Standard ECMA-348

5th Edition / June 2012

Web Services Description Language (WSDL) for CSTA Phase III

Standard

Rue du Rhône 114 CH-1204 Geneva T: +41 22 849 6000 F: +41 22 849 6001

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Introduction

This Standard defines a Web Services Description Language (WSDL) for Phase III of Computer Supported Telecommunications Applications (CSTA).

This Standard is part of a Suite of Standards and Technical Reports for Phase III of CSTA. All of the Standards and Technical Reports in the Suite are based upon the practical experience of Ecma member companies and each one represents a pragmatic and widely based consensus.

This 5th Edition of ECMA-348 is fully aligned with ECMA-269 9th Edition and it imports the CSTA XML schemata from ECMA-323 6th Edition.

This edition introduces WS-Eventing to establish event channels and implicit associations, and recasts outbound operations into inbound operations in the Computing Function WSDL. This change is fully conformant to WS-I and supports SOAP/HTTP as a complete binding of the WSDL.

This Ecma Standard has been adopted by the General Assembly of June 2012.

WSDL Tools Acknowledgement

The WSDL definition files, for the computing function, switching function and common messages, reflecting the WSDL specifications in this Standard have been verified using the XML SPY tool.

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Web Services Description Language (WSDL) for CSTA Phase III

1 Scope

Web Services Description Language (WSDL) is an XML schema for describing Web services and how they can be accessed by Web based applications. WSDL facilitates the creation and deployment of web based applications. For example, by using WSDL with many industry Web services development environments, a web services developer can access features provided by an implementation without knowing details of the network or underlying transport protocols.

This Standard specifies two WSDL documents: Computing Function WSDL and Switching Function WSDL, for ECMA-269, Services for Computer Supported Telecommunications Applications (CSTA) Phase III. All CSTA features (e.g., services and events) specified in ECMA-269 are specified in this Standard. This Standard specifies pairs of port types, one from the Computing Function WSDL and one from the Switching Function WSDL, for all the profiles specified in ECMA-269.

A full WSDL document contains both abstract definitions (WSDL messages and port type elements) and concrete protocol specific definitions (WSDL bindings, ports, and service elements). This CSTA WSDL Standard specifies only the abstract definitions of a WSDL document. The concrete and protocol specific definitions are implementation specific and are outside the scope of this Standard. Annex B illustrates an example SOAP over HTTP binding.

WSDL is defined in XML and XML Schemata. This Standard builds upon the XML data types and imports all message formats specified in ECMA-323.

Annex A specifies mechanisms to establish event channels based on WS-Eventing. The event channels allow the Switching Function and Computing Function to be both a Service Requester and a Service Provider.

2 Conformance

In addition to the conformance requirements specified in Clause 2 of ECMA-269 and Clause 2 of ECMA-323, a conformant implementation supports at least one pair of the port types defined in this Standard. Each port type pair in this Standard corresponds to a profile specified in 2.3.1 of ECMA-269.

To support one pair of these port types, an implementation must support all the WSDL operations specified in the port type pair. A conformant implementation supports an operation by adhering to the corresponding service definition in ECMA-269 and by using the message formats and data types as specified in ECMA-323.

A conformant implementation also supports the event channel establishment specified in Annex A.

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 Ecma references

ECMA-269, *Services for Computer Supported Telecommunications Applications (CSTA) Phase III, 9th Edition (December 2011)*

ECMA-323 *XML Protocol for Computer Supported Telecommunications Applications (CSTA) Phase III, 6th Edition (December 2011)*

ECMA-366 *WS-Session - Web Services for Application Session Services, 3rd Edition (December 2011)*

ECMA TR/72 *Glossary of Definitions and Terminology for Computer Supported Telecommunications Applications (CSTA) Phase III, 3rd Edition (June 2000)*

3.2 World Wide Web Consortium references

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

XML 1.0, Extensible Markup Language (XML) 1.0 (Second Edition), W3C Recommendation 06 October 2000

XML Schema 1.0, XML Schema Language Part 1: Structures. W3C Recommendation 2 May 2001 and XML Schema Language Part 2: Datatypes. W3C Recommendation 2 May 2001

WSDL 1.1, Web Services Description Language (WSDL) 1.1, W3C Note 15 March 2001

WS-Addressing, Web Services Addressing 1.0 – Core, ISO/IEC 40240
Web Services Addressing 1.0 - SOAP Binding, ISO/IEC 40250
Web Services Addressing 1.0 – Metadata, ISO/IEC 40260

WS-Eventing, Web Services Eventing (WS-Eventing) W3C Recommendation 13 December 2011

4 Definitions

CSTA-specific terminology is defined in ECMA TR/72.

5 Web Services Overview

A Web service is the name for a service that is accessed by applications over the Internet. Conceptually this corresponds to a CSTA application (client) invoking services provided by a CSTA implementation (server) in a distributed environment.

Web services are more formally defined as: “encapsulated, loosely coupled contracted functions offered via standard protocols” where:

- Encapsulated means the implementation of the function is never seen from the outside
- Loosely coupled means changing the implementation of one function does not require a change of the invoking function and
- Contracted means there are publicly available descriptions of the function’s behaviour, how to bind to the function as well as its input and output parameters.

The goal of Web services is a seamless integration of services across the different technologies (networks, software, hardware, etc.) available on the Internet. Web services require:

1. A standard way to represent data
2. A common, extensible message format
3. A common, extensible service description language

4. A common way to discover service providers

The first two requirements, a standard way to represent data and a common extensible message format, have already been achieved with ECMA-323. The ECMA-323 Standard includes extensible XML schemas for all of the categories of services defined in ECMA-269.

NOTE This Standard satisfies the third requirement, a common, extensible service description language, by providing WSDL definitions for CSTA.

UDDI (Universal Discovery, Description, and Integration Registry) and other procedures to satisfy the forth requirement are outside the scope of this Standard.

There are three components involved with Web services:

- Service Requester – provides the following major functions: 1) optionally queries a Service Broker for where to find a suitable Service Provider and 2) binds and interacts with a Service Provider.
- Service Provider – provides the following major functions: 1) publishes its services (e.g. WSDL document) and 2) interacts with a Service Requester.
- Service Broker – acts as a look up service between a Service Provider and a Service Requester. A Service Broker is an optional component of a Web service.

For the purposes of this Standard:

- A CSTA Service Requester is a Service Requester.
- A CSTA Service Provider is a Service Provider.
- A Service Broker is outside the scope of this Standard.
- A WS-SF is a Switching Function that acts as a CSTA Service Requester and Provider.
- A WS-CF is a Computing Function that acts as a CSTA Service Requester and Provider.

6 WSDL Overview

WSDL enables applications to communicate with each other in an automated way. A WSDL document describes Web services both in an abstract (network independent) and concrete (with network protocol bindings, e.g. SOAP) way.

A WSDL document consists of sets of definitions. There are six major elements in a WSDL document:

- types – provides the data type definitions used to describe the messages exchanged
- message – defines the messages contents
- operation – defines how input and output messages are associated with a logical operation
- portType – groups a set of operations together
- binding – specifies concrete protocol and data format specifications for the operations and messages for a particular portType
- port – specifies an address for a binding
- service – used to group a set of related ports

For interoperability, this Standard disallows WSDL 1.1 Notification and Solicit-response operations. Instead, this Standard uses a Switching Function WSDL to represent the Switching Function Services defined in ECMA-269 and a Computing Function WSDL to represent the CSTA Event Reports and Computing Function Services defined in ECMA-269. A Computing Function WSDL port type and a Switching Function WSDL port type that collectively specify a CSTA profile are paired by using this naming convention: the name of the Computing Function port type is the name of the paired Switching Function port type prefixed by string “CF-“.

6.1 Namespaces

There are two CSTA specific namespaces used in this Standard:

- http://www.ecma-international.org/standards/ecma-323/csta/ed6 - this namespace, for which “csta” is a shorthand, contains all of the CSTA XML messages specified in ECMA-323, 6th Edition. See 6.2.
- http://www.ecma-international.org/standards/ecma-348/csta-wsdl/ed5 - this namespace, for which “tns” is a shorthand, contains the CSTA WSDL schema definitions specified in this Standard.

NOTE The namespace for csta is appropriate for all of the XML Tag Options specified in ECMA-323.

There are also several other namespaces referenced by the CSTA WSDL schema such as:

- http://schemas.xmlsoap.org/wsdl/ - this contains the W3C WSDL 1.1 schema
- http://schemas.xmlsoap.org/wsdl/soap - this contains the W3C SOAP bindings for WSDL 1.1
- http://schemas.xmlsoap.org/wsdl/http - this contains the W3C HTTP bindings for WSDL 1.1
- http://www.w3.org/2001/XMLSchema - this contains the W3C XML Schema Definition

6.2 Data Types

Data types describe the format of the XML elements in a message. Examples of data types are integers and strings.

This Standard imports the CSTA XML data types standardized in ECMA-323.

6.3 Messages

Message definitions specify the contents of an XML message. The message definitions are used in a WSDL operation where they will be typed as an input or output message in the context of the WSDL operation.

This Standard imports the CSTA XML elements specified in ECMA-323.

An example of an XML element specified in ECMA-323 is:

```
<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>
```

The above definition, along with all ECMA-323 message definitions, is imported by the CSTA WSDL schema and is available in the http://www.ecma-international.org/standards/ecma-323/csta/ed5 namespace.

6.3.1 Message Names

The WSDL message element specifies the name of a message that is referenced in a WSDL operation element. The naming convention used in this Standard is to derive the WSDL message element name from the corresponding ECMA-323 element name. A lower case letter is used to differentiate the WSDL message name from the ECMA-323 element name.

For example, the ECMA-323 element name AnswerCall is used in the definition of the CSTA WSDL answerCall message name.

6.3.2 Message Parts

The WSDL message part element is used to define the actual format of the message. Although there can be multiple parts in a WSDL message, CSTA WSDL uses only one part and therefore can always use the same name (i.e. “parameter”) for the message part name. The element type refers to an element defined in ECMA-323.

6.3.3 Negative Response Message

The negative response message is specified as follows:

```
<message name="negResponse">
  <part name="parameter" element="csta:CSTAErrorCode"/>
</message>
```

6.3.4 Example

The following example defines a WSDL message element definition for the ECMA-323 AnswerCall request message. Its name “answerCall” will be used to define the AnswerCall Operation.

```
<message name="answerCall">
  <part name="parameter" element="csta:AnswerCall"/>
</message>
```

6.4 Operations

A WSDL operation specifies the input message (if any), the output message (if any), and the fault message (if any) that is associated with the WSDL operation.

This formalizes the relationship between the CSTA XML elements standardized in ECMA-323. Although a person can determine the relationship between messages associated with an operation in ECMA-323 by its logical place in the ECMA-323 Standard and in some cases by naming conventions, CSTA WSDL specifies this relationship in a formal notation that can be understood by applications.

The operation name is derived from the feature name as specified in ECMA-323 and the message names are defined by the WSDL message element names.

The following subsections describe the types of WSDL operations used in the Switching Function WSDL and the Computing Function WSDL.

6.4.1 Switching Function WSDL

A request-response operation type is used when a Switching Function receives a message and responds with a corresponding message.

It is defined using one input message, one output message, and a fault message.

The CSTA Answer Call service uses this type of operation. The operation for CSTA Answer Call is shown below.

```
<operation name="CSTA-Answer-Call">
  <input message="tns:answerCall"/>
  <output message="tns:answerCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
```

The following notation is used to describe a WSDL request-response operation type:

CSTA-Answer-Call

input	tns:answerCall
output	tns:answerCallResponse
fault	tns:negResponse

A one-way operation type is used when a Switching Function receives a message and does not respond to the message.

This type of WSDL operation is defined using one input message.

The CSTA-Route-Select service uses this type of operation. The operation for CSTA-Route-Select is shown below.

```
<operation name="CSTA-Route-Select">
  <input message="tns:routeSelect"/>
</operation>
```

The following notation is used to describe a WSDL one-way operation type:

CSTA-Route-Select

input	tns:routeSelect

WSDL 1.1 does not specify a fault message with a one-way operation type, however ECMA-269 specifies that a negative acknowledgement can be sent for certain services that do not specify a positive acknowledgement. Therefore a separate operation in the Computing Function WSDL is specified in this Standard that provides a negative acknowledgement. It is not required to send a negative acknowledgement in these cases.

```
<operation name="CSTA-Fault-One-Way">
  <input message="tns:negResponse"/>
</operation>
```

6.4.2 Computing Function WSDL

A request-response operation type is used when a Switching Function sends a message and receives a corresponding response to the message.

The CSTA Call Detail Record Report service uses this type of operation. The operation is shown below.

```
<operation name="CSTA-CDR-Report">
  <input message="tns:cDRReport"/>
  <output  message="tns:cDRReportResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
```

The following notation is used to describe a Computing Function WSDL request-response operation type:

CSTA-CDR-Report	
input	**tns:cDRReport**
output	**tns:cDRReportResponse**
fault	**tns:negResponse**

A one-way operation type is used when a Switching Function sends a message and does not receive a response to the message.

The CSTA-Delivered-Event uses this type of operation. The operation for the CSTA-Delivered-Event is shown below.

```
<operation name="CSTA-Delivered-Event">
  <input message="tns:deliveredEvent"/>
</operation>
```

The following notation is used to describe a WSDL notification operation type:

CSTA-Delivered-event	
input	**tns:deliveredEvent**

The CSTA-Route-Request service also uses this type of operation. The operation for CSTA-Route-Request is shown below.

```
<operation name="CSTA-Route-Request">
  <input message="tns:routeRequest"/>
</operation>
```

The following notation is another example of a WSDL one-way operation type:

CSTA-Route-Request	
input	**tns:routeRequest**

WSDL 1.1 does not specify a fault message with a one-way operation type, however ECMA-269 specifies that a negative acknowledgement can be sent for certain services that do not specify a positive acknowledgement. Therefore a separate WSDL operation is specified in this Standard that provides a negative acknowledgement. It is not required to send a negative acknowledgement in these cases.

```
<operation name="CSTA-Fault-Notification">
  <input message="tns:negResponse"/>
</operation>
```

6.4.3 Summary of CSTA Request/Response & Event Models and WSDL Operation Types

The following list shows how the CSTA request/response models and events are represented with WSDL operation types:

- CSTA Services initiated by a WS-CF
  - With ack. – uses Switching Function WSDL request-response operation type.
  - Without ack. – uses Switching Function WSDL one-way operation type.
- CSTA Event Reports sent by a WS-SF
  - Uses Computing Function WSDL one-way operation type.
- CSTA Services initiated by a WS-SF
  - With ack. – Uses Computing Function WSDL request-response operation type.
  - Without ack. – Uses Computing Function WSDL one-way operation type.

Because WSDL 1.1 does not allow a fault element on one-way operation types, *faults for one-way operations are specified as separate WSDL operations.*

6.5 Port Types

A WSDL port type is a collection of WSDL operations. The WSDL port type will be used to bind to one or more specific protocols and transport data formats.

Each port type specified in this Standard (beginning in Clause 24) corresponds to a profile specified in 2.1.3 of ECMA-269. A Service Provider may support other operations in addition to the operations specified in the port types.

6.5.1 Example

An example port type with three CSTA WSDL operations follows:

```
<portType name="samplePortType">

  <operation name="CSTA-Answer-Call">
    <input message="tns:answerCall"/>
    <output message="tns:answerCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
```

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```
    <operation name="CSTA-Clear-Connection">
      <input message="tns:clearConnection"/>
      <output message="tns:clearConnectionResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>

    <operation name="CSTA-Make-Call">
      <input message="tns:makeCall"/>
      <output message="tns:makeCallResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
  </portType>
```

The following notation is used to describe a portType:

porttype **samplePortType**

operations	**CSTA-Answer-Call**
	input **tns:answerCall**
	output **tns:answerCallResponse**
	fault **tns:negResponse**
	CSTA-Clear-Connection
	input **tns:clearConnection**
	output **tns:clearConnectionResponse**
	fault **tns:negResponse**
	CSTA-Make-Call
	input **tns:makeCall**
	output **tns:makeCallResponse**
	fault **tns:negResponse**
source	(see below)

source

```
<portType name="samplePortType">
  <operation name="CSTA-Answer-Call">
    <input message="tns:answerCall"/>
    <output message="tns:answerCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Clear-Connection">
    <input message="tns:clearConnection"/>
    <output message="tns:clearConnectionResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Make-Call">
    <input message="tns:makeCall"/>
    <output message="tns:makeCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
</portType>
```

6.6 Bindings

A binding associates one concrete protocol and transport data format specification to a port type.

This Standard allows any type of binding and binding extensions for the CSTA WSDL port types specified in this Standard.

An example of a SOAP 1.1/HTTP binding is provided in Annex B.

6.7 Port

A port is a single endpoint defined as a combination of a binding and a network address.

An example of how a port is used in a WSDL document is provided in Annex B

6.8 Service

A service is a collection of related ports.

An example of how a service is used in a WSDL document is provided in Annex B.

7 Capability Exchange Services – Messages and Operations

This Clause specifies the WSDL messages and operations for the CSTA capability exchange services and messages.

7.1 Messages

message **getCSTAFeatures**

parts	**parameter**	
	element	**csta:GetCSTAFeatures**

source

```
<message name="getCSTAFeatures">
  <part name="parameter" element="csta:GetCSTAFeatures"/>
</message>
```

message **getCSTAFeaturesResponse**

parts	**parameter**	
	element	**csta:GetCSTAFeaturesResponse**

source

```
<message name="getCSTAFeaturesResponse">
  <part name="parameter" element="csta:GetCSTAFeaturesResponse"/>
</message>
```

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message **getLogicalDeviceInformation**

parts **parameter**

element **csta:GetLogicalDeviceInformation**

source

```
<message name="getLogicalDeviceInformation">
 <part name="parameter" element="csta:GetLogicalDeviceInformation"/>
</message>
```

message **getLogicalDeviceInformationResponse**

parts **parameter**

element **csta:GetLogicalDeviceInformationResponse**

source

```
<message name="getLogicalDeviceInformationResponse">
 <part name="parameter" element="csta:GetLogicalDeviceInformationResponse"/>
</message>
```

message **getPhysicalDeviceInformation**

parts **parameter**

element **csta:GetPhysicalDeviceInformation**

source

```
<message name="getPhysicalDeviceInformation">
 <part name="parameter" element="csta:GetPhysicalDeviceInformation"/>
</message>
```

message **getPhysicalDeviceInformationResponse**

parts **parameter**

element **csta:GetPhysicalDeviceInformationResponse**

source

```
<message name="getPhysicalDeviceInformationResponse">
 <part name="parameter" element="csta:GetPhysicalDeviceInformationResponse"/>
</message>
```

message **getSwitchingFunctionCaps**

parts **parameter**

element **csta:GetSwitchingFunctionCaps**

source

```
<message name="getSwitchingFunctionCaps">
 <part name="parameter" element="csta:GetSwitchingFunctionCaps"/>
</message>
```

message **getSwitchingFunctionCapsResponse**

parts **parameter**

element **csta:GetSwitchingFunctionCapsResponse**

source

```
<message name="getSwitchingFunctionCapsResponse">
  <part name="parameter" element="csta:GetSwitchingFunctionCapsResponse"/>
</message>
```

message **getSwitchingFunctionDevices**

parts **parameter**

element **csta:GetSwitchingFunctionDevices**

source

```
<message name="getSwitchingFunctionDevices">
  <part name="parameter" element="csta:GetSwitchingFunctionDevices"/>
</message>
```

message **getSwitchingFunctionDevicesResponse**

parts **parameter**

element **csta:GetSwitchingFunctionDevicesResponse**

source

```
<message name="getSwitchingFunctionDevicesResponse">
  <part name="parameter" element="csta:GetSwitchingFunctionDevicesResponse"/>
</message>
```

message **switchingFunctionDevices**

parts **parameter**

element **csta:SwitchingFunctionDevices**

source

