 Set Message Waiting Indicator

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Message Waiting Indicator</b>			
Service Request optional parameters			
deviceForMessage			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.13.19 Set Microphone Gain

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Microphone Gain</b>			
Service Request optional parameters			
security			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

#### A.5.13.20 Set Microphone Mute

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Microphone Mute</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

#### A.5.13.21 Set Ringer Status

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Ringer Status</b>			
Service Request optional parameters			
ringMode			
ringPattern			
ringVolume			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.13.22 Set Speaker Mute**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Speaker Mute</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.13.23 Set Speaker Volume**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Speaker Volume</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.14 Physical Device Events**

**A.5.14.1 Button Information**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Button Information</b>			
buttonLabel			
buttonAssociatedNumber			

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

#### A.5.14.2 Button Press

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Button Press</b>			
buttonLabel			
buttonAssociatedNumber			
security			
privateData			

#### A.5.14.3 Display Updated

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Display Updated</b>			
displayID			
physicalRows			
physicalColumns			
physicalBaseRowNumber			
physicalBaseColumnNumber			
characterSet			
security			
privateData			

A.5.14.4 Hookswitch

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Hookswitch</b>			
security			
privateData			

A.5.14.5 Lamp Mode

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Lamp Mode</b>			
lampLabel			
lampBrightness			
lampColor			
security			
privateData			

A.5.14.6 Message Waiting

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Message Waiting</b>			
deviceForMessage			
security			
privateData			

## A.5.14.7 Microphone Gain

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Microphone Gain</b>			
security			
privateData			

## A.5.14.8 Microphone Mute

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Microphone Mute</b>			
security			
privateData			

## A.5.14.9 Ringer Status

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Ringer Status</b>			
ringMode			
ringCount			
ringDuration			
ringPattern			
ringVolume			
security			
privateData			

**A.5.14.10 Speaker Mute**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Speaker Mute</b>			
security			
privateData			

**A.5.14.11 Speaker Volume**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Speaker Volume</b>			
timeStamp			
security			
privateData			

**A.5.15 Logical Device Services**

**A.5.15.1 Call Back Non-Call-Related**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Call Back Non-Call-Related</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.15.2 Call Back Message Non-Call-Related

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Call Back Message Non-Call-Related</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.15.3 Cancel Call Back

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Cancel Call Back</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.15.4 Cancel Call Back Message

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Cancel Call Back Message</b>			
Service Request optional parameters			
security			
privateData			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.15.5 Get Agent State**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Agent State</b>			
Service Request optional parameters			
acdGroup			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.15.6 Get Auto Answer**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Auto Answer</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
numberOfRings			
security			
privateData			

## A.5.15.7 Get Auto Work Mode

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Auto Work Mode</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
autoWorkInterval			
security			
privateData			

## A.5.15.8 Get Callback

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Callback</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.15.9 Get Caller ID Status

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Caller ID Status</b>			
Service Request optional parameters			
security			
privateData			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.15.10 Get Do Not Disturb**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Do Not Disturb</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
callOrigination			
callingDeviceList			
security			
privateData			

**A.5.15.11 Get Forwarding**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Forwarding</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.15.12 Get Last Number Dialed

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Last Number Dialed</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.15.13 Get Presence State

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Presence State</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
fromTime			
untilTime			
place			
mood			
namedPresenceState			
security			
privateData			

A.5.15.14 Get Routeing Mode

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Routeing Mode</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.15.15 Set Agent State

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Agent State</b>			
Service Request optional parameters			
agentID			
password			
group			
security			
privateData			
<b>Service Response optional parameters</b>			
pendingAgentState			
security			
privateData			

## A.5.15.16 Set Auto Answer

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Auto Answer</b>			
Service Request optional parameters			
numberOfRings			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.15.17 Set Auto Work Mode

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Auto Work Mode</b>			
Service Request optional parameters			
autoWorkInterval			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.15.18 Set Caller ID Status