```
<message name="switchingFunctionDevices">
  <part name="parameter" element="csta:SwitchingFunctionDevices"/>
</message>
```

7.2 Operations

operations

CSTA-Get-CSTA-Features

input	tns:getCSTAFeatures
output	tns:getCSTAFeaturesResponse
fault	tns:negResponse

CSTA-Get-Logical-Device-Information

input	tns:getLogicalDeviceInformation
output	tns:getLogicalDeviceInformationResponse
fault	tns:negResponse

CSTA-Get-Physical-Device-Information

input	tns:getPhysicalDeviceInformation
output	tns:getPhysicalDeviceInformationResponse
fault	tns:negResponse

CSTA-Get-Switching-Function-Capabilities

input	tns:getSwitchingFunctionCaps
output	tns:getSwitchingFunctionCapsResponse
fault	tns:negResponse

CSTA-Get-Switching-Function-Devices

input	tns:getSwitchingFunctionDevices
output	tns:getSwitchingFunctionDevicesResponse
fault	tns:negResponse

CSTA-Switching-Function-Devices

output	tns:switchingFunctionDevices

source

```
<operation name="CSTA-Get-CSTA-Features">
  <input message="tns:getCSTAFeatures"/>
  <output message="tns:getCSTAFeaturesResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Logical-Device-Information">
  <input message="tns:getLogicalDeviceInformation"/>
  <output message="tns:getLogicalDeviceInformationResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Physical-Device-Information">
  <input message="tns:getPhysicalDeviceInformation"/>
  <output message="tns:getPhysicalDeviceInformationResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Switching-Function-Capabilities">
  <input message="tns:getSwitchingFunctionCaps"/>
  <output message="tns:getSwitchingFunctionCapsResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Switching-Function-Devices">
  <input message="tns:getSwitchingFunctionDevices"/>
  <output message="tns:getSwitchingFunctionDevicesResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Switching-Function-Devices">
  <output message="tns:switchingFunctionDevices"/>
</operation>
```

8 System Services – Messages and Operations

This Clause specifies the WSDL messages and operations for the CSTA system services.

8.1 Messages

message **changeSystemStatFilter**

parts	**parameter** element **csta:ChangeSysStatFilter**

source	`<message name="changeSystemStatFilter">`
	`  <part name="parameter" element="csta:ChangeSysStatFilter"/>`
	`</message>`

message **changeSysStatFilterResponse**

parts	**parameter** element **csta:ChangeSysStatFilterResponse**

source	`<message name="changeSysStatFilterResponse">`
	`  <part name="parameter" element="csta:ChangeSysStatFilterResponse"/>`
	`</message>`

message **systemRegister**

parts	**parameter** element **csta:SystemRegister**

source	`<message name="systemRegister">`
	`  <part name="parameter" element="csta:SystemRegister"/>`
	`</message>`

message **systemRegisterResponse**

parts	**parameter** element **csta:SystemRegisterResponse**

source	`<message name="systemRegisterResponse">`
	`  <part name="parameter" element="csta:SystemRegisterResponse"/>`
	`</message>`

message **systemRegisterAbort**

parts **parameter**

element **csta:SystemRegisterAbort**

source

```
<message name="systemRegisterAbort">
  <part name="parameter" element="csta:SystemRegisterAbort"/>
</message>
```

message **systemRegisterCancel**

parts **parameter**

element **csta:SystemRegisterCancel**

source

```
<message name="systemRegisterCancel">
  <part name="parameter" element="csta:SystemRegisterCancel"/>
</message>
```

message **systemRegisterCancelResponse**

parts **parameter**

element **csta:SystemRegisterCancelResponse**

source

```
<message name="systemRegisterCancelResponse">
  <part name="parameter" element="csta:SystemRegisterCancelResponse"/>
</message>
```

message **requestSystemStatus**

parts **parameter**

element **csta:RequestSystemStatus**

source

```
<message name="requestSystemStatus">
  <part name="parameter" element="csta:RequestSystemStatus"/>
</message>
```

message **requestSystemStatusResponse**

parts **parameter**

element **csta:RequestSystemStatusResponse**

source

```
<message name="requestSystemStatusResponse">
  <part name="parameter" element="csta:RequestSystemStatusResponse"/>
</message>
```

message **systemStatus**

parts **parameter**

element **csta:SystemStatus**

source

```
<message name="systemStatus">
  <part name="parameter" element="csta:SystemStatus"/>
</message>
```

message **systemStatusResponse**

parts **parameter**

element **csta:SystemStatusResponse**

source

```
<message name="systemStatusResponse">
  <part name="parameter" element="csta:SystemStatusResponse"/>
</message>
```

message **swFunctionCapsChanged**

parts **parameter**

element **csta:SwFunctionCapsChanged**

source

```
<message name="swFunctionCapsChanged">
  <part name="parameter" element="csta:SwFunctionCapsChanged"/>
</message>
```

message **swFunctionCapsChangedResponse**

parts **parameter**

element **csta:SwFunctionCapsChangedResponse**

source

```
<message name="swFunctionCapsChangedResponse">
  <part name="parameter" element="csta:SwFunctionCapsChangedResponse"/>
</message>
```

message **swFunctionDevicesChanged**

parts **parameter**

element **csta:SwFunctionDevicesChanged**

source

```
<message name="swFunctionDevicesChanged">
  <part name="parameter" element="csta:SwFunctionDevicesChanged"/>
</message>
```

message **swFunctionDevicesChangedResponse**

parts **parameter**

element **csta:SwFunctionDevicesChangedResponse**

source

```
<message name="swFunctionDevicesChangedResponse">
  <part name="parameter" element="csta:SwFunctionDevicesChangedResponse"/>
</message>
```

message **getRegistrations**

parts **parameter**

element **csta:GetRegistrations**

source

```
<message name="getRegistrations">
  <part name="parameter" element="csta:GetRegistrations"/>
</message>
```

message **getRegistrationsResponse**

parts **parameter**

element **csta:GetRegistrationsResponse**

source

```
<message name="getRegistrationsResponse">
  <part name="parameter" element="csta:GetRegistrationsResponse"/>
</message>
```

message **registrationInfo**

parts **parameter**

element **csta:RegistrationInfo**

source

```
<message name="registrationInfo">
  <part name="parameter" element="csta:RegistrationInfo"/>
</message>
```

8.2 Operations

operations	**CSTA-Change-System-Status-Filter**	
	input	tns:changeSystemStatFilter
	output	tns:changeSysStatFilterResponse
	fault	tns:negResponse
	CSTA-System-Register	
	input	tns:systemRegister
	output	tns:systemRegisterResponse
	fault	tns:negResponse
	CSTA-System-Register-Abort	
	input	tns:systemRegisterAbort
	CSTA-System-Register-Cancel	
	input	tns:systemRegisterCancel
	output	tns:systemRegisterCancelResponse
	fault	tns:negResponse
	CSTA-Request-System-Status-as-input	
	input	tns:requestSystemStatus
	output	tns:requestSystemStatusResponse
	fault	tns:negResponse
	CSTA-Request-System-Status-as-output	
	input	tns:requestSystemStatus
	output	tns:requestSystemStatusResponse
	fault	tns:negResponse
	CSTA-System-Status-as-input	
	input	tns:systemStatus
	output	tns:systemStatusResponse
	fault	tns:negResponse
	CSTA-System-Status-as-output	
	input	tns:systemStatus
	output	tns:systemStatusResponse
	fault	tns:negResponse
	CSTA-SF-Capabilities-Changed	
	input	tns:swFunctionCapsChanged
	output	tns:swFunctionCapsChangedResponse
	fault	tns:negResponse

CSTA-SF-Devices-Changed

input	tns:swFunctionDevicesChanged
output	tns:swFunctionDevicesChangedResponse
fault	tns:negResponse

CSTA-Get-Registrations

input	tns:getRegistrations
output	tns:getRegistrationsResponse
fault	tns:negResponse

CSTA-Registration-Info

input	tns:registrationInfo

source

```
<operation name="CSTA-Change-System-Status-Filter">
  <input message="tns:changeSystemStatFilter"/>
  <output message="tns:changeSysStatFilterResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-System-Register">
  <input message="tns:systemRegister"/>
  <output message="tns:systemRegisterResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-System-Register-Abort">
  <input message="tns:systemRegisterAbort"/>
</operation>
<operation name="CSTA-System-Register-Cancel">
  <input message="tns:systemRegisterCancel"/>
  <output message="tns:systemRegisterCancelResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Request-System-Status-as-input">
  <input message="tns:requestSystemStatus"/>
  <output message="tns:requestSystemStatusResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Request-System-Status-as-output">
  <input message="tns:requestSystemStatus"/>
  <output message="tns:requestSystemStatusResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-System-Status-as-input">
  <input message="tns:systemStatus"/>
  <output message="tns:systemStatusResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
```

```
</operation>
<operation name="CSTA-System-Status-as-output">
  <input message="tns:systemStatus"/>
  <output message="tns:systemStatusResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-SF-Capabilities-Changed">
  <input message="tns:swFunctionCapsChanged"/>
  <output message="tns:swFunctionCapsChangedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-SF-Devices-Changed">
  <input message="tns:swFunctionDevicesChanged"/>
  <output message="tns:swFunctionDevicesChangedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Registrations">
  <input message="tns:getRegistrations"/>
  <output message="tns:getRegistrationsResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Registration-Info">
  <input message="tns:registrationInfo"/>
</operation>
```

9 Monitoring Services – Messages and Operations

This Clause specifies the WSDL messages and operations for the CSTA monitoring services.

9.1 Messages

message **changeMonitorFilter**

parts **parameter**

element **csta:ChangeMonitorFilter**

source

```
<message name="changeMonitorFilter">
  <part name="parameter" element="csta:ChangeMonitorFilter"/>
</message>
```

message **changeMonitorFilterResponse**

parts **parameter**

element **csta:ChangeMonitorFilterResponse**

source

```
<message name="changeMonitorFilterResponse">
  <part name="parameter" element="csta:ChangeMonitorFilterResponse"/>
</message>
```

message **monitorStart**

parts **parameter**

element **csta:MonitorStart**

source

```
<message name="monitorStart">
  <part name="parameter" element="csta:MonitorStart"/>
</message>
```

message **monitorStartResponse**

parts **parameter**

element **csta:MonitorStartResponse**

source

```
<message name="monitorStartResponse">
  <part name="parameter" element="csta:MonitorStartResponse"/>
</message>
```

message **monitorStop**

parts **parameter**

element **csta:MonitorStop**

source

```
<message name="monitorStop">
 <part name="parameter" element="csta:MonitorStop"/>
</message>
```

message **monitorStopResponse**

parts **parameter**

element **csta:MonitorStopResponse**

source

```
<message name="monitorStopResponse">
 <part name="parameter" element="csta:MonitorStopResponse"/>
</message>
```

message **getMonitors**

parts **parameter**

element **csta:GetMonitors**

source

```
<message name="getMonitors">
 <part name="parameter" element="csta:GetMonitors"/>
</message>
```

message **getMonitorsResponse**

parts **parameter**

element **csta:GetMonitorsResponse**

source

```
<message name="getMonitorsResponse">
 <part name="parameter" element="csta:GetMonitorsResponse"/>
</message>
```

message **monitorInfo**

parts **parameter**

element **csta:MonitorInfo**

source

```
<message name="monitorInfo">
 <part name="parameter" element="csta:MonitorInfo"/>
</message>
```

9.2 Operations

operations

CSTA-Change-Monitor-Filter

input	tns:changeMonitorFilter
output	tns:changeMonitorFilterResponse
fault	tns:negResponse

CSTA-Monitor-Start

input	tns:monitorStart
output	tns:monitorStartResponse
fault	tns:negResponse

CSTA-Monitor-Stop-as-input

input	tns:monitorStop
output	tns:monitorStopResponse
fault	tns:negResponse

CSTA-Monitor-Stop-as-output

input	tns:monitorStop
output	tns:monitorStopResponse
fault	tns:negResponse

CSTA-Get-Monitors

input	tns:getMonitors
output	tns:getMonitorsResponse
fault	tns:negResponse

CSTA-Monitor-Info

input	tns:monitorInfo

source

```
<operation name="CSTA-Change-Monitor-Filter">
  <input message="tns:changeMonitorFilter"/>
  <output message="tns:changeMonitorFilterResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Monitor-Start">
  <input message="tns:monitorStart"/>
  <output message="tns:monitorStartResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Monitor-Stop-as-input">
  <input message="tns:monitorStop"/>
  <output message="tns:monitorStopResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Monitor-Stop-as-output">
  <input message="tns:monitorStop"/>
  <output message="tns:monitorStopResponse"/>
```

```
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
  <operation name="CSTA-Get-Monitors">
      <input message="tns:getMonitors"/>
      <output message="tns:getMonitorsResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
  <operation name="CSTA-Monitor-Info">
      <input message="tns:monitorInfo"/>
    </operation>
```

10 Snapshot Services – Messages and Operations

This Clause specifies the WSDL messages and operations for the CSTA snapshot services.

10.1 Messages

message **snapshotCall**

```
parts    parameter
           element   csta:SnapshotCall
source   <message name="snapshotCall">
           <part name="parameter" element="csta:SnapshotCall"/>
         </message>
```

message **snapshotCallResponse**

```
parts    parameter
           element   csta:SnapshotCallResponse
source   <message name="snapshotCallResponse">
           <part name="parameter" element="csta:SnapshotCallResponse"/>
         </message>
```

message **snapshotDevice**

```
parts    parameter
           element   csta:SnapshotDevice
source   <message name="snapshotDevice">
           <part name="parameter" element="csta:SnapshotDevice"/>
         </message>
```

message **snapshotDeviceResponse**

parts **parameter**

element **csta:SnapshotDeviceResponse**

source

```
<message name="snapshotDeviceResponse">
  <part name="parameter" element="csta:SnapshotDeviceResponse"/>
</message>
```

message **snapshotCallData**

parts **parameter**

element **csta:SnapshotCallData**

source

```
<message name="snapshotCallData">
  <part name="parameter" element="csta:SnapshotCallData"/>
</message>
```

message **snapshotDeviceData**

parts **parameter**

element **csta:SnapshotDeviceData**

source

```
<message name="snapshotDeviceData">
  <part name="parameter" element="csta:SnapshotDeviceData"/>
</message>
```

10.2 Operations

operations

CSTA-Snapshot-Call

input	tns:snapshotCall
output	tns:snapshotCallResponse
fault	tns:negResponse

CSTA-Snapshot-Device

input	tns:snapshotDevice
output	tns:snapshotDeviceResponse
fault	tns:negResponse

CSTA-Snapshot-Call-Data

input	tns:snapshotCallData

CSTA-Snapshot-Device-Data

input	tns:snapshotDeviceData

source

```
<operation name="CSTA-Snapshot-Call">
  <input message="tns:snapshotCall"/>
  <output message="tns:snapshotCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Snapshot-Device">
  <input message="tns:snapshotDevice"/>
  <output message="tns:snapshotDeviceResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Snapshot-Call-Data">
  <input message="tns:snapshotCallData"/>
</operation>
<operation name="CSTA-Snapshot-Device-Data">
  <input message="tns:snapshotDeviceData"/>
</operation>
```

11 Call Control Features – Messages and Operations

This Clause specifies the WSDL messages and operations for the CSTA call control features.

11.1 Messages

message **acceptCall**

parts **parameter**

element **csta:AcceptCall**

source

```
<message name="acceptCall">
  <part name="parameter" element="csta:AcceptCall"/>
</message>
```

message **acceptCallResponse**

parts **parameter**

element **csta:AcceptCallResponse**

source

```
<message name="acceptCallResponse">
  <part name="parameter" element="csta:AcceptCallResponse"/>
</message>
```

message **alternateCall**

parts **parameter**

element **csta:AlternateCall**

source

```
<message name="alternateCall">
  <part name="parameter" element="csta:AlternateCall"/>
</message>
```

message **alternateCallResponse**

parts **parameter**

element **csta:AlternateCallResponse**

source

```
<message name="alternateCallResponse">
  <part name="parameter" element="csta:AlternateCallResponse"/>
</message>
```

message **answerCall**

parts **parameter**

element **csta:AnswerCall**

source

```
<message name="answerCall">
 <part name="parameter" element="csta:AnswerCall"/>
</message>
```

message **answerCallResponse**

parts **parameter**

element **csta:AnswerCallResponse**

source

```
<message name="answerCallResponse">
 <part name="parameter" element="csta:AnswerCallResponse"/>
</message>
```

message **callBack**

parts **parameter**

element **csta:CallBack**

source

```
<message name="callBack">
 <part name="parameter" element="csta:CallBack"/>
</message>
```

message **callBackResponse**

parts **parameter**

element **csta:CallBackResponse**

source

```
<message name="callBackResponse">
 <part name="parameter" element="csta:CallBackResponse"/>
</message>
```

message **callBackMessage**

parts **parameter**

element **csta:CallBackMessage**

source

```
<message name="callBackMessage">
 <part name="parameter" element="csta:CallBackMessage"/>
</message>
```

message **callBackMessageResponse**

parts **parameter**

element **csta:CallBackMessageResponse**

source

```
<message name="callBackMessageResponse">
  <part name="parameter" element="csta:CallBackMessageResponse"/>
</message>
```

message **camponCall**

parts **parameter**

element **csta:CamponCall**

source

```
<message name="camponCall">
  <part name="parameter" element="csta:CamponCall"/>
</message>
```

message **camponCallResponse**

parts **parameter**

element **csta:CamponCallResponse**

source

```
<message name="camponCallResponse">
  <part name="parameter" element="csta:CamponCallResponse"/>
</message>
```

message **clearCall**

parts **parameter**

element **csta:ClearCall**

source

```
<message name="clearCall">
  <part name="parameter" element="csta:ClearCall"/>
</message>
```

message **clearCallResponse**

parts **parameter**

element **csta:ClearCallResponse**

source

```
<message name="clearCallResponse">
  <part name="parameter" element="csta:ClearCallResponse"/>
</message>
```

message **clearConnection**

parts **parameter**

element **csta:ClearConnection**

source
```
<message name="clearConnection">
  <part name="parameter" element="csta:ClearConnection"/>
</message>
```

message **clearConnectionResponse**

parts **parameter**

element **csta:ClearConnectionResponse**

source
```
<message name="clearConnectionResponse">
  <part name="parameter" element="csta:ClearConnectionResponse"/>
</message>
```

message **conferenceCall**

parts **parameter**

element **csta:ConferenceCall**

source
```
<message name="conferenceCall">
  <part name="parameter" element="csta:ConferenceCall"/>
</message>
```

message **conferenceCallResponse**

parts **parameter**

element **csta:ConferenceCallResponse**

source
```
<message name="conferenceCallResponse">
  <part name="parameter" element="csta:ConferenceCallResponse"/>
</message>
```

message **consultationCall**

parts **parameter**

element **csta:ConsultationCall**

source
```
<message name="consultationCall">
  <part name="parameter" element="csta:ConsultationCall"/>
</message>
```

message **consultationCallResponse**

parts

parameter

element **csta:ConsultationCallResponse**

source

```
<message name="consultationCallResponse">
  <part name="parameter" element="csta:ConsultationCallResponse"/>
</message>
```

message **deflectCall**

parts

parameter

element **csta:DeflectCall**

source

```
<message name="deflectCall">
  <part name="parameter" element="csta:DeflectCall"/>
</message>
```

message **deflectCallResponse**

parts

parameter

element **csta:DeflectCallResponse**

source

```
<message name="deflectCallResponse">
  <part name="parameter" element="csta:DeflectCallResponse"/>
</message>
```

message **dialDigits**

parts

parameter

element **csta:DialDigits**

source

```
<message name="dialDigits">
  <part name="parameter" element="csta:DialDigits"/>
</message>
```

message **dialDigitsResponse**

parts

parameter

element **csta:DialDigitsResponse**

source

```
<message name="dialDigitsResponse">
  <part name="parameter" element="csta:DialDigitsResponse"/>
</message>
```

message **directedPickupCall**

parts **parameter**

element **csta:DirectedPickupCall**

source

```
<message name="directedPickupCall">
  <part name="parameter" element="csta:DirectedPickupCall"/>
</message>
```

message **directedPickupCallResponse**

parts **parameter**

element **csta:DirectedPickupCallResponse**

source

```
<message name="directedPickupCallResponse">
  <part name="parameter" element="csta:DirectedPickupCallResponse"/>
</message>
```

message **groupPickupCall**

parts **parameter**

element **csta:GroupPickupCall**

source

```
<message name="groupPickupCall">
  <part name="parameter" element="csta:GroupPickupCall"/>
</message>
```

message **groupPickupCallResponse**

parts **parameter**

element **csta:GroupPickupCallResponse**

source

```
<message name="groupPickupCallResponse">
  <part name="parameter" element="csta:GroupPickupCallResponse"/>
</message>
```

message **holdCall**

parts **parameter**

element **csta:HoldCall**

source

```
<message name="holdCall">
  <part name="parameter" element="csta:HoldCall"/>
</message>
```

message holdCallResponse

parts **parameter**

element **csta:HoldCallResponse**

source

```
<message name="holdCallResponse">
  <part name="parameter" element="csta:HoldCallResponse"/>
</message>
```

message intrudeCall

parts **parameter**

element **csta:IntrudeCall**

source

```
<message name="intrudeCall">
  <part name="parameter" element="csta:IntrudeCall"/>
</message>
```

message intrudeCallResponse

parts **parameter**

element **csta:IntrudeCallResponse**

source

```
<message name="intrudeCallResponse">
  <part name="parameter" element="csta:IntrudeCallResponse"/>
</message>
```

message joinCall

parts **parameter**

element **csta:JoinCall**

source

```
<message name="joinCall">
  <part name="parameter" element="csta:JoinCall"/>
</message>
```

message joinCallResponse

parts **parameter**

element **csta:JoinCallResponse**

source

```
<message name="joinCallResponse">
  <part name="parameter" element="csta:JoinCallResponse"/>
</message>
```

message **makeCall**

parts **parameter**

element **csta:MakeCall**

source

```xml
<message name="makeCall">
  <part name="parameter" element="csta:MakeCall"/>
</message>
```

message **makeCallResponse**

parts **parameter**

element **csta:MakeCallResponse**

source

```xml
<message name="makeCallResponse">
  <part name="parameter" element="csta:MakeCallResponse"/>
</message>
```

message **makeConnection**

parts **parameter**

element **csta:MakeConnection**

source

```xml
<message name="makeConnection">
  <part name="parameter" element="csta:MakeConnection"/>
</message>
```

message **makeConnectionResponse**

parts **parameter**

element **csta:MakeConnectionResponse**

source

```xml
<message name="makeConnectionResponse">
  <part name="parameter" element="csta:MakeConnectionResponse"/>
</message>
```

message **makePredictiveCall**

parts **parameter**

element **csta:MakePredictiveCall**

source

```xml
<message name="makePredictiveCall">
  <part name="parameter" element="csta:MakePredictiveCall"/>
</message>
```

message **makePredictiveCallResponse**

parts **parameter**

element **csta:MakePredictiveCallResponse**

source

```
<message name="makePredictiveCallResponse">
  <part name="parameter" element="csta:MakePredictiveCallResponse"/>
</message>
```

message **parkCall**

parts **parameter**

element **csta:ParkCall**

source

```
<message name="parkCall">
  <part name="parameter" element="csta:ParkCall"/>
</message>
```

message **parkCallResponse**

parts **parameter**

element **csta:ParkCallResponse**

source

```
<message name="parkCallResponse">
  <part name="parameter" element="csta:ParkCallResponse"/>
</message>
```

message **reconnectCall**

parts **parameter**

element **csta:ReconnectCall**

source

```
<message name="reconnectCall">
  <part name="parameter" element="csta:ReconnectCall"/>
</message>
```

message **reconnectCallResponse**

parts **parameter**

element **csta:ReconnectCallResponse**

source

```
<message name="reconnectCallResponse">
  <part name="parameter" element="csta:ReconnectCallResponse"/>
</message>
```

message **retrieveCall**

parts **parameter**

element **csta:RetrieveCall**

source
```
<message name="retrieveCall">
  <part name="parameter" element="csta:RetrieveCall"/>
</message>
```

message **retrieveCallResponse**

parts **parameter**

element **csta:RetrieveCallResponse**

source
```
<message name="retrieveCallResponse">
  <part name="parameter" element="csta:RetrieveCallResponse"/>
</message>
```

message **sendMessage**

parts **parameter**

element **csta:SendMessage**

source
```
<message name="sendMessage">
  <part name="parameter" element="csta:SendMessage"/>
</message>
```

message **sendMessageResponse**

parts **parameter**

element **csta:SendMessageResponse**

source
```
<message name="sendMessageResponse">
  <part name="parameter" element="csta:SendMessageResponse"/>
</message>
```

message **singleStepConferenceCall**

parts **parameter**

element **csta:SingleStepConferenceCall**

source
```
<message name="singleStepConferenceCall">
  <part name="parameter" element="csta:SingleStepConferenceCall"/>
</message>
```

message **singleStepConferenceCallResponse**

parts	**parameter** element **csta:SingleStepConferenceCallResponse**

source	`<message name="singleStepConferenceCallResponse">`
	`<part name="parameter" element="csta:SingleStepConferenceCallResponse"/>`
	`</message>`

message **singleStepTransferCall**

parts	**parameter** element **csta:SingleStepTransferCall**

source	`<message name="singleStepTransferCall">`
	`<part name="parameter" element="csta:SingleStepTransferCall"/>`
	`</message>`

message **singleStepTransferCallResponse**

parts	**parameter** element **csta:SingleStepTransferCallResponse**

source	`<message name="singleStepTransferCallResponse">`
	`<part name="parameter" element="csta:SingleStepTransferCallResponse"/>`
	`</message>`

message **transferCall**

parts	**parameter** element **csta:TransferCall**

source	`<message name="transferCall">`
	`<part name="parameter" element="csta:TransferCall"/>`
	`</message>`

message **transferCallResponse**

parts	**parameter** element **csta:TransferCallResponse**

source	`<message name="transferCallResponse">`
	`<part name="parameter" element="csta:TransferCallResponse"/>`
	`</message>`

message **bridgedEvent**

parts **parameter**

element **csta:BridgedEvent**

source

```
<message name="bridgedEvent">
  <part name="parameter" element="csta:BridgedEvent"/>
</message>
```

message **callClearedEvent**

parts **parameter**

element **csta:CallClearedEvent**

source

```
<message name="callClearedEvent">
  <part name="parameter" element="csta:CallClearedEvent"/>
</message>
```

message **conferencedEvent**

parts **parameter**

element **csta:ConferencedEvent**

source

```
<message name="conferencedEvent">
  <part name="parameter" element="csta:ConferencedEvent"/>
</message>
```

message **connectionClearedEvent**

parts **parameter**

element **csta:ConnectionClearedEvent**

source

```
<message name="connectionClearedEvent">
  <part name="parameter" element="csta:ConnectionClearedEvent"/>
</message>
```

message **deliveredEvent**

parts **parameter**

element **csta:DeliveredEvent**

source

```
<message name="deliveredEvent">
  <part name="parameter" element="csta:DeliveredEvent"/>
</message>
```

message **digitsDialedEvent**

parts **parameter**

element **csta:DigitsDialedEvent**

source

```
<message name="digitsDialedEvent">
 <part name="parameter" element="csta:DigitsDialedEvent"/>
</message>
```

message **divertedEvent**

parts **parameter**

element **csta:DivertedEvent**

source

```
<message name="divertedEvent">
 <part name="parameter" element="csta:DivertedEvent"/>
</message>
```

message **establishedEvent**

parts **parameter**

element **csta:EstablishedEvent**

source

```
<message name="establishedEvent">
 <part name="parameter" element="csta:EstablishedEvent"/>
</message>
```

message **failedEvent**

parts **parameter**

element **csta:FailedEvent**

source

```
<message name="failedEvent">
 <part name="parameter" element="csta:FailedEvent"/>
</message>
```

message **heldEvent**

parts **parameter**

element **csta:HeldEvent**

source

```
<message name="heldEvent">
 <part name="parameter" element="csta:HeldEvent"/>
</message>
```

message **networkCapabilitiesChangedEvent**

parts **parameter**

element **csta:NetworkCapabilitiesChangedEvent**

source

```
<message name="networkCapabilitiesChangedEvent">
  <part name="parameter" element="csta:NetworkCapabilitiesChangedEvent"/>
</message>
```

message **networkReachedEvent**

parts **parameter**

element **csta:NetworkReachedEvent**

source

```
<message name="networkReachedEvent">
  <part name="parameter" element="csta:NetworkReachedEvent"/>
</message>
```

message **offeredEvent**

parts **parameter**

element **csta:OfferedEvent**

source

```
<message name="offeredEvent">
  <part name="parameter" element="csta:OfferedEvent"/>
</message>
```

message **originatedEvent**

parts **parameter**

element **csta:OriginatedEvent**

source

```
<message name="originatedEvent">
  <part name="parameter" element="csta:OriginatedEvent"/>
</message>
```

message **queuedEvent**

parts **parameter**

element **csta:QueuedEvent**

source

```
<message name="queuedEvent">
  <part name="parameter" element="csta:QueuedEvent"/>
</message>
```

message **retrievedEvent**

parts **parameter**

element **csta:RetrievedEvent**

source

```
<message name="retrievedEvent">
  <part name="parameter" element="csta:RetrievedEvent"/>
</message>
```

message **serviceInitiatedEvent**

parts **parameter**

element **csta:ServiceInitiatedEvent**

source

```
<message name="serviceInitiatedEvent">
  <part name="parameter" element="csta:ServiceInitiatedEvent"/>
</message>
```

message **transferedEvent**

parts **parameter**

element **csta:TransferedEvent**

source

```
<message name="transferedEvent">
  <part name="parameter" element="csta:TransferedEvent"/>
</message>
```

11.2 Operations

operations

CSTA-Accept-Call

input	tns:acceptCall
output	tns:acceptCallResponse
fault	tns:negResponse

CSTA-Alternate-Call

input	tns:alternateCall
output	tns:alternateCallResponse
fault	tns:negResponse

CSTA-Answer-Call

input	tns:answerCall
output	tns:answerCallResponse
fault	tns:negResponse

CSTA-Call-Back-Call-Related

input	tns:callBack
output	tns:callBackResponse
fault	tns:negResponse

CSTA-Call-Back-Message-Call-Related

input	tns:callBackMessage
output	tns:callBackMessageResponse
fault	tns:negResponse

CSTA-Camp-On-Call

input	tns:camponCall
output	tns:camponCallResponse
fault	tns:negResponse

CSTA-Clear-Call

input	tns:clearCall
output	tns:clearCallResponse
fault	tns:negResponse

CSTA-Clear-Connection

input	tns:clearConnection
output	tns:clearConnectionResponse
fault	tns:negResponse

CSTA-Conference-Call

input	tns:conferenceCall
output	tns:conferenceCallResponse
fault	tns:negResponse

CSTA-Consultation-Call

input	tns:consultationCall
output	tns:consultationCallResponse
fault	tns:negResponse

CSTA-Deflect-Call

input	tns:deflectCall
output	tns:deflectCallResponse
fault	tns:negResponse

CSTA-Dial-Digits-Call

input	tns:dialDigits
output	tns:dialDigitsResponse
fault	tns:negResponse

CSTA-Directed-Pickup-Call

input	tns:directedPickupCall
output	tns:directedPickupCallResponse
fault	tns:negResponse

CSTA-Group-Pickup-Call

input	tns:groupPickupCall
output	tns:groupPickupCallResponse
fault	tns:negResponse

CSTA-Hold-Call

input	tns:holdCall
output	tns:holdCallResponse
fault	tns:negResponse

CSTA-Intrude-Call

input	tns:intrudeCall
output	tns:intrudeCallResponse
fault	tns:negResponse

CSTA-Join-Call

input	tns:joinCall
output	tns:joinCallResponse
fault	tns:negResponse

CSTA-Make-Call

input	tns:makeCall
output	tns:makeCallResponse
fault	tns:negResponse

CSTA-Make-Connection

input	tns:makeConnection
output	tns:makeConnectionResponse
fault	tns:negResponse

CSTA-Park-Call

input	tns:parkCall
output	tns:parkCallResponse
fault	tns:negResponse

CSTA-Reconnect-Call

input	tns:reconnectCall
output	tns:reconnectCallResponse
fault	tns:negResponse

CSTA-Retrieve-Call

input	tns:retrieveCall
output	tns:retrieveCallResponse
fault	tns:negResponse

CSTA-Send-Message

input	tns:sendMessage
output	tns:sendMessageResponse
fault	tns:negResponse

CSTA-Single-Step-Conference-Call

input	tns:singleStepConferenceCall
output	tns:singleStepConferenceCallResponse
fault	tns:negResponse

CSTA-Single-Step-Transfer-Call

input	tns:singleStepTransferCall
output	tns:singleStepTransferCallResponse
fault	tns:negResponse

CSTA-Transfer-Call

input	tns:transferCall
output	tns:transferCallResponse
fault	tns:negResponse

CSTA-Bridged-event

input tns:bridgedEvent

CSTA-Call-Cleared-event

input tns:callClearedEvent

CSTA-Conferenced-event

input tns:conferencedEvent

CSTA-Connection-Cleared-event

input tns:connectionClearedEvent

CSTA-Delivered-event

input tns:deliveredEvent

CSTA-Digits-Dialed-event

input tns:digitsDialedEvent

CSTA-Diverted-event

input tns:divertedEvent

CSTA-Established-event

input tns:establishedEvent

CSTA-Failed-event

input tns:failedEvent

CSTA-Held-event

input tns:heldEvent

CSTA-Network-Capabilities-Changed-event

input tns:networkCapabilitiesChangedEvent

CSTA-Network-Reached-event

input tns:networkReachedEvent

CSTA-Offered-event

input tns:offeredEvent

CSTA-Originated-event

input tns:originatedEvent

CSTA-Queued-event

input tns:queuedEvent

CSTA-Retrieved-event

input tns:retrievedEvent

CSTA-Service-Initiated-event

input tns:serviceInitiatedEvent

CSTA-Transferred-event

input tns:transferedEvent

source

```
<operation name="CSTA-Accept-Call">
  <input message="tns:acceptCall"/>
  <output message="tns:acceptCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Alternate-Call">
  <input message="tns:alternateCall"/>
  <output message="tns:alternateCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Answer-Call">
  <input message="tns:answerCall"/>
  <output message="tns:answerCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Call-Back-Call-Related">
  <input message="tns:callBack"/>
  <output message="tns:callBackResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Call-Back-Message-Call-Related">
  <input message="tns:callBackMessage"/>
  <output message="tns:callBackMessageResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Camp-On-Call">
  <input message="tns:camponCall"/>
  <output message="tns:camponCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Clear-Call">
  <input message="tns:clearCall"/>
  <output message="tns:clearCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
```

```
    </operation>
    <operation name="CSTA-Clear-Connection">
      <input message="tns:clearConnection"/>
      <output message="tns:clearConnectionResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Conference-Call">
      <input message="tns:conferenceCall"/>
      <output message="tns:conferenceCallResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Consultation-Call">
      <input message="tns:consultationCall"/>
      <output message="tns:consultationCallResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Deflect-Call">
      <input message="tns:deflectCall"/>
      <output message="tns:deflectCallResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Dial-Digits-Call">
      <input message="tns:dialDigits"/>
      <output message="tns:dialDigitsResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Directed-Pickup-Call">
      <input message="tns:directedPickupCall"/>
      <output message="tns:directedPickupCallResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Group-Pickup-Call">
      <input message="tns:groupPickupCall"/>
      <output message="tns:groupPickupCallResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Hold-Call">
      <input message="tns:holdCall"/>
      <output message="tns:holdCallResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Intrude-Call">
      <input message="tns:intrudeCall"/>
      <output message="tns:intrudeCallResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
```

```
  </operation>
  <operation name="CSTA-Join-Call">
    <input message="tns:joinCall"/>
    <output message="tns:joinCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Make-Call">
    <input message="tns:makeCall"/>
    <output message="tns:makeCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
   <operation name="CSTA-Make-Connection">
    <input message="tns:makeConnection"/>
    <output message="tns:makeConnectionResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
 <operation name="CSTA-Make-Predictive-Call">
    <input message="tns:makePredictiveCall"/>
    <output message="tns:makePredictiveCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Park-Call">
    <input message="tns:parkCall"/>
    <output message="tns:parkCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Reconnect-Call">
    <input message="tns:reconnectCall"/>
    <output message="tns:reconnectCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Retrieve-Call">
    <input message="tns:retrieveCall"/>
    <output message="tns:retrieveCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Send-Message">
    <input message="tns:sendMessage"/>
    <output message="tns:sendMessageResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Single-Step-Conference-Call">
    <input message="tns:singleStepConferenceCall"/>
    <output message="tns:singleStepConferenceCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
```

```
</operation>
<operation name="CSTA-Single-Step-Transfer-Call">
  <input message="tns:singleStepTransferCall"/>
  <output message="tns:singleStepTransferCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Transfer-Call">
  <input message="tns:transferCall"/>
  <output message="tns:transferCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Bridged-event">
  <input message="tns:bridgedEvent"/>
</operation>
<operation name="CSTA-Call-Cleared-event">
  <input message="tns:callClearedEvent"/>
</operation>
<operation name="CSTA-Conferenced-event">
  <input message="tns:conferencedEvent"/>
</operation>
<operation name="CSTA-Connection-Cleared-event">
  <input message="tns:connectionClearedEvent"/>
</operation>
<operation name="CSTA-Delivered-event">
  <input message="tns:deliveredEvent"/>
</operation>
<operation name="CSTA-Digits-Dialed-event">
  <input message="tns:digitsDialedEvent"/>
</operation>
<operation name="CSTA-Diverted-event">
  <input message="tns:divertedEvent"/>
</operation>
<operation name="CSTA-Established-event">
  <input message="tns:establishedEvent"/>
</operation>
<operation name="CSTA-Failed-event">
  <input message="tns:failedEvent"/>
</operation>
<operation name="CSTA-Held-event">
  <input message="tns:heldEvent"/>
</operation>
<operation name="CSTA-Network-Capabilities-Changed-event">
  <input message="tns:networkCapabilitiesChangedEvent"/>
</operation>
<operation name="CSTA-Network-Reached-event">
```

```
  <input message="tns:networkReachedEvent"/>
</operation>
<operation name="CSTA-Offered-event">
  <input message="tns:offeredEvent"/>
</operation>
<operation name="CSTA-Originated-event">
  <input message="tns:originatedEvent"/>
</operation>
<operation name="CSTA-Queued-event">
  <input message="tns:queuedEvent"/>
</operation>
<operation name="CSTA-Retrieved-event">
  <input message="tns:retrievedEvent"/>
</operation>
<operation name="CSTA-Service-Initiated-event">
  <input message="tns:serviceInitiatedEvent"/>
</operation>
<operation name="CSTA-Transferred-event">
  <input message="tns:transferedEvent"/>
</operation>
```

12 Call Associated Features - Messages and Operations

This Clause specifies the WSDL messages and operations for the call associated features.

12.1 Messages

message **associateData**

parts **parameter**

element **csta:AssociateData**

source

```
<message name="associateData">
  <part name="parameter" element="csta:AssociateData"/>
</message>
```

message **associateDataResponse**

parts **parameter**

element **csta:AssociateDataResponse**

source

```
<message name="associateDataResponse">
  <part name="parameter" element="csta:AssociateDataResponse"/>
</message>
```

message **cancelTelephonyTones**

parts **parameter**

element **csta:CancelTelephonyTones**

source

```
<message name="cancelTelephonyTones">
  <part name="parameter" element="csta:CancelTelephonyTones"/>
</message>
```

message **cancelTelephonyTonesResponse**

parts **parameter**

element **csta:CancelTelephonyTonesResponse**

source