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Caller ID Status</b>			
Service Request optional parameters			
security			
privateData			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.15.19 Set Do Not Disturb**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Do Not Disturb</b>			
Service Request optional parameters			
callOrigination			
callingDeviceList			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.15.20 Set Forwarding**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Forwarding</b>			
Service Request optional parameters			
forwardingType			
forwardDN			
ringCount			
ringDuration			
security			
privateData			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Service Response optional parameters</b>			
security			
privateData			

#### A.5.15.21 Set Presence State

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Presence State</b>			
Service Request optional parameters			
fromTime			
untilTime			
place			
mood			
namedPresenceState			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

#### A.5.15.22 Set Routeing Mode

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Routeing Mode</b>			
Service Request optional parameters			
security			
privateData			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.16 Logical Device Events**

**A.5.16.1 Agent Busy**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Agent Busy</b>			
agentID			
acdGroup			
pendingAgentState			
cause			
security			
privateData			

**A.5.16.2 Agent Logged Off**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Agent Logged Off</b>			
agentID			
acdGroup			
agentPassword			
cause			
security			
privateData			

## A.5.16.3 Agent Logged On

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Agent Logged On</b>			
agentID			
acdGroup			
agentPassword			
cause			
security			
privateData			

## A.5.16.4 Agent Not Ready

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Agent Not Ready</b>			
agentID			
acdGroup			
cause			
security			
privateData			

## A.5.16.5 Agent Ready

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Agent Ready</b>			
agentID			
acdGroup			
cause			
security			
privateData			

**A.5.16.6 Agent Working After Call**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Agent Working After Call</b>			
agentID			
acdGroup			
pendingAgentState			
cause			
security			
privateData			

**A.5.16.7 Auto Answer**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Auto Answer</b>			
numberOfRings			
security			
privateData			

**A.5.16.8 Auto Work Mode**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Auto Work Mode</b>			
security			
privateData			

## A.5.16.9 Call Back

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Call Back</b>			
security			
privateData			

## A.5.16.10 Call Back Message

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Call Back Message</b>			
security			
privateData			

## A.5.16.11 Caller ID Status

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Caller ID Status</b>			
security			
privateData			

## A.5.16.12 Do Not Disturb

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Do Not Disturb</b>			
callOrigination			
callingDeviceList			
security			
privateData			

A.5.16.13 Forwarding

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Forwarding</b>			
forwardingType			
forwardTo			
forwardDefault			
ringCount			
ringDuration			
security			
privateData			

A.5.16.14 Presence State

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Presence State</b>			
fromTime			
untilTime			
place			
mood			
namedPresenceState			
security			
privateData			

A.5.16.15 Routeing Mode

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Routeing Mode</b>			
security			
privateData			

## A.5.17 Device Maintenance Events

## A.5.17.1 Back In Service

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Back In Service</b>			
cause			
security			
privateData			

## A.5.17.2 Device Capabilities Changed

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Device Capabilities Changed</b>			
cause			
security			
privateData			

## A.5.17.3 Out of Service

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Out of Service</b>			
cause			
security			
privateData			

A.5.17.4 Partially In Service

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Partially In Service</b>			
cause			
security			
privateData			

A.5.18 I/O Services

A.5.18.1 I/O Register

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>I/O Register</b>			
Service Request optional parameters			
ioDevice			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.18.2 I/O Register Abort

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>I/O Register Abort</b>			
Service Request optional parameters			
security			
privateData			

## A.5.18.3 I/O Register Cancel

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>I/O Register Cancel</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.18.4 Data Path Resumed

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Data Path Resumed</b>			
Service Request optional parameters			
ioRegisterReqID			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.18.5 Data Path Suspended

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Data Path Suspended</b>			
Service Request optional parameters			
ioRegisterReqID			
security			
privateData			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.18.6 Fast Data**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Fast Data</b>			
Service Request optional parameters			
ioRegisterReqID			
dataPathType			
displayAttributes			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.18.7 Resume Data Path**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Resume Data Path</b>			
Service Request optional parameters			
ioRegisterReqID			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.18.8 Send Broadcast Data

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Send Broadcast Data</b>			
Service Request optional parameters			
dataPathType			
displayAttributes			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.18.9 Send Data