```
<message name="cancelTelephonyTonesResponse">
  <part name="parameter" element="csta:CancelTelephonyTonesResponse"/>
</message>
```

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message **changeConnectionInformation**

parts **parameter**

element **csta:ChangeConnectionInformation**

source

```
<message name="changeConnectionInformation">
  <part name="parameter" element="csta:ChangeConnectionInformation"/>
</message>
```

message **changeConnectionInformationResponse**

parts **parameter**

element **csta:ChangeConnectionInformationResponse**

source

```
<message name="changeConnectionInformationResponse">
  <part name="parameter" element="csta:ChangeConnectionInformationResponse"/>
</message>
```

message **generateDigits**

parts **parameter**

element **csta:GenerateDigits**

source

```
<message name="generateDigits">
  <part name="parameter" element="csta:GenerateDigits"/>
</message>
```

message **generateDigitsResponse**

parts **parameter**

element **csta:GenerateDigitsResponse**

source

```
<message name="generateDigitsResponse">
  <part name="parameter" element="csta:GenerateDigitsResponse"/>
</message>
```

message **generateTelephonyTones**

parts **parameter**

element **csta:GenerateTelephonyTones**

source

```
<message name="generateTelephonyTones">
  <part name="parameter" element="csta:GenerateTelephonyTones"/>
</message>
```

message **generateTelephonyTonesResponse**

parts **parameter**

element **csta:GenerateTelephonyTonesResponse**

source

```
<message name="generateTelephonyTonesResponse">
  <part name="parameter" element="csta:GenerateTelephonyTonesResponse"/>
</message>
```

message **sendUserInformation**

parts **parameter**

element **csta:SendUserInformation**

source

```
<message name="sendUserInformation">
  <part name="parameter" element="csta:SendUserInformation"/>
</message>
```

message **sendUserInformationResponse**

parts **parameter**

element **csta:SendUserInformationResponse**

source

```
<message name="sendUserInformationResponse">
  <part name="parameter" element="csta:SendUserInformationResponse"/>
</message>
```

message **callInformationEvent**

parts **parameter**

element **csta:CallInformationEvent**

source

```
<message name="callInformationEvent">
  <part name="parameter" element="csta:CallInformationEvent"/>
</message>
```

message **chargingEvent**

parts **parameter**

element **csta:ChargingEvent**

source

```
<message name="chargingEvent">
  <part name="parameter" element="csta:ChargingEvent"/>
</message>
```

message **digitsGeneratedEvent**

parts **parameter**

element **csta:DigitsGeneratedEvent**

source

```
<message name="digitsGeneratedEvent">
  <part name="parameter" element="csta:DigitsGeneratedEvent"/>
</message>
```

message **telephonyTonesGeneratedEvent**

parts **parameter**

element **csta:TelephonyTonesGeneratedEvent**

source

```
<message name="telephonyTonesGeneratedEvent">
  <part name="parameter" element="csta:TelephonyTonesGeneratedEvent"/>
</message>
```

message **serviceCompletionFailureEvent**

parts **parameter**

element **csta:ServiceCompletionFailureEvent**

source

```
<message name="serviceCompletionFailureEvent">
  <part name="parameter" element="csta:ServiceCompletionFailureEvent"/>
</message>
```

12.2 Operations

operations

CSTA-Associate-Data

input tns:associateData
output tns:associateDataResponse
fault tns:negResponse

CSTA-Cancel-Telephony-Tones

input tns:cancelTelephonyTones
output tns:cancelTelephonyTonesResponse
fault tns:negResponse

CSTA-Change-Connection-Information

input tns:changeConnectionInformation
output tns:changeConnectionInformationResponse
fault tns:negResponse

CSTA-Generate-Digits

input tns:generateDigits
output tns:generateDigitsResponse
fault tns:negResponse

CSTA-Generate-Telephony-Tones

input tns:generateTelephonyTones
output tns:generateTelephonyTonesResponse
fault tns:negResponse

CSTA-Send-User-Information

input tns:sendUserInformation
output tns:sendUserInformationResponse
fault tns:negResponse

CSTA-Call-Information-event

input tns:callInformationEvent

CSTA-Charging-event

input tns:chargingEvent

CSTA-Digits-Generated-event

input tns:digitsGeneratedEvent

CSTA-Telephony-Tones-Generated-event

input tns:telephonyTonesGeneratedEvent

CSTA-Service-Completion-Failure-event

input tns:serviceCompletionFailureEvent

source

```
<operation name="CSTA-Associate-Data">
  <input message="tns:associateData"/>
  <output message="tns:associateDataResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Cancel-Telephony-Tones">
  <input message="tns:cancelTelephonyTones"/>
  <output message="tns:cancelTelephonyTonesResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Change-Connection-Information">
  <input message="tns:changeConnectionInformation"/>
  <output message="tns:changeConnectionInformationResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Generate-Digits">
  <input message="tns:generateDigits"/>
  <output message="tns:generateDigitsResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Generate-Telephony-Tones">
  <input message="tns:generateTelephonyTones"/>
  <output message="tns:generateTelephonyTonesResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Send-User-Information">
  <input message="tns:sendUserInformation"/>
  <output message="tns:sendUserInformationResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Call-Information-event">
  <input message="tns:callInformationEvent"/>
</operation>
<operation name="CSTA-Charging-event">
  <input message="tns:chargingEvent"/>
</operation>
<operation name="CSTA-Digits-Generated-event">
  <input message="tns:digitsGeneratedEvent"/>
</operation>
<operation name="CSTA-Telephony-Tones-Generated-event">
  <input message="tns:telephonyTonesGeneratedEvent"/>
</operation>
<operation name="CSTA-Service-Completion-Failure-event">
  <input message="tns:serviceCompletionFailureEvent"/>
</operation>
```

13 Media Attachment Features - Messages and Operations

This Clause specifies the WSDL messages and operations for the media attachment features.

13.1 Messages

message **attachMediaService**

parts **parameter**

element **csta:AttachMediaService**

source
```
<message name="attachMediaService">
  <part name="parameter" element="csta:AttachMediaService"/>
</message>
```

message **attachMediaServiceResponse**

parts **parameter**

element **csta:AttachMediaServiceResponse**

source
```
<message name="attachMediaServiceResponse">
  <part name="parameter" element="csta:AttachMediaServiceResponse"/>
</message>
```

message **detachMediaService**

parts **parameter**

element **csta:DetachMediaService**

source
```
<message name="detachMediaService">
  <part name="parameter" element="csta:DetachMediaService"/>
</message>
```

message **detachMediaServiceResponse**

parts **parameter**

element **csta:DetachMediaServiceResponse**

source
```
<message name="detachMediaServiceResponse">
  <part name="parameter" element="csta:DetachMediaServiceResponse"/>
</message>
```

message **mediaAttachedEvent**

parts **parameter**

element **csta:MediaAttachedEvent**

source

```
<message name="mediaAttachedEvent">
  <part name="parameter" element="csta:MediaAttachedEvent"/>
</message>
```

message **mediaDetachedEvent**

parts **parameter**

element **csta:MediaDetachedEvent**

source

```
<message name="mediaDetachedEvent">
  <part name="parameter" element="csta:MediaDetachedEvent"/>
</message>
```

13.2 Operations

operations

CSTA-Attach-Media-Service

input	tns:attachMediaService
output	tns:attachMediaServiceResponse
fault	tns:negResponse

CSTA-Detach-Media-Service

input	tns:detachMediaService
output	tns:detachMediaServiceResponse
fault	tns:negResponse

CSTA-Media-Attached-Event

input	tns:mediaAttachedEvent

CSTA-Media-Detached-Event

input	tns:mediaDetachedEvent

source

```
<operation name="CSTA-Attach-Media-Service">
  <input message="tns:attachMediaService"/>
  <output message="tns:attachMediaServiceResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Detach-Media-Service">
  <input message="tns:detachMediaService"/>
  <output message="tns:detachMediaServiceResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Media-Attached-Event">
  <input message="tns:mediaAttachedEvent"/>
</operation>
<operation name="CSTA-Media-Detached-Event">
  <input message="tns:mediaDetachedEvent"/>
</operation>
```

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14 Routeing Features - Messages and Operations

This Clause specifies the WSDL messages and operations for the routeing features.

14.1 Messages

message **routeRegister**

parts **parameter**

element **csta:RouteRegister**

source

```
<message name="routeRegister">
  <part name="parameter" element="csta:RouteRegister"/>
</message>
```

message **routeRegisterResponse**

parts **parameter**

element **csta:RouteRegisterResponse**

source

```
<message name="routeRegisterResponse">
  <part name="parameter" element="csta:RouteRegisterResponse"/>
</message>
```

message **routeRegisterAbort**

parts **parameter**

element **csta:RouteRegisterAbort**

source

```
<message name="routeRegisterAbort">
  <part name="parameter" element="csta:RouteRegisterAbort"/>
</message>
```

message **routeRegisterCancel**

parts **parameter**

element **csta:RouteRegisterCancel**

source

```
<message name="routeRegisterCancel">
  <part name="parameter" element="csta:RouteRegisterCancel"/>
</message>
```

message **routeRegisterCancelResponse**

parts **parameter**

element **csta:RouteRegisterCancelResponse**

source

```
<message name="routeRegisterCancelResponse">
  <part name="parameter" element="csta:RouteRegisterCancelResponse"/>
</message>
```

message **reRoute**

parts **parameter**

element **csta:ReRoute**

source

```
<message name="reRoute">
  <part name="parameter" element="csta:ReRoute"/>
</message>
```

message **routeEnd**

parts **parameter**

element **csta:RouteEnd**

source

```
<message name="routeEnd">
  <part name="parameter" element="csta:RouteEnd"/>
</message>
```

message **routeReject**

parts **parameter**

element **csta:RouteReject**

source

```
<message name="routeReject">
  <part name="parameter" element="csta:RouteReject"/>
</message>
```

message **routeRequest**

parts **parameter**

element **csta:RouteRequest**

source

```
<message name="routeRequest">
  <part name="parameter" element="csta:RouteRequest"/>
</message>
```

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message **routeSelect**

parts **parameter**

element **csta:RouteSelect**

source

```
<message name="routeSelect">
  <part name="parameter" element="csta:RouteSelect"/>
</message>
```

message **routeUsed**

parts **parameter**

element **csta:RouteUsed**

source

```
<message name="routeUsed">
  <part name="parameter" element="csta:RouteUsed"/>
</message>
```

14.2 Operations

operations

CSTA-Route-Register

input	tns:routeRegister
output	tns:routeRegisterResponse
fault	tns:negResponse

CSTA-Route-Register-Abort

input	tns:routeRegisterAbort

CSTA-Route-Register-Cancel

input	tns:routeRegisterCancel
output	tns:routeRegisterCancelResponse
fault	tns:negResponse

CSTA-Re-Route

input	tns:reRoute

CSTA-Route-End-as-input

input	tns:routeEnd

CSTA-Route-End-as-output

input	tns:routeEnd

CSTA-Route-Reject

input	tns:routeReject

CSTA-Route-Request

input	tns:routeRequest

CSTA-Route-Select

input	tns:routeSelect

CSTA-Route-Used

input	tns:routeUsed

source

```
<operation name="CSTA-Route-Register">
  <input message="tns:routeRegister"/>
  <output message="tns:routeRegisterResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Route-Register-Abort">
  <input message="tns:routeRegisterAbort"/>
</operation>
```

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```
<operation name="CSTA-Route-Register-Cancel">
  <input message="tns:routeRegisterCancel"/>
  <output message="tns:routeRegisterCancelResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Re-Route">
  <input message="tns:reRoute"/>
</operation>
<operation name="CSTA-Route-End-as-input">
  <input message="tns:routeEnd"/>
</operation>
<operation name="CSTA-Route-End-as-output">
  <input message="tns:routeEnd"/>
</operation>
<operation name="CSTA-Route-Reject">
  <input message="tns:routeReject"/>
</operation>
<operation name="CSTA-Route-Request">
  <input message="tns:routeRequest"/>
</operation>
<operation name="CSTA-Route-Select">
  <input message="tns:routeSelect"/>
</operation>
<operation name="CSTA-Route-Used">
  <input message="tns:routeUsed"/>
</operation>
```

15 Physical Device Features - Messages and Operations

This Clause specifies the WSDL messages and operations for the physical device features.

15.1 Messages

message **buttonPress**

parts **parameter**

element **csta:ButtonPress**

source
```
<message name="buttonPress">
  <part name="parameter" element="csta:ButtonPress"/>
</message>
```

message **buttonPressResponse**

parts **parameter**

element **csta:ButtonPressResponse**

source
```
<message name="buttonPressResponse">
  <part name="parameter" element="csta:ButtonPressResponse"/>
</message>
```

message **getAuditoryApparatusInformation**

parts **parameter**

element **csta:GetAuditoryApparatusInformation**

source
```
<message name="getAuditoryApparatusInformation">
  <part name="parameter" element="csta:GetAuditoryApparatusInformation"/>
</message>
```

message **getAuditoryApparatusInformationResponse**

parts **parameter**

element **csta:GetAuditoryApparatusInformationResponse**

source
```
<message name="getAuditoryApparatusInformationResponse">
  <part name="parameter" element="csta:GetAuditoryApparatusInformationResponse"/>
</message>
```

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message **getButtonInformation**

parts

parameter

element **csta:GetButtonInformation**

source

```
<message name="getButtonInformation">
  <part name="parameter" element="csta:GetButtonInformation"/>
</message>
```

message **getButtonInformationResponse**

parts

parameter

element **csta:GetButtonInformationResponse**

source

```
<message name="getButtonInformationResponse">
  <part name="parameter" element="csta:GetButtonInformationResponse"/>
</message>
```

message **getDisplay**

parts

parameter

element **csta:GetDisplay**

source

```
<message name="getDisplay">
  <part name="parameter" element="csta:GetDisplay"/>
</message>
```

message **getDisplayResponse**

parts

parameter

element **csta:GetDisplayResponse**

source

```
<message name="getDisplayResponse">
  <part name="parameter" element="csta:GetDisplayResponse"/>
</message>
```

message **getHookswitchStatus**

parts

parameter

element **csta:GetHookswitchStatus**

source

```
<message name="getHookswitchStatus">
  <part name="parameter" element="csta:GetHookswitchStatus"/>
</message>
```

message **getHookswitchStatusResponse**

parts **parameter**

element **csta:GetHookswitchStatusResponse**

source

```
<message name="getHookswitchStatusResponse">
  <part name="parameter" element="csta:GetHookswitchStatusResponse"/>
</message>
```

message **getLampInformation**

parts **parameter**

element **csta:GetLampInformation**

source

```
<message name="getLampInformation">
  <part name="parameter" element="csta:GetLampInformation"/>
</message>
```

message **getLampInformationResponse**

parts **parameter**

element **csta:GetLampInformationResponse**

source

```
<message name="getLampInformationResponse">
  <part name="parameter" element="csta:GetLampInformationResponse"/>
</message>
```

message **getLampMode**

parts **parameter**

element **csta:GetLampMode**

source

```
<message name="getLampMode">
  <part name="parameter" element="csta:GetLampMode"/>
</message>
```

message **getLampModeResponse**

parts **parameter**

element **csta:GetLampModeResponse**

source

```
<message name="getLampModeResponse">
  <part name="parameter" element="csta:GetLampModeResponse"/>
</message>
```

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message **getMessageWaitingIndicator**

parts

parameter

element **csta:GetMessageWaitingIndicator**

source

```
<message name="getMessageWaitingIndicator">
  <part name="parameter" element="csta:GetMessageWaitingIndicator"/>
</message>
```

message **getMessageWaitingIndicatorResponse**

parts

parameter

element **csta:GetMessageWaitingIndicatorResponse**

source

```
<message name="getMessageWaitingIndicatorResponse">
  <part name="parameter" element="csta:GetMessageWaitingIndicatorResponse"/>
</message>
```

message **getMicrophoneGain**

parts

parameter

element **csta:GetMicrophoneGain**

source

```
<message name="getMicrophoneGain">
  <part name="parameter" element="csta:GetMicrophoneGain"/>
</message>
```

message **getMicrophoneGainResponse**

parts

parameter

element **csta:GetMicrophoneGainResponse**

source

```
<message name="getMicrophoneGainResponse">
  <part name="parameter" element="csta:GetMicrophoneGainResponse"/>
</message>
```

message **getMicrophoneMute**

parts

parameter

element **csta:GetMicrophoneMute**

source

```
<message name="getMicrophoneMute">
  <part name="parameter" element="csta:GetMicrophoneMute"/>
</message>
```

message **getMicrophoneMuteResponse**

parts **parameter**

element **csta:GetMicrophoneMuteResponse**

source

```
<message name="getMicrophoneMuteResponse">
  <part name="parameter" element="csta:GetMicrophoneMuteResponse"/>
</message>
```

message **getRingerStatus**

parts **parameter**

element **csta:GetRingerStatus**

source

```
<message name="getRingerStatus">
  <part name="parameter" element="csta:GetRingerStatus"/>
</message>
```

message **getRingerStatusResponse**

parts **parameter**

element **csta:GetRingerStatusResponse**

source

```
<message name="getRingerStatusResponse">
  <part name="parameter" element="csta:GetRingerStatusResponse"/>
</message>
```

message **getSpeakerMute**

parts **parameter**

element **csta:GetSpeakerMute**

source

```
<message name="getSpeakerMute">
  <part name="parameter" element="csta:GetSpeakerMute"/>
</message>
```

message **getSpeakerMuteResponse**

parts **parameter**

element **csta:GetSpeakerMuteResponse**

source

```
<message name="getSpeakerMuteResponse">
  <part name="parameter" element="csta:GetSpeakerMuteResponse"/>
</message>
```

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message **getSpeakerVolume**

parts **parameter**

element **csta:GetSpeakerVolume**

source

```
<message name="getSpeakerVolume">
  <part name="parameter" element="csta:GetSpeakerVolume"/>
</message>
```

message **getSpeakerVolumeResponse**

parts **parameter**

element **csta:GetSpeakerVolumeResponse**

source

```
<message name="getSpeakerVolumeResponse">
  <part name="parameter" element="csta:GetSpeakerVolumeResponse"/>
</message>
```

message **setButtonInformation**

parts **parameter**

element **csta:SetButtonInformation**

source

```
<message name="setButtonInformation">
  <part name="parameter" element="csta:SetButtonInformation"/>
</message>
```

message **setButtonInformationResponse**

parts **parameter**

element **csta:SetButtonInformationResponse**

source

```
<message name="setButtonInformationResponse">
  <part name="parameter" element="csta:SetButtonInformationResponse"/>
</message>
```

message **setDisplay**

parts **parameter**

element **csta:SetDisplay**

source

```
<message name="setDisplay">
  <part name="parameter" element="csta:SetDisplay"/>
</message>
```

message **setDisplayResponse**

parts

parameter

element **csta:SetDisplayResponse**

source

```
<message name="setDisplayResponse">
  <part name="parameter" element="csta:SetDisplayResponse"/>
</message>
```

message **setHookswitchStatus**

parts

parameter

element **csta:SetHookswitchStatus**

source

```
<message name="setHookswitchStatus">
  <part name="parameter" element="csta:SetHookswitchStatus"/>
</message>
```

message **setHookswitchStatusResponse**

parts

parameter

element **csta:SetHookswitchStatusResponse**

source

```
<message name="setHookswitchStatusResponse">
  <part name="parameter" element="csta:SetHookswitchStatusResponse"/>
</message>
```

message **setLampMode**

parts

parameter

element **csta:SetLampMode**

source

```
<message name="setLampMode">
  <part name="parameter" element="csta:SetLampMode"/>
</message>
```

message **setLampModeResponse**

parts

parameter

element **csta:SetLampModeResponse**

source

```
<message name="setLampModeResponse">
  <part name="parameter" element="csta:SetLampModeResponse"/>
</message>
```

message **setMessageWaitingIndicator**

parts **parameter**

element **csta:SetMessageWaitingIndicator**

source

```
<message name="setMessageWaitingIndicator">
  <part name="parameter" element="csta:SetMessageWaitingIndicator"/>
</message>
```

message **setMessageWaitingIndicatorResponse**

parts **parameter**

element **csta:SetMessageWaitingIndicatorResponse**

source

```
<message name="setMessageWaitingIndicatorResponse">
  <part name="parameter" element="csta:SetMessageWaitingIndicatorResponse"/>
</message>
```

message **setMicrophoneGain**

parts **parameter**

element **csta:SetMicrophoneGain**

source

```
<message name="setMicrophoneGain">
  <part name="parameter" element="csta:SetMicrophoneGain"/>
</message>
```

message **setMicrophoneGainResponse**

parts **parameter**

element **csta:SetMicrophoneGainResponse**

source

```
<message name="setMicrophoneGainResponse">
  <part name="parameter" element="csta:SetMicrophoneGainResponse"/>
</message>
```

message **setMicrophoneMute**

parts **parameter**

element **csta:SetMicrophoneMute**

source

```
<message name="setMicrophoneMute">
  <part name="parameter" element="csta:SetMicrophoneMute"/>
</message>
```

message **setMicrophoneMuteResponse**

parts **parameter**

element **csta:SetMicrophoneMuteResponse**

source

```
<message name="setMicrophoneMuteResponse">
  <part name="parameter" element="csta:SetMicrophoneMuteResponse"/>
</message>
```

message **setRingerStatus**

parts **parameter**

element **csta:SetRingerStatus**

source

```
<message name="setRingerStatus">
  <part name="parameter" element="csta:SetRingerStatus"/>
</message>
```

message **setRingerStatusResponse**

parts **parameter**

element **csta:SetRingerStatusResponse**

source

```
<message name="setRingerStatusResponse">
  <part name="parameter" element="csta:SetRingerStatusResponse"/>
</message>
```

message **setSpeakerMute**

parts **parameter**

element **csta:SetSpeakerMute**

source

```
<message name="setSpeakerMute">
  <part name="parameter" element="csta:SetSpeakerMute"/>
</message>
```

message **setSpeakerMuteResponse**

parts **parameter**

element **csta:SetSpeakerMuteResponse**

source

```
<message name="setSpeakerMuteResponse">
  <part name="parameter" element="csta:SetSpeakerMuteResponse"/>
</message>
```

message **setSpeakerVolume**

parts **parameter**

element **csta:SetSpeakerVolume**

source

```
<message name="setSpeakerVolume">
  <part name="parameter" element="csta:SetSpeakerVolume"/>
</message>
```

message **setSpeakerVolumeResponse**

parts **parameter**

element **csta:SetSpeakerVolumeResponse**

source

```
<message name="setSpeakerVolumeResponse">
  <part name="parameter" element="csta:SetSpeakerVolumeResponse"/>
</message>
```

message **buttonInformationEvent**

parts **parameter**

element **csta:ButtonInformationEvent**

source

```
<message name="buttonInformationEvent">
  <part name="parameter" element="csta:ButtonInformationEvent"/>
</message>
```

message **buttonPressEvent**

parts **parameter**

element **csta:ButtonPressEvent**

source

```
<message name="buttonPressEvent">
  <part name="parameter" element="csta:ButtonPressEvent"/>
</message>
```

message **displayUpdatedEvent**

parts **parameter**

element **csta:DisplayUpdatedEvent**

source

```
<message name="displayUpdatedEvent">
  <part name="parameter" element="csta:DisplayUpdatedEvent"/>
</message>
```

message **hookswitchEvent**

parts **parameter**

element **csta:HookswitchEvent**

source

```
<message name="hookswitchEvent">
  <part name="parameter" element="csta:HookswitchEvent"/>
</message>
```

message **lampModeEvent**

parts **parameter**

element **csta:LampModeEvent**

source

```
<message name="lampModeEvent">
  <part name="parameter" element="csta:LampModeEvent"/>
</message>
```

message **messageWaitingEvent**

parts **parameter**

element **csta:MessageWaitingEvent**

source

```
<message name="messageWaitingEvent">
  <part name="parameter" element="csta:MessageWaitingEvent"/>
</message>
```

message **microphoneGainEvent**

parts **parameter**

element **csta:MicrophoneGainEvent**

source

```
<message name="microphoneGainEvent">
  <part name="parameter" element="csta:MicrophoneGainEvent"/>
</message>
```

message **microphoneMuteEvent**

parts **parameter**

element **csta:MicrophoneMuteEvent**

source

```
<message name="microphoneMuteEvent">
  <part name="parameter" element="csta:MicrophoneMuteEvent"/>
</message>
```

message **ringerStatusEvent**

parts	**parameter** element **csta:RingerStatusEvent**

source	`<message name="ringerStatusEvent">`
	`  <part name="parameter" element="csta:RingerStatusEvent"/>`
	`</message>`

message **speakerMuteEvent**

parts	**parameter** element **csta:SpeakerMuteEvent**

source	`<message name="speakerMuteEvent">`
	`  <part name="parameter" element="csta:SpeakerMuteEvent"/>`
	`</message>`

message **speakerVolumeEvent**

parts	**parameter** element **csta:SpeakerVolumeEvent**

source	`<message name="speakerVolumeEvent">`
	`  <part name="parameter" element="csta:SpeakerVolumeEvent"/>`
	`</message>`

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15.2 Operations

operations

CSTA-Button-Press

input	tns:buttonPress
output	tns:buttonPressResponse
fault	tns:negResponse

CSTA-Get-Auditory-Apparatus-Information

input	tns:getAuditoryApparatusInformation
output	tns:getAuditoryApparatusInformationResponse
fault	tns:negResponse

CSTA-Get-Button-Information

input	tns:getButtonInformation
output	tns:getButtonInformationResponse
fault	tns:negResponse

CSTA-Get-Display

input	tns:getDisplay
output	tns:getDisplayResponse
fault	tns:negResponse

CSTA-Get-Hookswitch-Status

input	tns:getHookswitchStatus
output	tns:getHookswitchStatusResponse
fault	tns:negResponse

CSTA-Get-Lamp-Information

input	tns:getLampInformation
output	tns:getLampInformationResponse
fault	tns:negResponse

CSTA-Get-Lamp-Mode

input	tns:getLampMode
output	tns:getLampModeResponse
fault	tns:negResponse

CSTA-Get-Message-Waiting-Indicator

input	tns:getMessageWaitingIndicator
output	tns:getMessageWaitingIndicatorResponse
fault	tns:negResponse

CSTA-Get-Microphone-Gain

input	tns:getMicrophoneGain

output	tns:getMicrophoneGainResponse
fault	tns:negResponse

CSTA-Get-Microphone-Mute

input	tns:getMicrophoneMute
output	tns:getMicrophoneMuteResponse
fault	tns:negResponse

CSTA-Get-Ringer-Status

input	tns:getRingerStatus
output	tns:getRingerStatusResponse
fault	tns:negResponse

CSTA-Get-Speaker-Mute

input	tns:getSpeakerMute
output	tns:getSpeakerMuteResponse
fault	tns:negResponse

CSTA-Get-Speaker-Volume

input	tns:getSpeakerVolume
output	tns:getSpeakerVolumeResponse
fault	tns:negResponse

CSTA-Set-Button-Information

input	tns:setButtonInformation
output	tns:setButtonInformationResponse
fault	tns:negResponse

CSTA-Set-Display

input	tns:setDisplay
output	tns:setDisplayResponse
fault	tns:negResponse

CSTA-Set-Hookswitch-Status

input	tns:setHookswitchStatus
output	tns:setHookswitchStatusResponse
fault	tns:negResponse

CSTA-Set-Lamp-Mode

input	tns:setLampMode
output	tns:setLampModeResponse
fault	tns:negResponse

CSTA-Set-Message-Waiting-Indicator

input	tns:setMessageWaitingIndicator

output	tns:setMessageWaitingIndicatorResponse
fault	tns:negResponse

CSTA-Set-Microphone-Gain

input	tns:setMicrophoneGain
output	tns:setMicrophoneGainResponse
fault	tns:negResponse

CSTA-Set-Microphone-Mute

input	tns:setMicrophoneMute
output	tns:setMicrophoneMuteResponse
fault	tns:negResponse

CSTA-Set-Ringer-Status

input	tns:setRingerStatus
output	tns:setRingerStatusResponse
fault	tns:negResponse

CSTA-Set-Speaker-Mute

input	tns:setSpeakerMute
output	tns:setSpeakerMuteResponse
fault	tns:negResponse

CSTA-Set-Speaker-Volume

input	tns:setSpeakerVolume
output	tns:setSpeakerVolumeResponse
fault	tns:negResponse

CSTA-Button-Information-Event

input	tns:buttonInformationEvent

CSTA-Button-Press-Event

input	tns:buttonPressEvent

CSTA-Display-Updated-Event

input	tns:displayUpdatedEvent

CSTA-Hookswitch-Event

input	tns:hookswitchEvent

CSTA-Lamp-Mode-Event

input	tns:lampModeEvent

CSTA-Message-Waiting-Event

input **tns:messageWaitingEvent**

CSTA-Microphone-Gain-Event

input **tns:microphoneGainEvent**

CSTA-Microphone-Mute-Event

input **tns:microphoneMuteEvent**

CSTA-Ringer-Status-Event

input **tns:ringerStatusEvent**

CSTA-Speaker-Mute-Event

input **tns:speakerMuteEvent**

CSTA-Speaker-Volume-Event

input **tns:speakerVolumeEvent**

source

```
<operation name="CSTA-Button-Press">
  <input message="tns:buttonPress"/>
  <output message="tns:buttonPressResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Auditory-Apparatus-Information">
  <input message="tns:getAuditoryApparatusInformation"/>
  <output message="tns:getAuditoryApparatusInformationResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Button-Information">
  <input message="tns:getButtonInformation"/>
  <output message="tns:getButtonInformationResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Display">
  <input message="tns:getDisplay"/>
  <output message="tns:getDisplayResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Hookswitch-Status">
  <input message="tns:getHookswitchStatus"/>
  <output message="tns:getHookswitchStatusResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Lamp-Information">
  <input message="tns:getLampInformation"/>
  <output message="tns:getLampInformationResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Lamp-Mode">
  <input message="tns:getLampMode"/>
  <output message="tns:getLampModeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Message-Waiting-Indicator">
  <input message="tns:getMessageWaitingIndicator"/>
  <output message="tns:getMessageWaitingIndicatorResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Microphone-Gain">
  <input message="tns:getMicrophoneGain"/>
  <output message="tns:getMicrophoneGainResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Microphone-Mute">
  <input message="tns:getMicrophoneMute"/>
  <output message="tns:getMicrophoneMuteResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Ringer-Status">
  <input message="tns:getRingerStatus"/>
  <output message="tns:getRingerStatusResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Speaker-Mute">
  <input message="tns:getSpeakerMute"/>
  <output message="tns:getSpeakerMuteResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Speaker-Volume">
  <input message="tns:getSpeakerVolume"/>
  <output message="tns:getSpeakerVolumeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Button-Information">
  <input message="tns:setButtonInformation"/>
  <output message="tns:setButtonInformationResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Display">
  <input message="tns:setDisplay"/>
  <output message="tns:setDisplayResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Hookswitch-Status">
  <input message="tns:setHookswitchStatus"/>
  <output message="tns:setHookswitchStatusResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Lamp-Mode">
  <input message="tns:setLampMode"/>
  <output message="tns:setLampModeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Message-Waiting-Indicator">
  <input message="tns:setMessageWaitingIndicator"/>
  <output message="tns:setMessageWaitingIndicatorResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Microphone-Gain">
  <input message="tns:setMicrophoneGain"/>
  <output message="tns:setMicrophoneGainResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Microphone-Mute">
  <input message="tns:setMicrophoneMute"/>
  <output message="tns:setMicrophoneMuteResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Ringer-Status">
  <input message="tns:setRingerStatus"/>
  <output message="tns:setRingerStatusResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Speaker-Mute">
  <input message="tns:setSpeakerMute"/>
  <output message="tns:setSpeakerMuteResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Speaker-Volume">
  <input message="tns:setSpeakerVolume"/>
  <output message="tns:setSpeakerVolumeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Button-Information-Event">
  <input message="tns:buttonInformationEvent"/>
</operation>
```

```
<operation name="CSTA-Button-Press-Event">
  <input message="tns:buttonPressEvent"/>
</operation>
<operation name="CSTA-Display-Updated-Event">
  <input message="tns:displayUpdatedEvent"/>
</operation>
<operation name="CSTA-Hookswitch-Event">
  <input message="tns:hookswitchEvent"/>
</operation>
<operation name="CSTA-Lamp-Mode-Event">
  <input message="tns:lampModeEvent"/>
</operation>
<operation name="CSTA-Message-Waiting-Event">
  <input message="tns:messageWaitingEvent"/>
</operation>
<operation name="CSTA-Microphone-Gain-Event">
  <input message="tns:microphoneGainEvent"/>
</operation>
<operation name="CSTA-Microphone-Mute-Event">
  <input message="tns:microphoneMuteEvent"/>
</operation>
<operation name="CSTA-Ringer-Status-Event">
  <input message="tns:ringerStatusEvent"/>
</operation>
<operation name="CSTA-Speaker-Mute-Event">
  <input message="tns:speakerMuteEvent"/>
</operation>
<operation name="CSTA-Speaker-Volume-Event">
  <input message="tns:speakerVolumeEvent"/>
</operation>
```

16 Logical Device Features - Messages and Operations

This Clause specifies the WSDL messages and operations for the logical device features.

16.1 Messages

message **callBackMessageNonCallRelated**

parts **parameter**

element **csta:CallBackMessageNonCallRelated**

source

```
<message name="callBackMessageNonCallRelated">
  <part name="parameter" element="csta:CallBackMessageNonCallRelated"/>
</message>
```

message **callBackMessageNonCallRelatedResponse**

parts **parameter**

element **csta:CallBackMessageNonCallRelatedResponse**

source

```
<message name="callBackMessageNonCallRelatedResponse">
  <part name="parameter" element="csta:CallBackMessageNonCallRelatedResponse"/>
</message>
```

message **callBackNonCallRelated**

parts **parameter**

element **csta:CallBackNonCallRelated**

source

```
<message name="callBackNonCallRelated">
  <part name="parameter" element="csta:CallBackNonCallRelated"/>
</message>
```

message **callBackNonCallRelatedResponse**

parts **parameter**

element **csta:CallBackNonCallRelatedResponse**

source

```
<message name="callBackNonCallRelatedResponse">
  <part name="parameter" element="csta:CallBackNonCallRelatedResponse"/>
</message>
```

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message **cancelCallBack**

parts **parameter**

element **csta:CancelCallBack**

source

```
<message name="cancelCallBack">
 <part name="parameter" element="csta:CancelCallBack"/>
</message>
```

message **cancelCallBackResponse**

parts **parameter**

element **csta:CancelCallBackResponse**

source

```
<message name="cancelCallBackResponse">
 <part name="parameter" element="csta:CancelCallBackResponse"/>
</message>
```

message **cancelCallBackMessage**

parts **parameter**

element **csta:CancelCallBackMessage**

source

```
<message name="cancelCallBackMessage">
 <part name="parameter" element="csta:CancelCallBackMessage"/>
</message>
```

message **cancelCallBackMessageResponse**

parts **parameter**

element **csta:CancelCallBackMessageResponse**

source

```
<message name="cancelCallBackMessageResponse">
 <part name="parameter" element="csta:CancelCallBackMessageResponse"/>
</message>
```

message **getAgentState**

parts **parameter**

element **csta:GetAgentState**

source

```
<message name="getAgentState">
 <part name="parameter" element="csta:GetAgentState"/>
</message>
```

message **getAgentStateResponse**

parts **parameter**

element **csta:GetAgentStateResponse**

source

```
<message name="getAgentStateResponse">
  <part name="parameter" element="csta:GetAgentStateResponse"/>
</message>
```

message **getAutoAnswer**

parts **parameter**

element **csta:GetAutoAnswer**

source

```
<message name="getAutoAnswer">
  <part name="parameter" element="csta:GetAutoAnswer"/>
</message>
```

message **getAutoAnswerResponse**

parts **parameter**

element **csta:GetAutoAnswerResponse**

source

```
<message name="getAutoAnswerResponse">
  <part name="parameter" element="csta:GetAutoAnswerResponse"/>
</message>
```

message **getAutoWorkMode**

parts **parameter**

element **csta:GetAutoWorkMode**

source

```
<message name="getAutoWorkMode">
  <part name="parameter" element="csta:GetAutoWorkMode"/>
</message>
```

message **getAutoWorkModeResponse**

parts **parameter**

element **csta:GetAutoWorkModeResponse**

source

```
<message name="getAutoWorkModeResponse">
  <part name="parameter" element="csta:GetAutoWorkModeResponse"/>
</message>
```

message **getCallBack**

parts **parameter**

element **csta:GetCallBack**

source

```
<message name="getCallBack">
 <part name="parameter" element="csta:GetCallBack"/>
</message>
```

message **getCallBackResponse**

parts **parameter**

element **csta:GetCallBackResponse**

source

```
<message name="getCallBackResponse">
 <part name="parameter" element="csta:GetCallBackResponse"/>
</message>
```

message **getCallerIDStatus**

parts **parameter**

element **csta:GetCallerIDStatus**

source

```
<message name="getCallerIDStatus">
 <part name="parameter" element="csta:GetCallerIDStatus"/>
</message>
```

message **getCallerIDStatusResponse**

parts **parameter**

element **csta:GetCallerIDStatusResponse**

source

```
<message name="getCallerIDStatusResponse">
 <part name="parameter" element="csta:GetCallerIDStatusResponse"/>
</message>
```

message **getDoNotDisturb**

parts **parameter**

element **csta:GetDoNotDisturb**

source

```
<message name="getDoNotDisturb">
 <part name="parameter" element="csta:GetDoNotDisturb"/>
</message>
```

message **getDoNotDisturbResponse**

parts **parameter**

element **csta:GetDoNotDisturbResponse**

source

```
<message name="getDoNotDisturbResponse">
  <part name="parameter" element="csta:GetDoNotDisturbResponse"/>
</message>
```

message **getForwarding**

parts **parameter**

element **csta:GetForwarding**

source

```
<message name="getForwarding">
  <part name="parameter" element="csta:GetForwarding"/>
</message>
```

message **getForwardingResponse**

parts **parameter**

element **csta:GetForwardingResponse**

source

```
<message name="getForwardingResponse">
  <part name="parameter" element="csta:GetForwardingResponse"/>
</message>
```

message **getLastNumberDialed**

parts **parameter**

element **csta:GetLastNumberDialed**

source

```
<message name="getLastNumberDialed">
  <part name="parameter" element="csta:GetLastNumberDialed"/>
</message>
```

message **getLastNumberDialedResponse**

parts **parameter**

element **csta:GetLastNumberDialedResponse**

source

```
<message name="getLastNumberDialedResponse">
  <part name="parameter" element="csta:GetLastNumberDialedResponse"/>
</message>
```

message **getRouteingMode**

parts **parameter**

element **csta:GetRouteingMode**

source

```
<message name="getRouteingMode">
 <part name="parameter" element="csta:GetRouteingMode"/>
</message>
```

message **getRouteingModeResponse**

parts **parameter**

element **csta:GetRouteingModeResponse**

source

```
<message name="getRouteingModeResponse">
 <part name="parameter" element="csta:GetRouteingModeResponse"/>
</message>
```

message **setAgentState**

parts **parameter**

element **csta:SetAgentState**

source

```
<message name="setAgentState">
 <part name="parameter" element="csta:SetAgentState"/>
</message>
```

message **setAgentStateResponse**

parts **parameter**

element **csta:SetAgentStateResponse**

source

```
<message name="setAgentStateResponse">
 <part name="parameter" element="csta:SetAgentStateResponse"/>
</message>
```

message **setAutoAnswer**

parts **parameter**

element **csta:SetAutoAnswer**

source

```
<message name="setAutoAnswer">
 <part name="parameter" element="csta:SetAutoAnswer"/>
</message>
```