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Send Data</b>			
Service Request optional parameters			
ioRegisterReqID			
displayAttributes			
ioCause			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.18.10 Send Multicast Data

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Send Multicast Data</b>			
Service Request optional parameters			
ioData			
displayAttributes			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.18.11 Start Data Path

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Start Data Path</b>			
Service Request optional parameters			
ioRegisterReqID			
dataPathDirection			
dataPathType			
displayID			
numberOfCharsToCollect			
terminationCharacter			
timeout			
security			
privateData			
<b>Service Response optional parameters</b>			
numberOfCharsToCollect			
terminationCharacter			
timeout			
security			
privateData			

## A.5.18.12 Stop Data Path

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Stop Data Path</b>			
Service Request optional parameters			
ioRegisterReqID			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.18.13 Suspend Data Path

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Suspend Data Path</b>			
Service Request optional parameters			
ioRegisterReqID			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.19 Data Collection Services**

**A.5.19.1 Data Collected**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Data Collected</b>			
Service Request optional parameters			
digitsData			
telTonesData			
connectionInfo			
dcolCause			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.19.2 Data Collection Resumed**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Data Collection Resumed</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.19.3 Data Collection Suspended

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Data Collection Suspended</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.19.4 Resume Data Collection

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Resume Data Collection</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.19.5 Start Data Collection

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Start Data Collection</b>			
Service Request optional parameters			
dataCollType			
digitsReportingCriteria			
security			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.19.6 Stop Data Collection**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Stop Data Collection</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.19.7 Suspend Data Collection**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Suspend Data Collection</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.20 Voice Services

## A.5.20.1 Activate

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Activate</b>			
Service Request optional parameters			
resource			
grammarName			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.20.2 Clear

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Clear Message</b>			
Service Request optional parameters			
resource			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.20.3 Concatenate Message

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Concatenate Message</b>			
Service Request optional parameters			
security			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.20.4 Deactivate**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Deactivate</b>			
Service Request optional parameters			
resource			
grammarName			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.20.5 Delete Message**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Delete Message</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.20.6 Play Message

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Play Message</b>			
Service Request optional parameters			
duration			
termination			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.20.7 Query Voice Attribute

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Query Voice Attribute</b>			
Service Request optional parameters			
messageToQuery			
resource			
connection			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.20.8 Queue Service

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Queue Service</b>			
Service Request optional parameters			
message			
resource			
text			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.20.9 Record Message

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Record Message</b>			
Service Request optional parameters			
resource			
samplingRate			
encodingAlgorithm			
maxDuration			
termination			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.20.10 Reposition

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Reposition</b>			
Service Request optional parameters			
messageToReposition			
resource			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.20.11 Resume

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Resume</b>			
Service Request optional parameters			
messageToResume			
resource			
duration			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.20.12 Review

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Review</b>			
Service Request optional parameters			
messageToReview			
resource			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.20.13 Set Voice Attribute

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Voice Attribute</b>			
Service Request optional parameters			
message			
resource			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.20.14 Start

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Start</b>			
Service Request optional parameters			
resource			
text			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.20.15 Stop

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Stop</b>			
Service Request optional parameters			
messageToBeStopped			
resource			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.20.16 Suspend

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Suspend</b>			
Service Request optional parameters			
message			
resource			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.20.17 Synthesize Message

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Synthesize Message</b>			
Service Request optional parameters			
control			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.21 Voice Events

## A.5.21.1 Bookmark Reached

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Bookmark Reached</b>			
resource			
cause			
servicesPermitted			
security			
privateData			

## A.5.21.2 Completed

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Completed</b>			
resource			
cause			
servicesPermitted			
security			
privateData			

## A.5.21.3 DTMF Detected

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>DTMF Detected</b>			
resource			
cause			
servicesPermitted			
security			
privateData			

A.5.21.4 Emptied

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Emptied</b>			
resource			
cause			
servicesPermitted			
security			
privateData			

A.5.21.5 Interruption Detected

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Interruption Detected</b>			
resource			
cause			
servicesPermitted			
security			
privateData			

A.5.21.6 Not Recognized

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Not Recognized</b>			
resource			
result			
cause			
servicesPermitted			
security			
privateData			