message **setAutoAnswerResponse**

parts **parameter**

element **csta:SetAutoAnswerResponse**

source

```
<message name="setAutoAnswerResponse">
  <part name="parameter" element="csta:SetAutoAnswerResponse"/>
</message>
```

message **setAutoWorkMode**

parts **parameter**

element **csta:SetAutoWorkMode**

source

```
<message name="setAutoWorkMode">
  <part name="parameter" element="csta:SetAutoWorkMode"/>
</message>
```

message **setAutoWorkModeResponse**

parts **parameter**

element **csta:SetAutoWorkModeResponse**

source

```
<message name="setAutoWorkModeResponse">
  <part name="parameter" element="csta:SetAutoWorkModeResponse"/>
</message>
```

message **setCallerIDStatus**

parts **parameter**

element **csta:SetCallerIDStatus**

source

```
<message name="setCallerIDStatus">
  <part name="parameter" element="csta:SetCallerIDStatus"/>
</message>
```

message **setCallerIDStatusResponse**

parts **parameter**

element **csta:SetCallerIDStatusResponse**

source

```
<message name="setCallerIDStatusResponse">
  <part name="parameter" element="csta:SetCallerIDStatusResponse"/>
</message>
```

message **setDoNotDisturb**

parts **parameter**

element **csta:SetDoNotDisturb**

source
```
<message name="setDoNotDisturb">
 <part name="parameter" element="csta:SetDoNotDisturb"/>
</message>
```

message **setDoNotDisturbResponse**

parts **parameter**

element **csta:SetDoNotDisturbResponse**

source
```
<message name="setDoNotDisturbResponse">
 <part name="parameter" element="csta:SetDoNotDisturbResponse"/>
</message>
```

message **setForwarding**

parts **parameter**

element **csta:SetForwarding**

source
```
<message name="setForwarding">
 <part name="parameter" element="csta:SetForwarding"/>
</message>
```

message **setForwardingResponse**

parts **parameter**

element **csta:SetForwardingResponse**

source
```
<message name="setForwardingResponse">
 <part name="parameter" element="csta:SetForwardingResponse"/>
</message>
```

message **setRouteingMode**

parts **parameter**

element **csta:SetRouteingMode**

source
```
<message name="setRouteingMode">
 <part name="parameter" element="csta:SetRouteingMode"/>
</message>
```

message **setRouteingModeResponse**

parts **parameter**

element **csta:SetRouteingModeResponse**

source

```
<message name="setRouteingModeResponse">
  <part name="parameter" element="csta:SetRouteingModeResponse"/>
</message>
```

message **agentBusyEvent**

parts **parameter**

element **csta:AgentBusyEvent**

source

```
<message name="agentBusyEvent">
  <part name="parameter" element="csta:AgentBusyEvent"/>
</message>
```

message **agentLoggedOffEvent**

parts **parameter**

element **csta:AgentLoggedOffEvent**

source

```
<message name="agentLoggedOffEvent">
  <part name="parameter" element="csta:AgentLoggedOffEvent"/>
</message>
```

message **agentLoggedOnEvent**

parts **parameter**

element **csta:AgentLoggedOnEvent**

source

```
<message name="agentLoggedOnEvent">
  <part name="parameter" element="csta:AgentLoggedOnEvent"/>
</message>
```

message **agentNotReadyEvent**

parts **parameter**

element **csta:AgentNotReadyEvent**

source

```
<message name="agentNotReadyEvent">
  <part name="parameter" element="csta:AgentNotReadyEvent"/>
</message>
```

message **agentReadyEvent**

parts **parameter**

element **csta:AgentReadyEvent**

source

```
<message name="agentReadyEvent">
  <part name="parameter" element="csta:AgentReadyEvent"/>
</message>
```

message **agentWorkingAfterCallEvent**

parts **parameter**

element **csta:AgentWorkingAfterCallEvent**

source

```
<message name="agentWorkingAfterCallEvent">
  <part name="parameter" element="csta:AgentWorkingAfterCallEvent"/>
</message>
```

message **autoAnswerEvent**

parts **parameter**

element **csta:AutoAnswerEvent**

source

```
<message name="autoAnswerEvent">
  <part name="parameter" element="csta:AutoAnswerEvent"/>
</message>
```

message **autoWorkModeEvent**

parts **parameter**

element **csta:AutoWorkModeEvent**

source

```
<message name="autoWorkModeEvent">
  <part name="parameter" element="csta:AutoWorkModeEvent"/>
</message>
```

message **callBackEvent**

parts **parameter**

element **csta:CallBackEvent**

source

```
<message name="callBackEvent">
  <part name="parameter" element="csta:CallBackEvent"/>
</message>
```

message **callBackMessageEvent**

parts **parameter**

element **csta:CallBackMessageEvent**

source

```
<message name="callBackMessageEvent">
 <part name="parameter" element="csta:CallBackMessageEvent"/>
</message>
```

message **callerIDStatusEvent**

parts **parameter**

element **csta:CallerIDStatusEvent**

source

```
<message name="callerIDStatusEvent">
 <part name="parameter" element="csta:CallerIDStatusEvent"/>
</message>
```

message **doNotDisturbEvent**

parts **parameter**

element **csta:DoNotDisturbEvent**

source

```
<message name="doNotDisturbEvent">
 <part name="parameter" element="csta:DoNotDisturbEvent"/>
</message>
```

message **forwardingEvent**

parts **parameter**

element **csta:ForwardingEvent**

source

```
<message name="forwardingEvent">
 <part name="parameter" element="csta:ForwardingEvent"/>
</message>
```

message **routeingEvent**

parts **parameter**

element **csta:RouteingEvent**

source

```
<message name="routeingEvent">
 <part name="parameter" element="csta:RouteingEvent"/>
</message>
```

16.2 Operations

operations

CSTA-Call-Back-Message-Non-Call-Related

input	tns:callBackMessageNonCallRelated
output	tns:callBackMessageNonCallRelatedResponse
fault	tns:negResponse

CSTA-Call-Back-Non-Call-Related

input	tns:callBackNonCallRelated
output	tns:callBackNonCallRelatedResponse
fault	tns:negResponse

CSTA-Cancel-Call-Back

input	tns:cancelCallBack
output	tns:cancelCallBackResponse
fault	tns:negResponse

CSTA-Cancel-Call-Back-Message

input	tns:cancelCallBackMessage
output	tns:cancelCallBackMessageResponse
fault	tns:negResponse

CSTA-Get-Agent-State

input	tns:getAgentState
output	tns:getAgentStateResponse
fault	tns:negResponse

CSTA-Get-Auto-Answer

input	tns:getAutoAnswer
output	tns:getAutoAnswerResponse
fault	tns:negResponse

CSTA-Get-Auto-Work-Mode

input	tns:getAutoWorkMode
output	tns:getAutoWorkModeResponse
fault	tns:negResponse

CSTA-Get-Call-Back

input	tns:getCallBack
output	tns:getCallBackResponse
fault	tns:negResponse

CSTA-Get-Caller-ID-Status

input	tns:getCallerIDStatus

output	tns:getCallerIDStatusResponse
fault	tns:negResponse

CSTA-Get-Do-Not-Disturb

input	tns:getDoNotDisturb
output	tns:getDoNotDisturbResponse
fault	tns:negResponse

CSTA-Get-Forwarding

input	tns:getForwarding
output	tns:getForwardingResponse
fault	tns:negResponse

CSTA-Get-Last-Number-Dialed

input	tns:getLastNumberDialed
output	tns:getLastNumberDialedResponse
fault	tns:negResponse

CSTA-Get-Routeing-Mode

input	tns:getRouteingMode
output	tns:getRouteingModeResponse
fault	tns:negResponse

CSTA-Set-Agent-State

input	tns:setAgentState
output	tns:setAgentStateResponse
fault	tns:negResponse

CSTA-Set-Auto-Answer

input	tns:setAutoAnswer
output	tns:setAutoAnswerResponse
fault	tns:negResponse

CSTA-Set-Auto-Work-Mode

input	tns:setAutoWorkMode
output	tns:setAutoWorkModeResponse
fault	tns:negResponse

CSTA-Set-Caller-ID-Status

input	tns:setCallerIDStatus
output	tns:setCallerIDStatusResponse
fault	tns:negResponse

CSTA-Set-Do-Not-Disturb

input	tns:setDoNotDisturb

output	tns:setDoNotDisturbResponse
fault	tns:negResponse

CSTA-Set-Forwarding

input	tns:setForwarding
output	tns:setForwardingResponse
fault	tns:negResponse

CSTA-Set-Routeing-Mode

input	tns:setRouteingMode
output	tns:setRouteingModeResponse
fault	tns:negResponse

CSTA-Agent-Busy-Event

input	tns:agentBusyEvent

CSTA-Agent-Logged-Off-Event

input	tns:agentLoggedOffEvent

CSTA-Agent-Logged-On-Event

input	tns:agentLoggedOnEvent

CSTA-Agent-Not-Ready-Event

input	tns:agentNotReadyEvent

CSTA-Agent-Ready-Event

input	tns:agentReadyEvent

CSTA-Agent-Working-After-Call-Event

input	tns:agentWorkingAfterCallEvent

CSTA-Auto-Answer-Event

input	tns:autoAnswerEvent

CSTA-Auto-Work-Mode-Event

input	tns:autoWorkModeEvent

CSTA-Call-Back-Event

input	tns:callBackEvent

CSTA-Call-Back-Message-Event

input	tns:callBackMessageEvent

CSTA-Caller-ID-Status-Event

input tns:callerIDStatusEvent

CSTA-Do-Not-Disturb-Event

input tns:doNotDisturbEvent

CSTA-Forwarding-Event

input tns:forwardingEvent

CSTA-Routeing-Event

input tns:routeingEvent

source

```
<operation name="CSTA-Call-Back-Message-Non-Call-Related">
  <input message="tns:callBackMessageNonCallRelated"/>
  <output message="tns:callBackMessageNonCallRelatedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Call-Back-Non-Call-Related">
  <input message="tns:callBackNonCallRelated"/>
  <output message="tns:callBackNonCallRelatedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Cancel-Call-Back">
  <input message="tns:cancelCallBack"/>
  <output message="tns:cancelCallBackResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Cancel-Call-Back-Message">
  <input message="tns:cancelCallBackMessage"/>
  <output message="tns:cancelCallBackMessageResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Agent-State">
  <input message="tns:getAgentState"/>
  <output message="tns:getAgentStateResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Auto-Answer">
  <input message="tns:getAutoAnswer"/>
  <output message="tns:getAutoAnswerResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Auto-Work-Mode">
  <input message="tns:getAutoWorkMode"/>
  <output message="tns:getAutoWorkModeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Call-Back">
  <input message="tns:getCallBack"/>
  <output message="tns:getCallBackResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Caller-ID-Status">
  <input message="tns:getCallerIDStatus"/>
  <output message="tns:getCallerIDStatusResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Do-Not-Disturb">
  <input message="tns:getDoNotDisturb"/>
  <output message="tns:getDoNotDisturbResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Forwarding">
  <input message="tns:getForwarding"/>
  <output message="tns:getForwardingResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Last-Number-Dialed">
  <input message="tns:getLastNumberDialed"/>
  <output message="tns:getLastNumberDialedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Routeing-Mode">
  <input message="tns:getRouteingMode"/>
  <output message="tns:getRouteingModeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Agent-State">
  <input message="tns:setAgentState"/>
  <output message="tns:setAgentStateResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Auto-Answer">
  <input message="tns:setAutoAnswer"/>
  <output message="tns:setAutoAnswerResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Auto-Work-Mode">
  <input message="tns:setAutoWorkMode"/>
  <output message="tns:setAutoWorkModeResponse"/>
```

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```
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Caller-ID-Status">
  <input message="tns:setCallerIDStatus"/>
  <output message="tns:setCallerIDStatusResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Do-Not-Disturb">
  <input message="tns:setDoNotDisturb"/>
  <output message="tns:setDoNotDisturbResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Forwarding">
  <input message="tns:setForwarding"/>
  <output message="tns:setForwardingResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Routeing-Mode">
  <input message="tns:setRouteingMode"/>
  <output message="tns:setRouteingModeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Agent-Busy-Event">
  <input message="tns:agentBusyEvent"/>
</operation>
<operation name="CSTA-Agent-Logged-Off-Event">
  <input message="tns:agentLoggedOffEvent"/>
</operation>
<operation name="CSTA-Agent-Logged-On-Event">
  <input message="tns:agentLoggedOnEvent"/>
</operation>
<operation name="CSTA-Agent-Not-Ready-Event">
  <input message="tns:agentNotReadyEvent"/>
</operation>
<operation name="CSTA-Agent-Ready-Event">
  <input message="tns:agentReadyEvent"/>
</operation>
<operation name="CSTA-Agent-Working-After-Call-Event">
  <input message="tns:agentWorkingAfterCallEvent"/>
</operation>
<operation name="CSTA-Auto-Answer-Event">
  <input message="tns:autoAnswerEvent"/>
</operation>
<operation name="CSTA-Auto-Work-Mode-Event">
  <input message="tns:autoWorkModeEvent"/>
```

```
</operation>
<operation name="CSTA-Call-Back-Event">
  <input message="tns:callBackEvent"/>
</operation>
<operation name="CSTA-Call-Back-Message-Event">
  <input message="tns:callBackMessageEvent"/>
</operation>
<operation name="CSTA-Caller-ID-Status-Event">
  <input message="tns:callerIDStatusEvent"/>
</operation>
<operation name="CSTA-Do-Not-Disturb-Event">
  <input message="tns:doNotDisturbEvent"/>
</operation>
<operation name="CSTA-Forwarding-Event">
  <input message="tns:forwardingEvent"/>
</operation>
<operation name="CSTA-Routeing-Event">
  <input message="tns:routeingEvent"/>
</operation>
```

17 Device Maintenance Events - Messages and Operations

This Clause specifies the WSDL messages and operations for the device maintenance events.

17.1 Messages

message **backInServiceEvent**

parts **parameter**

element **csta:BackInServiceEvent**

source

```
<message name="backInServiceEvent">
  <part name="parameter" element="csta:BackInServiceEvent"/>
</message>
```

message **deviceCapsChangedEvent**

parts **parameter**

element **csta:DeviceCapsChangedEvent**

source

```
<message name="deviceCapsChangedEvent">
  <part name="parameter" element="csta:DeviceCapsChangedEvent"/>
</message>
```

message **outOfServiceEvent**

parts **parameter**

element **csta:OutOfServiceEvent**

source

```
<message name="outOfServiceEvent">
  <part name="parameter" element="csta:OutOfServiceEvent"/>
</message>
```

message **partiallyInServiceEvent**

parts **parameter**

element **csta:PartiallyInServiceEvent**

source

```
<message name="partiallyInServiceEvent">
  <part name="parameter" element="csta:PartiallyInServiceEvent"/>
</message>
```

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17.2 Operations

operations

CSTA-Back-In-Service-Event

input **tns:backInServiceEvent**

CSTA-Device-Capabilities-Changed-Event

input **tns:deviceCapsChangedEvent**

CSTA-Out-Of-Service-Event

input **tns:outOfServiceEvent**

CSTA-Partially-In-Service-Event

input **tns:partiallyInServiceEvent**

source

```
<operation name="CSTA-Back-In-Service-Event">
  <input message="tns:backInServiceEvent"/>
</operation>
<operation name="CSTA-Device-Capabilities-Changed-Event">
  <input message="tns:deviceCapsChangedEvent"/>
</operation>
<operation name="CSTA-Out-Of-Service-Event">
  <input message="tns:outOfServiceEvent"/>
</operation>
<operation name="CSTA-Partially-In-Service-Event">
  <input message="tns:partiallyInServiceEvent"/>
</operation>
```

18 I/O Services Features - Messages and Operations

This Clause specifies the WSDL messages and operations for the I/O Services features.

18.1 Messages

message **iORegister**

parts **parameter**

element **csta:IORegister**

source

```
<message name="iORegister">
  <part name="parameter" element="csta:IORegister"/>
</message>
```

message **iORegisterResponse**

parts **parameter**

element **csta:IORegisterResponse**

source

```
<message name="iORegisterResponse">
  <part name="parameter" element="csta:IORegisterResponse"/>
</message>
```

message **iORegisterAbort**

parts **parameter**

element **csta:IORegisterAbort**

source

```
<message name="iORegisterAbort">
  <part name="parameter" element="csta:IORegisterAbort"/>
</message>
```

message **iORegisterCancel**

parts **parameter**

element **csta:IORegisterCancel**

source

```
<message name="iORegisterCancel">
  <part name="parameter" element="csta:IORegisterCancel"/>
</message>
```

message **iORegisterCancelResponse**

parts **parameter**

element **csta:IORegisterCancelResponse**

source

```
<message name="iORegisterCancelResponse">
 <part name="parameter" element="csta:IORegisterCancelResponse"/>
</message>
```

message **dataPathResumed**

parts **parameter**

element **csta:DataPathResumed**

source

```
<message name="dataPathResumed">
 <part name="parameter" element="csta:DataPathResumed"/>
</message>
```

message **dataPathResumedResponse**

parts **parameter**

element **csta:DataPathResumedResponse**

source

```
<message name="dataPathResumedResponse">
 <part name="parameter" element="csta:DataPathResumedResponse"/>
</message>
```

message **dataPathSuspended**

parts **parameter**

element **csta:DataPathSuspended**

source

```
<message name="dataPathSuspended">
 <part name="parameter" element="csta:DataPathSuspended"/>
</message>
```

message **dataPathSuspendedResponse**

parts **parameter**

element **csta:DataPathSuspendedResponse**

source

```
<message name="dataPathSuspendedResponse">
 <part name="parameter" element="csta:DataPathSuspendedResponse"/>
</message>
```

message **fastData**

parts **parameter**

element **csta:FastData**

source

```
<message name="fastData">
 <part name="parameter" element="csta:FastData"/>
</message>
```

message **fastDataResponse**

parts **parameter**

element **csta:FastDataResponse**

source

```
<message name="fastDataResponse">
 <part name="parameter" element="csta:FastDataResponse"/>
</message>
```

message **resumeDataPath**

parts **parameter**

element **csta:ResumeDataPath**

source

```
<message name="resumeDataPath">
 <part name="parameter" element="csta:ResumeDataPath"/>
</message>
```

message **resumeDataPathResponse**

parts **parameter**

element **csta:ResumeDataPathResponse**

source

```
<message name="resumeDataPathResponse">
 <part name="parameter" element="csta:ResumeDataPathResponse"/>
</message>
```

message **sendBroadcastData**

parts **parameter**

element **csta:SendBroadcastData**

source

```
<message name="sendBroadcastData">
 <part name="parameter" element="csta:SendBroadcastData"/>
</message>
```

message **sendBroadcastDataResponse**

parts **parameter**

element **csta:SendBroadcastDataResponse**

source

```
<message name="sendBroadcastDataResponse">
 <part name="parameter" element="csta:SendBroadcastDataResponse"/>
</message>
```

message **sendData**

parts **parameter**

element **csta:SendData**

source

```
<message name="sendData">
 <part name="parameter" element="csta:SendData"/>
</message>
```

message **sendDataResponse**

parts **parameter**

element **csta:SendDataResponse**

source

```
<message name="sendDataResponse">
 <part name="parameter" element="csta:SendDataResponse"/>
</message>
```

message **sendMulticastData**

parts **parameter**

element **csta:SendMulticastData**

source

```
<message name="sendMulticastData">
 <part name="parameter" element="csta:SendMulticastData"/>
</message>
```

message **sendMulticastDataResponse**

parts **parameter**

element **csta:SendMulticastDataResponse**

source

```
<message name="sendMulticastDataResponse">
 <part name="parameter" element="csta:SendMulticastDataResponse"/>
</message>
```

message **startDataPath**

parts **parameter**

element **csta:StartDataPath**

source

```
<message name="startDataPath">
 <part name="parameter" element="csta:StartDataPath"/>
</message>
```

message **startDataPathResponse**

parts **parameter**

element **csta:StartDataPathResponse**

source

```
<message name="startDataPathResponse">
 <part name="parameter" element="csta:StartDataPathResponse"/>
</message>
```

message **stopDataPath**

parts **parameter**

element **csta:StopDataPath**

source

```
<message name="stopDataPath">
 <part name="parameter" element="csta:StopDataPath"/>
</message>
```

message **stopDataPathResponse**

parts **parameter**

element **csta:StopDataPathResponse**

source

```
<message name="stopDataPathResponse">
 <part name="parameter" element="csta:StopDataPathResponse"/>
</message>
```

message **suspendDataPath**

parts **parameter**

element **csta:SuspendDataPath**

source

```
<message name="suspendDataPath">
 <part name="parameter" element="csta:SuspendDataPath"/>
</message>
```

message **suspendDataPathResponse**

parts **parameter**

element **csta:SuspendDataPathResponse**

source

```
<message name="suspendDataPathResponse">
 <part name="parameter" element="csta:SuspendDataPathResponse"/>
</message>
```

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18.2 Operations

operations	**CSTA-IO-Register**	
	input	tns:iORegister
	output	tns:iORegisterResponse
	fault	tns:negResponse
	CSTA-IO-Register-Abort	
	input	tns:iORegisterAbort
	CSTA-IO-Register-Cancel	
	input	tns:iORegisterCancel
	output	tns:iORegisterCancelResponse
	fault	tns:negResponse
	CSTA-Data-Path-Resumed	
	input	tns:dataPathResumed
	output	tns:dataPathResumedResponse
	fault	tns:negResponse
	CSTA-Data-Path-Suspended	
	input	tns:dataPathSuspended
	output	tns:dataPathSuspendedResponse
	fault	tns:negResponse
	CSTA-Fast-Data-as-input	
	input	tns:fastData
	output	tns:fastDataResponse
	fault	tns:negResponse
	CSTA-Fast-Data-as-output	
	input	tns:fastData
	output	tns:fastDataResponse
	fault	tns:negResponse
	CSTA-Resume-Data-Path	
	input	tns:resumeDataPath
	output	tns:resumeDataPathResponse
	fault	tns:negResponse
	CSTA-Send-Broadcast-Data	
	input	tns:sendBroadcastData
	output	tns:sendBroadcastDataResponse
	fault	tns:negResponse

CSTA-Send-Data-as-input

input	tns:sendData
output	tns:sendDataResponse
fault	tns:negResponse

CSTA-Send-Data-as-output

input	tns:sendData
output	tns:sendDataResponse
fault	tns:negResponse

CSTA-Send-Multicast-Data

input	tns:sendMulticastData
output	tns:sendMulticastDataResponse
fault	tns:negResponse

CSTA-Start-Data-Path-as-input

input	tns:startDataPath
output	tns:startDataPathResponse
fault	tns:negResponse

CSTA-Start-Data-Path-as-output

input	tns:startDataPath
output	tns:startDataPathResponse
fault	tns:negResponse

CSTA-Stop-Data-Path-as-input

input	tns:stopDataPath
output	tns:stopDataPathResponse
fault	tns:negResponse

CSTA-Stop-Data-Path-as-output

input	tns:stopDataPath
output	tns:stopDataPathResponse
fault	tns:negResponse

CSTA-Suspend-Data-Path-as-input

input	tns:suspendDataPath
output	tns:suspendDataPathResponse
fault	tns:negResponse

CSTA-Suspend-Data-Path-as-output

input	tns:suspendDataPath
output	tns:suspendDataPathResponse
fault	tns:negResponse

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source

```
<operation name="CSTA-IO-Register">
  <input message="tns:iORegister"/>
  <output message="tns:iORegisterResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-IO-Register-Abort">
  <input message="tns:iORegisterAbort"/>
</operation>
<operation name="CSTA-IO-Register-Cancel">
  <input message="tns:iORegisterCancel"/>
  <output message="tns:iORegisterCancelResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Data-Path-Resumed">
  <input message="tns:dataPathResumed"/>
  <output message="tns:dataPathResumedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Data-Path-Suspended">
  <input message="tns:dataPathSuspended"/>
  <output message="tns:dataPathSuspendedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Fast-Data-as-input">
  <input message="tns:fastData"/>
  <output message="tns:fastDataResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Fast-Data-as-output">
  <input message="tns:fastData"/>
  <output message="tns:fastDataResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Resume-Data-Path">
  <input message="tns:resumeDataPath"/>
  <output message="tns:resumeDataPathResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Send-Broadcast-Data">
  <input message="tns:sendBroadcastData"/>
  <output message="tns:sendBroadcastDataResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Send-Data-as-input">
  <input message="tns:sendData"/>
```

```
      <output message="tns:sendDataResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Send-Data-as-output">
      <input message="tns:sendData"/>
      <output message="tns:sendDataResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Send-Multicast-Data">
      <input message="tns:sendMulticastData"/>
      <output message="tns:sendMulticastDataResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Start-Data-Path-as-input">
      <input message="tns:startDataPath"/>
      <output message="tns:startDataPathResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Start-Data-Path-as-output">
      <input message="tns:startDataPath"/>
      <output message="tns:startDataPathResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Stop-Data-Path-as-input">
      <input message="tns:stopDataPath"/>
      <output message="tns:stopDataPathResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Stop-Data-Path-as-output">
      <input message="tns:stopDataPath"/>
      <output message="tns:stopDataPathResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Suspend-Data-Path-as-input">
      <input message="tns:suspendDataPath"/>
      <output message="tns:suspendDataPathResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Suspend-Data-Path-as-output">
      <input message="tns:suspendDataPath"/>
      <output message="tns:suspendDataPathResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
```

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19 Data Collection Features - Messages and Operations

This Clause specifies the WSDL messages and operations for the data collection features.

19.1 Messages

message **dataCollected**

parts	**parameter** element **csta:DataCollected**
source	<message name="dataCollected"> <part name="parameter" element="csta:DataCollected"/> </message>

message **dataCollectedResponse**

parts	**parameter** element **csta:DataCollectedResponse**
source	<message name="dataCollectedResponse"> <part name="parameter" element="csta:DataCollectedResponse"/> </message>

message **dataCollectionResumed**

parts	**parameter** element **csta:DataCollectionResumed**
source	<message name="dataCollectionResumed"> <part name="parameter" element="csta:DataCollectionResumed"/> </message>

message **dataCollectionResumedResponse**

parts	**parameter** element **csta:DataCollectionResumedResponse**
source	<message name="dataCollectionResumedResponse"> <part name="parameter" element="csta:DataCollectionResumedResponse"/> </message>

message **dataCollectionSuspended**

parts **parameter**

element **csta:DataCollectionSuspended**

source

```
<message name="dataCollectionSuspended">
 <part name="parameter" element="csta:DataCollectionSuspended"/>
</message>
```

message **dataCollectionSuspendedResponse**

parts **parameter**

element **csta:DataCollectionSuspendedResponse**

source

```
<message name="dataCollectionSuspendedResponse">
 <part name="parameter" element="csta:DataCollectionSuspendedResponse"/>
</message>
```

message **resumeDataCollection**

parts **parameter**

element **csta:ResumeDataCollection**

source

```
<message name="resumeDataCollection">
 <part name="parameter" element="csta:ResumeDataCollection"/>
</message>
```

message **resumeDataCollectionResponse**

parts **parameter**

element **csta:ResumeDataCollectionResponse**

source

```
<message name="resumeDataCollectionResponse">
 <part name="parameter" element="csta:ResumeDataCollectionResponse"/>
</message>
```

message **startDataCollection**

parts **parameter**

element **csta:StartDataCollection**

source

```
<message name="startDataCollection">
 <part name="parameter" element="csta:StartDataCollection"/>
</message>
```

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message **startDataCollectionResponse**

parts **parameter**

element **csta:StartDataCollectionResponse**

source

```
<message name="startDataCollectionResponse">
 <part name="parameter" element="csta:StartDataCollectionResponse"/>
</message>
```

message **stopDataCollection**

parts **parameter**

element **csta:StopDataCollection**

source

```
<message name="stopDataCollection">
 <part name="parameter" element="csta:StopDataCollection"/>
</message>
```

message **stopDataCollectionResponse**

parts **parameter**

element **csta:StopDataCollectionResponse**

source

```
<message name="stopDataCollectionResponse">
 <part name="parameter" element="csta:StopDataCollectionResponse"/>
</message>
```

message **suspendDataCollection**

parts **parameter**

element **csta:SuspendDataCollection**

source

```
<message name="suspendDataCollection">
 <part name="parameter" element="csta:SuspendDataCollection"/>
</message>
```

message **suspendDataCollectionResponse**

parts **parameter**

element **csta:SuspendDataCollectionResponse**

source

```
<message name="suspendDataCollectionResponse">
 <part name="parameter" element="csta:SuspendDataCollectionResponse"/>
</message>
```

19.2 Operations

operations

CSTA-Data-Collected

input	tns:dataCollected
output	tns:dataCollectedResponse
fault	tns:negResponse

CSTA-Data-Collection-Resumed

input	tns:dataCollectionResumed
output	tns:dataCollectionResumedResponse
fault	tns:negResponse

CSTA-Data-Collection-Suspended

input	tns:dataCollectionSuspended
output	tns:dataCollectionSuspendedResponse
fault	tns:negResponse

CSTA-Resume-Data-Collection

input	tns:resumeDataCollection
output	tns:resumeDataCollectionResponse
fault	tns:negResponse

CSTA-Start-Data-Collection

input	tns:startDataCollection
output	tns:startDataCollectionResponse
fault	tns:negResponse

CSTA-Stop-Data-Collection-as-input

input	tns:stopDataCollection
output	tns:stopDataCollectionResponse
fault	tns:negResponse

CSTA-Stop-Data-Collection-as-output

input	tns:stopDataCollection
output	tns:stopDataCollectionResponse
fault	tns:negResponse

CSTA-Suspend-Data-Collection-as-input

input	tns:suspendDataCollection
output	tns:suspendDataCollectionResponse
fault	tns:negResponse

CSTA-Suspend-Data-Collection-as-output

input	tns:suspendDataCollection
output	tns:suspendDataCollectionResponse
fault	tns:negResponse

source

```
<operation name="CSTA-Data-Collected">
  <input message="tns:dataCollected"/>
  <output message="tns:dataCollectedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Data-Collection-Resumed">
  <input message="tns:dataCollectionResumed"/>
  <output message="tns:dataCollectionResumedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Data-Collection-Suspended">
  <input message="tns:dataCollectionSuspended"/>
  <output message="tns:dataCollectionSuspendedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Resume-Data-Collection">
  <input message="tns:resumeDataCollection"/>
  <output message="tns:resumeDataCollectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Start-Data-Collection">
  <input message="tns:startDataCollection"/>
  <output message="tns:startDataCollectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Stop-Data-Collection-as-input">
  <input message="tns:stopDataCollection"/>
  <output message="tns:stopDataCollectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Stop-Data-Collection-as-output">
  <input message="tns:stopDataCollection"/>
  <output message="tns:stopDataCollectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Suspend-Data-Collection-as-input">
  <input message="tns:suspendDataCollection"/>
  <output message="tns:suspendDataCollectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Suspend-Data-Collection-as-output">
  <input message="tns:suspendDataCollection"/>
  <output message="tns:suspendDataCollectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
```

20 Voice Features - Messages and Operations

This Clause specifies the WSDL messages and operations for the Voice Services.

20.1 Messages

message **activate**

parts **parameter**

element **csta:Activate**

source

```
<message name="activate">
  <part name="parameter" element="csta:Activate"/>
</message>
```

message **activateResponse**

parts **parameter**

element **csta:ActivateResponse**

source

```
<message name="activateResponse">
  <part name="parameter" element="csta:ActivateResponse"/>
</message>
```

message **clear**

parts **parameter**

element **csta:Clear**

source

```
<message name="clear">
  <part name="parameter" element="csta:Clear"/>
</message>
```

message **clearResponse**

parts **parameter**

element **csta:ClearResponse**

source

```
<message name="clearResponse">
  <part name="parameter" element="csta:ClearResponse"/>
</message>
```

message **concatenateMessage**

parts **parameter**

element **csta:ConcatenateMessage**

source

```
<message name="concatenateMessage">
  <part name="parameter" element="csta:ConcatenateMessage"/>
</message>
```

message **concatenateMessageResponse**

parts **parameter**

element **csta:ConcatenateMessageResponse**

source

```
<message name="concatenateMessageResponse">
  <part name="parameter" element="csta:ConcatenateMessageResponse"/>
</message>
```

message **deactivate**

parts **parameter**

element **csta:Deactivate**

source

```
<message name="deactivate">
  <part name="parameter" element="csta:Deactivate"/>
</message>
```

message **deactivateResponse**

parts **parameter**

element **csta:DeactivateResponse**

source

```
<message name="deactivateResponse">
  <part name="parameter" element="csta:DeactivateResponse"/>
</message>
```

message **deleteMessage**

parts **parameter**

element **csta:DeleteMessage**

source

```
<message name="deleteMessage">
  <part name="parameter" element="csta:DeleteMessage"/>
</message>
```

message **deleteMessageResponse**

parts

parameter

element **csta:DeleteMessageResponse**

source

```
<message name="deleteMessageResponse">
 <part name="parameter" element="csta:DeleteMessageResponse"/>
</message>
```

message **playMessage**

parts

parameter

element **csta:PlayMessage**

source

```
<message name="playMessage">
 <part name="parameter" element="csta:PlayMessage"/>
</message>
```

message **playMessageResponse**

parts

parameter

element **csta:PlayMessageResponse**

source

```
<message name="playMessageResponse">
 <part name="parameter" element="csta:PlayMessageResponse"/>
</message>
```

message **queryVoiceAttribute**

parts

parameter

element **csta:QueryVoiceAttribute**

source

```
<message name="queryVoiceAttribute">
 <part name="parameter" element="csta:QueryVoiceAttribute"/>
</message>
```

message **queryVoiceAttributeResponse**

parts

parameter

element **csta:QueryVoiceAttributeResponse**

source

```
<message name="queryVoiceAttributeResponse">
 <part name="parameter" element="csta:QueryVoiceAttributeResponse"/>
</message>
```

message **queueService**

parts

parameter

element **csta:QueueService**

source

```
<message name="queueService">
  <part name="parameter" element="csta:QueueService"/>
</message>
```

message **queueServiceResponse**

parts

parameter

element **csta:QueueServiceResponse**

source

```
<message name="queueServiceResponse">
  <part name="parameter" element="csta:QueueServiceResponse"/>
</message>
```

message **recordMessage**

parts

parameter

element **csta:RecordMessage**

source

```
<message name="recordMessage">
  <part name="parameter" element="csta:RecordMessage"/>
</message>
```

message **recordMessageResponse**

parts

parameter

element **csta:RecordMessageResponse**

source

```
<message name="recordMessageResponse">
  <part name="parameter" element="csta:RecordMessageResponse"/>
</message>
```

message **reposition**

parts

parameter

element **csta:Reposition**

source

```
<message name="reposition">
  <part name="parameter" element="csta:Reposition"/>
</message>
```

message **repositionResponse**

parts

parameter

element **csta:RepositionResponse**

source

```
<message name="repositionResponse">
  <part name="parameter" element="csta:RepositionResponse"/>
</message>
```

message **resume**

parts

parameter

element **csta:Resume**

source

```
<message name="resume">
  <part name="parameter" element="csta:Resume"/>
</message>
```

message **resumeResponse**

parts

parameter

element **csta:ResumeResponse**

source

```
<message name="resumeResponse">
  <part name="parameter" element="csta:ResumeResponse"/>
</message>
```

message **review**

parts

parameter

element **csta:Review**

source

```
<message name="review">
  <part name="parameter" element="csta:Review"/>
</message>
```

message **reviewResponse**

parts

parameter

element **csta:ReviewResponse**

source

```
<message name="reviewResponse">
  <part name="parameter" element="csta:ReviewResponse"/>
</message>
```

message **setVoiceAttribute**

parts **parameter**

element **csta:SetVoiceAttribute**

source

```
<message name="setVoiceAttribute">
  <part name="parameter" element="csta:SetVoiceAttribute"/>
</message>
```

message **setVoiceAttributeResponse**

parts **parameter**

element **csta:SetVoiceAttributeResponse**

source

```
<message name="setVoiceAttributeResponse">
  <part name="parameter" element="csta:SetVoiceAttributeResponse"/>
</message>
```

message **start**

parts **parameter**

element **csta:Start**

source

```
<message name="start">
  <part name="parameter" element="csta:Start"/>
</message>
```

message **startResponse**

parts **parameter**

element **csta:StartResponse**

source

```
<message name="startResponse">
  <part name="parameter" element="csta:StartResponse"/>
</message>
```

message **stop**

parts **parameter**

element **csta:Stop**

source

```
<message name="stop">
  <part name="parameter" element="csta:Stop"/>
</message>
```

message **stopResponse**

parts

parameter

element **csta:StopResponse**

source

```
<message name="stopResponse">
 <part name="parameter" element="csta:StopResponse"/>
</message>
```

message **suspend**

parts

parameter

element **csta:Suspend**

source

```
<message name="suspend">
 <part name="parameter" element="csta:Suspend"/>
</message>
```

message **suspendResponse**

parts

parameter

element **csta:SuspendResponse**

source

```
<message name="suspendResponse">
 <part name="parameter" element="csta:SuspendResponse"/>
</message>
```

message **synthesizeMessage**

parts

parameter

element **csta:SynthesizeMessage**

source

```
<message name="synthesizeMessage">
 <part name="parameter" element="csta:SynthesizeMessage"/>
</message>
```

message **synthesizeMessageResponse**

parts

parameter

element **csta:SynthesizeMessageResponse**

source

```
<message name="synthesizeMessageResponse">
 <part name="parameter" element="csta:SynthesizeMessageResponse"/>
</message>
```

message **bookmarkReachedEvent**

parts

parameter

element **csta:BookmarkReachedEvent**

source

```
<message name="bookmarkReachedEvent">
  <part name="parameter" element="csta:BookmarkReachedEvent"/>
</message>
```

message **completedEvent**

parts

parameter

element **csta:CompletedEvent**

source

```
<message name="completedEvent">
  <part name="parameter" element="csta:CompletedEvent"/>
</message>
```

message **dtmfDetectedEvent**

parts

parameter

element **csta:DtmfDetectedEvent**

source

```
<message name="dtmfDetectedEvent">
  <part name="parameter" element="csta:DtmfDetectedEvent"/>
</message>
```

message **emptiedEvent**

parts

parameter

element **csta:EmptiedEvent**

source

```
<message name="emptiedEvent">
  <part name="parameter" element="csta:EmptiedEvent"/>
</message>
```

message **interruptionDetectedEvent**

parts

parameter

element **csta:InterruptionDetectedEvent**

source

```
<message name="interruptionDetectedEvent">
  <part name="parameter" element="csta:InterruptionDetectedEvent"/>
</message>
```

message **notRecognizedEvent**

parts **parameter**

element **csta:NotRecognizedEvent**

source

```
<message name="notRecognizedEvent">
 <part name="parameter" element="csta:NotRecognizedEvent"/>
</message>
```

message **playEvent**

parts **parameter**

element **csta:PlayEvent**

source

```
<message name="playEvent">
 <part name="parameter" element="csta:PlayEvent"/>
</message>
```

message **recognizedEvent**

parts **parameter**

element **csta:RecognizedEvent**

source

```
<message name="recognizedEvent">
 <part name="parameter" element="csta:RecognizedEvent"/>
</message>
```

message **recordEvent**

parts **parameter**

element **csta:RecordEvent**

source

```
<message name="recordEvent">
 <part name="parameter" element="csta:RecordEvent"/>
</message>
```

message **reviewEvent**

parts **parameter**

element **csta:ReviewEvent**

source