## A.5.21.7 Play

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Play</b>			
message			
resource			
length			
currentPosition			
speed			
cause			
servicesPermitted			
security			
privateData			

## A.5.21.8 Recognized

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Play</b>			
resource			
cause			
servicesPermitted			
security			
privateData			

## A.5.21.9 Record

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Record</b>			
message			
resource			
length			
currentPosition			

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

**A.5.21.10 Review**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Review</b>			
message			
resource			
length			
currentPosition			
cause			
servicesPermitted			
security			
privateData			

**A.5.21.11 Silence Timeout Expired**

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Silence Timeout Expired</b>			
resource			
cause			
servicesPermitted			
security			
privateData			

## A.5.21.12 Speech Detected

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Speech Detected</b>			
resource			
cause			
servicesPermitted			
security			
privateData			

## A.5.21.13 Started

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Started</b>			
resource			
cause			
servicesPermitted			
security			
privateData			

## A.5.21.14 Stop

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Stop</b>			
message			
resource			
length			
currentPosition			
cause			
servicesPermitted			
security			
privateData			

A.5.21.15 Suspend Play

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Suspend Play</b>			
message			
resource			
length			
currentPosition			
cause			
servicesPermitted			
security			
privateData			

A.5.21.16 Suspend Record

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Suspend Record</b>			
message			
resource			
length			
currentPosition			
cause			
servicesPermitted			
security			
privateData			

A.5.21.17 Voice Attribute Changed

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Voice Attribute Changed</b>			
message			
resource			

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
playVolume			
recordingGain			
speed			
currentPosition			
grammars			
language			
mode			
retainAudio			
silenceTimeout			
maxTimeout			
babbleTimeout			
endSilence			
rejectionThreshold			
autoInterruptable			
innerXML			
interdigitTimeout			
preflush			
cause			
security			
privateData			

## A.5.21.18 Voice Error Occurred

Description: Event, optional parameters	Supported ?		Comments
	Yes	No	
<b>Voice Error Occurred</b>			
resource			
cause			
servicesPermitted			
security			
privateData			

A.5.22 Call Detail Record (CDR) Services

A.5.22.1 Call Detail Records Notification

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Call Detail Records Notification</b>			
Service Request optional parameters			
cdrReason			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

A.5.22.2 Call Detail Records Report

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Call Detail Records Report</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.22.3 Send Stored Call Detail Records

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Send Stored Call Detail Records</b>			
Service Request optional parameters			
timePeriod			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.22.4 Start Call Detail Records Transmission

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Start Call Detail Records Transmission</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

## A.5.22.5 Stop Call Detail Records Transmission

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Stop Call Detail Records Transmission</b>			
Service Request optional parameters			
cdrTermReason			
security			
privateData			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.23 Location Services**

**A.5.23.1 Get Location Information**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Get Location Information</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
locationInfo			
security			
privateData			

**A.5.23.2 Set Location Information**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Set Location Information</b>			
Service Request optional parameters			
locationInfo			
replaceMode			
security			
privateData			
<b>Service Response optional parameters</b>			

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
locationInfo			
security			
privateData			

#### A.5.23.3 Location Tracking Session Resumed

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Location Tracking Session Resumed</b>			
Service Request optional parameters			
locReason			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

#### A.5.23.4 Location Tracking Session Suspended

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Location Tracking Session Suspended</b>			
Service Request optional parameters			
locReason			
locationInfoList			
security			
privateData			
<b>Service Response optional parameters</b>			
locationInfo			
security			
privateData			

**A.5.23.5 Resume Location Tracking Session**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Resume Location Tracking Session</b>			
Service Request optional parameters			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.23.6 Location Information Report**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Location Information Report</b>			
Service Request optional parameters			
locationInfoList			
security			
privateData			
<b>Service Response optional parameters</b>			
security			
privateData			

**A.5.23.7 Start Location Tracking Session**

Description: Service, optional parameters	Supported ?		Comments
	Yes	No	
<b>Start Location Tracking Session</b>			
Service Request optional parameters			
collectionType			
collectionInterval			
maxCollections			