```
<message name="reviewEvent">
 <part name="parameter" element="csta:ReviewEvent"/>
</message>
```

message **silenceTimeoutExpiredEvent**

parts	**parameter** element **csta:SilenceTimeoutExpiredEvent**
source	<message name="silenceTimeoutExpiredEvent"> <part name="parameter" element="csta:SilenceTimeoutExpiredEvent"/> </message>

message **speechDetectedEvent**

parts	**parameter** element **csta:SpeechDetectedEvent**
source	<message name="speechDetectedEvent"> <part name="parameter" element="csta:SpeechDetectedEvent"/> </message>

message **startedEvent**

parts	**parameter** element **csta:StartedEvent**
source	<message name="startedEvent"> <part name="parameter" element="csta:StartedEvent"/> </message>

message **stopEvent**

parts	**parameter** element **csta:StopEvent**
source	<message name="stopEvent"> <part name="parameter" element="csta:StopEvent"/> </message>

message **suspendPlayEvent**

parts	**parameter** element **csta:SuspendPlayEvent**
source	<message name="suspendPlayEvent"> <part name="parameter" element="csta:SuspendPlayEvent"/> </message>

message **suspendRecordEvent**

parts **parameter**

element **csta:SuspendRecordEvent**

source

```
<message name="suspendRecordEvent">
  <part name="parameter" element="csta:SuspendRecordEvent"/>
</message>
```

message **voiceAttributeChangedEvent**

parts **parameter**

element **csta:VoiceAttributeChangedEvent**

source

```
<message name="voiceAttributeChangedEvent">
  <part name="parameter" element="csta:VoiceAttributeChangedEvent"/>
</message>
```

message **voiceErrorOccurredEvent**

parts **parameter**

element **csta:VoiceErrorOccurredEvent**

source

```
<message name="voiceErrorOccurredEvent">
  <part name="parameter" element="csta:VoiceErrorOccurredEvent"/>
</message>
```

20.2 Operations

operations	**CSTA-Activate**	
	input	tns:activate
	output	tns:activateResponse
	fault	tns:negResponse
	CSTA-Clear	
	input	tns:clear
	output	tns:clearResponse
	fault	tns:negResponse
	CSTA-Concatenate-Message	
	input	tns:concatenateMessage
	output	tns:concatenateMessageResponse
	fault	tns:negResponse
	CSTA-Deactivate	
	input	tns:deactivate
	output	tns:deactivateResponse
	fault	tns:negResponse
	CSTA-Delete-Message	
	input	tns:deleteMessage
	output	tns:deleteMessageResponse
	fault	tns:negResponse
	CSTA-Play-Message	
	input	tns:playMessage
	output	tns:playMessageResponse
	fault	tns:negResponse
	CSTA-Query-Voice-Attribute	
	input	tns:queryVoiceAttribute
	output	tns:queryVoiceAttributeResponse
	fault	tns:negResponse
	CSTA-Queue-Service	
	input	tns:queueService
	output	tns:queueServiceResponse
	fault	tns:negResponse
	CSTA-Record-Message	
	input	tns:recordMessage
	output	tns:recordMessageResponse

fault	tns:negResponse

CSTA-Reposition

input	tns:reposition
output	tns:repositionResponse
fault	tns:negResponse

CSTA-Resume

input	tns:resume
output	tns:resumeResponse
fault	tns:negResponse

CSTA-Review

input	tns:review
output	tns:reviewResponse
fault	tns:negResponse

CSTA-Set-Voice-Attribute

input	tns:setVoiceAttribute
output	tns:setVoiceAttributeResponse
fault	tns:negResponse

CSTA-Start

input	tns:start
output	tns:startResponse
fault	tns:negResponse

CSTA-Stop

input	tns:stop
output	tns:stopResponse
fault	tns:negResponse

CSTA-Suspend

input	tns:suspend
output	tns:suspendResponse
fault	tns:negResponse

CSTA-Synthesize-Message

input	tns:synthesizeMessage
output	tns:synthesizeMessageResponse
fault	tns:negResponse

CSTA-Bookmark-Reached-Event

inp	tns:bookmarkReachedEvent

CSTA-Completed-Event

input tns:completedEvent

CSTA-Dtmf-Dectected-Event

input tns:dtmfDetectedEvent

CSTA-Emptied-Event

input tns:emptiedEvent

CSTA-Interruption-Detected-Event

input tns:interruptionDetectedEvent

CSTA-Not-Recognized-Event

input tns:notRecognizedEvent

CSTA-Play-Event

input tns:playEvent

CSTA-Recognized-Event

input tns:recognizedEvent

CSTA-Record-Event

input tns:recordEvent

CSTA-Review-Event

input tns:reviewEvent

CSTA-Silence-Timeout-Expired-Event

input tns:silenceTimeoutExpiredEvent

CSTA-Speech-Detected-Event

input tns:speechDetectedEvent

CSTA-Started-Event

input tns:startedEvent

CSTA-Stop-Event

input tns:stopEvent

CSTA-Suspend-Play-Event

input tns:suspendPlayEvent

CSTA-Suspend-Record-Event

input tns:suspendRecordEvent

CSTA-Voice-Attribute-Changed-Event

input tns:voiceAttributeChangedEvent

CSTA-Voice-Error-Occurred-Event

input tns:voiceErrorOccurredEvent

source

```
<operation name="CSTA-Activate">
  <input message="tns:activate"/>
  <output message="tns:activateResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Clear">
  <input message="tns:clear"/>
  <output message="tns:clearResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Concatenate-Message">
  <input message="tns:concatenateMessage"/>
  <output message="tns:concatenateMessageResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Deactivate">
  <input message="tns:deactivate"/>
  <output message="tns:deactivateResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Delete-Message">
  <input message="tns:deleteMessage"/>
  <output message="tns:deleteMessageResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Play-Message">
  <input message="tns:playMessage"/>
  <output message="tns:playMessageResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Query-Voice-Attribute">
  <input message="tns:queryVoiceAttribute"/>
  <output message="tns:queryVoiceAttributeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Queue-Service">
  <input message="tns:queueService"/>
  <output message="tns:queueServiceResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
```

```
</operation>
<operation name="CSTA-Record-Message">
  <input message="tns:recordMessage"/>
  <output message="tns:recordMessageResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Reposition">
  <input message="tns:reposition"/>
  <output message="tns:repositionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Resume">
  <input message="tns:resume"/>
  <output message="tns:resumeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Review">
  <input message="tns:review"/>
  <output message="tns:reviewResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Voice-Attribute">
  <input message="tns:setVoiceAttribute"/>
  <output message="tns:setVoiceAttributeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Start">
  <input message="tns:start"/>
  <output message="tns:startResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Stop">
  <input message="tns:stop"/>
  <output message="tns:stopResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Suspend">
  <input message="tns:suspend"/>
  <output message="tns:suspendResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Synthesize-Message">
  <input message="tns:synthesizeMessage"/>
  <output message="tns:synthesizeMessageResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
```

```
</operation>
<operation name="CSTA-Bookmark-Reached-Event">
  <input message="tns:bookmarkReachedEvent"/>
</operation>
<operation name="CSTA-Completed-Event">
  <input message="tns:completedEvent"/>
</operation>
<operation name="CSTA-Dtmf-Dectected-Event">
  <input message="tns:dtmfDetectedEvent"/>
</operation>
<operation name="CSTA-Emptied-Event">
  <input message="tns:emptiedEvent"/>
</operation>
<operation name="CSTA-Interruption-Detected-Event">
  <input message="tns:interruptionDetectedEvent"/>
</operation>
<operation name="CSTA-Not-Recognized-Event">
  <input message="tns:notRecognizedEvent"/>
</operation>
<operation name="CSTA-Play-Event">
  <input message="tns:playEvent"/>
</operation>
<operation name="CSTA-Recognized-Event">
  <input message="tns:recognizedEvent"/>
</operation>
<operation name="CSTA-Record-Event">
  <input message="tns:recordEvent"/>
</operation>
<operation name="CSTA-Review-Event">
  <input message="tns:reviewEvent"/>
</operation>
<operation name="CSTA-Silence-Timeout-Expired-Event">
  <input message="tns:silenceTimeoutExpiredEvent"/>
</operation>
<operation name="CSTA-Speech-Detected-Event">
  <input message="tns:speechDetectedEvent"/>
</operation>
<operation name="CSTA-Started-Event">
  <input message="tns:startedEvent"/>
</operation>
<operation name="CSTA-Stop-Event">
  <input message="tns:stopEvent"/>
</operation>
<operation name="CSTA-Suspend-Play-Event">
  <input message="tns:suspendPlayEvent"/>
```

```
</operation>
<operation name="CSTA-Suspend-Record-Event">
  <input message="tns:suspendRecordEvent"/>
</operation>
<operation name="CSTA-Voice-Attribute-Changed-Event">
  <input message="tns:voiceAttributeChangedEvent"/>
</operation>
<operation name="CSTA-Voice-Error-Occurred-Event">
  <input message="tns:voiceErrorOccurredEvent"/>
</operation>
```

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21 Call Detail Record Features - Messages and Operations

This Clause specifies the WSDL messages and operations for the Call Detail Record features.

21.1 Messages

message **cDRNotification**

parts **parameter**

element **csta:CDRNotification**

source

```
<message name="cDRNotification">
  <part name="parameter" element="csta:CDRNotification"/>
</message>
```

message **cDRNotificationResponse**

parts **parameter**

element **csta:CDRNotificationResponse**

source

```
<message name="cDRNotificationResponse">
  <part name="parameter" element="csta:CDRNotificationResponse"/>
</message>
```

message **cDRReport**

parts **parameter**

element **csta:CDRReport**

source

```
<message name="cDRReport">
  <part name="parameter" element="csta:CDRReport"/>
</message>
```

message **cDRReportResponse**

parts **parameter**

element **csta:CDRReportResponse**

source

```
<message name="cDRReportResponse">
  <part name="parameter" element="csta:CDRReportResponse"/>
</message>
```

message **sendStoredCDR**

parts **parameter**

element **csta:SendStoredCDR**

source

```
<message name="sendStoredCDR">
 <part name="parameter" element="csta:SendStoredCDR"/>
</message>
```

message **sendStoredCDRResponse**

parts **parameter**

element **csta:SendStoredCDRResponse**

source

```
<message name="sendStoredCDRResponse">
 <part name="parameter" element="csta:SendStoredCDRResponse"/>
</message>
```

message **startCDRTransmission**

parts **parameter**

element **csta:StartCDRTransmission**

source

```
<message name="startCDRTransmission">
 <part name="parameter" element="csta:StartCDRTransmission"/>
</message>
```

message **startCDRTransmissionResponse**

parts **parameter**

element **csta:StartCDRTransmissionResponse**

source

```
<message name="startCDRTransmissionResponse">
 <part name="parameter" element="csta:StartCDRTransmissionResponse"/>
</message>
```

message **stopCDRTransmission**

parts **parameter**

element **csta:StopCDRTransmission**

source

```
<message name="stopCDRTransmission">
 <part name="parameter" element="csta:StopCDRTransmission"/>
</message>
```

message **stopCDRTransmissionResponse**

parts	**parameter**	
	element	**csta:StopCDRTransmissionResponse**

source	`<message name="stopCDRTransmissionResponse">`
	`  <part name="parameter" element="csta:StopCDRTransmissionResponse"/>`
	`</message>`	

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21.2 Operations

operations

CSTA-CDR-Notification

input **tns:cDRNotification**
output **tns:cDRNotificationResponse**
fault **tns:negResponse**

CSTA-CDR-Report

input **tns:cDRReport**
output **tns:cDRReportResponse**
fault **tns:negResponse**

CSTA-Send-Stored-CDR

input **tns:sendStoredCDR**
output **tns:sendStoredCDRResponse**
fault **tns:negResponse**

CSTA-Start-CDR-Transmission

input **tns:startCDRTransmission**
output **tns:startCDRTransmissionResponse**
fault **tns:negResponse**

CSTA-Stop-CDR-Transmission-as-input

input **tns:stopCDRTransmission**
output **tns:stopCDRTransmissionResponse**
fault **tns:negResponse**

CSTA-Stop-CDR-Transmission-as-output

input **tns:stopCDRTransmission**
output **tns:stopCDRTransmissionResponse**
fault **tns:negResponse**

source

```
<operation name="CSTA-CDR-Notification">
  <input message="tns:cDRNotification"/>
  <output message="tns:cDRNotificationResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-CDR-Report">
  <input message="tns:cDRReport"/>
  <output message="tns:cDRReportResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Send-Stored-CDR">
  <input message="tns:sendStoredCDR"/>
  <output message="tns:sendStoredCDRResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Start-CDR-Transmission">
  <input message="tns:startCDRTransmission"/>
  <output message="tns:startCDRTransmissionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Stop-CDR-Transmission-as-input">
  <input message="tns:stopCDRTransmission"/>
  <output message="tns:stopCDRTransmissionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Stop-CDR-Transmission-as-output">
  <input message="tns:stopCDRTransmission"/>
  <output message="tns:stopCDRTransmissionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
```

22 Location Services - Messages and Operations

This Clause specifies the WSDL messages and operations for the Location Services.

22.1 Messages

message **getLocationInformation**

parts **parameter**

element **csta:GetLocationInformation**

source

```
<message name="getLocationInformation">
  <part name="parameter" element="csta:GetLocationInformation"/>
</message>
```

message **getLocationInformationResponse**

parts **parameter**

element **csta:GetLocationInformationResponse**

source

```
<message name="getLocationInformationResponse">
  <part name="parameter" element="csta:GetLocationInformationResponse"/>
</message>
```

message **setLocationInformation**

parts **parameter**

element **csta:SetLocationInformation**

source

```
<message name="setLocationInformation">
  <part name="parameter" element="csta:SetLocationInformation"/>
</message>
```

message **setLocationInformationResponse**

parts **parameter**

element **csta:SetLocationInformationResponse**

source

```
<message name="setLocationInformationResponse">
  <part name="parameter" element="csta:SetLocationInformationResponse"/>
</message>
```

message **locationTrackingSessionResumed**

parts

parameter

element **csta:LocationTrackingSessionResumed**

source

```
<message name="locationTrackingSessionResumed">
  <part name="parameter" element="csta:LocationTrackingSessionResumed"/>
</message>
```

message **locationTrackingSessionResumedResponse**

parts

parameter

element **csta:LocationTrackingSessionResumedResponse**

source

```
<message name="locationTrackingSessionResumedResponse">
  <part name="parameter" element="csta:LocationTrackingSessionResumedResponse"/>
</message>
```

message **locationTrackingSessionSuspended**

parts

parameter

element **csta:LocationTrackingSessionSuspended**

source

```
<message name="locationTrackingSessionSuspended">
  <part name="parameter" element="csta:LocationTrackingSessionSuspended"/>
</message>
```

message **locationTrackingSessionSuspendedResponse**

parts

parameter

element **csta:LocationTrackingSessionSuspendedResponse**

source

```
<message name="locationTrackingSessionSuspendedResponse">
  <part name="parameter" element="csta:LocationTrackingSessionSuspendedResponse"/>
</message>
```

message **resumeLocationTrackingSession**

parts

parameter

element **csta:ResumeLocationTrackingSession**

source

```
<message name="resumeLocationTrackingSession">
  <part name="parameter" element="csta:ResumeLocationTrackingSession"/>
</message>
```

message **resumeLocationTrackingSessionResponse**

parts **parameter**

element **csta:ResumeLocationTrackingSessionResponse**

source

```xml
<message name="resumeLocationTrackingSessionResponse">
  <part name="parameter" element="csta:ResumeLocationTrackingSessionResponse"/>
</message>
```

message **locationInformationReport**

parts **parameter**

element **csta:LocationInformationReport**

source

```xml
<message name="locationInformationReport">
  <part name="parameter" element="csta:LocationInformationReport"/>
</message>
```

message **locationInformationReportResponse**

parts **parameter**

element **csta:LocationInformationReportResponse**

source

```xml
<message name="locationInformationReportResponse">
  <part name="parameter" element="csta:LocationInformationReportResponse"/>
</message>
```

message **startLocationTrackingSession**

parts **parameter**

element **csta:StartLocationTrackingSession**

source

```xml
<message name="startLocationTrackingSession">
  <part name="parameter" element="csta:StartLocationTrackingSession"/>
</message>
```

message **startLocationTrackingSessionResponse**

parts **parameter**

element **csta:StartLocationTrackingSessionResponse**

source

```xml
<message name="startLocationTrackingSessionResponse">
  <part name="parameter" element="csta:StartLocationTrackingSessionResponse"/>
</message>
```

message **stopLocationTrackingSession**

parts	**parameter** element **csta:StopLocationTrackingSession**
source	<message name="stopLocationTrackingSession"> <part name="parameter" element="csta:StopLocationTrackingSession"/> </message>

message **stopLocationTrackingSessionResponse**

parts	**parameter** element **csta:StopLocationTrackingSessionResponse**
source	<message name="stopLocationTrackingSessionResponse"> <part name="parameter" element="csta:StopLocationTrackingSessionResponse"/> </message>

message **suspendLocationTrackingSession**

parts	**parameter** element **csta:SuspendLocationTrackingSession**
source	<message name="suspendLocationTrackingSession"> <part name="parameter" element="csta:SuspendLocationTrackingSession"/> </message>

message **suspendLocationTrackingSessionResponse**

parts	**parameter** element **csta:SuspendLocationTrackingSessionResponse**
source	<message name="suspendLocationTrackingSessionResponse"> <part name="parameter" element="csta:SuspendLocationTrackingSessionResponse"/> </message>

message **getLocationTrackingCapabilities**

parts	**parameter** element **csta:GetLocationTrackingCapabilities**
source	<message name="getLocationTrackingCapabilities"> <part name="parameter" element="csta:GetLocationTrackingCapabilities"/> </message>

message **getLocationTrackingCapabilitiesResponse**

parts	**parameter** element **csta:GetLocationTrackingCapabilitiesResponse**

source	`<message name="getLocationTrackingCapabilitiesResponse">`
	`  <part name="parameter" element="csta:GetLocationTrackingCapabilitiesResponse"/>`
	`</message>`

message **getLocationTrackingSessions**

parts	**parameter** element **csta:GetLocationTrackingSessions**

source	`<message name="getLocationTrackingSessions">`
	`  <part name="parameter" element="csta:GetLocationTrackingSessions"/>`
	`</message>`

message **getLocationTrackingSessionsResponse**

parts	**parameter** element **csta:GetLocationTrackingSessionsResponse**

source	`<message name="getLocationTrackingSessionsResponse">`
	`  <part name="parameter" element="csta:GetLocationTrackingSessionsResponse"/>`
	`</message>`

message **locationSessionInfo**

parts	**parameter** element **csta:LocationSessionInfo**

source	`<message name="locationSessionInfo">`
	`  <part name="parameter" element="csta:LocationSessionInfo"/>`
	`</message>`

22.2 Operations

operations	CSTA-Get-Location-Information	
	input	tns:getLocationInformation
	output	tns:getLocationInformationResponse
	fault	tns:negResponse
	CSTA-Set-Location-Information	
	input	tns:setLocationInformation
	output	tns:setLocationInformationResponse
	fault	tns:negResponse
	CSTA-Location-Tracking-Session-Resumed	
	input	tns:locationTrackingSessionResumed
	output	tns:locationTrackingSessionResumedResponse
	fault	tns:negResponse
	CSTA-Location-Tracking-Session-Suspended	
	input	tns:locationTrackingSessionSuspended
	output	tns:locationTrackingSessionSuspendedResponse
	fault	tns:negResponse
	CSTA-Resume-Location-Tracking-Session	
	input	tns:resumeLocationTrackingSession
	output	tns:resumeLocationTrackingSessionResponse
	fault	tns:negResponse
	CSTA-Location-Information-Report	
	input	tns:locationInformationReport
	output	tns:locationInformationReportResponse
	fault	tns:negResponse
	CSTA-Start-Location-Tracking-Session	
	input	tns:startLocationTrackingSession
	output	tns:startLocationTrackingSessionResponse
	fault	tns:negResponse
	CSTA-Stop-Location-Tracking-Session	
	input	tns:stopLocationTrackingSession
	output	tns:stopLocationTrackingSessionResponse
	fault	tns:negResponse
	CSTA-Suspend-Location-Tracking-Session	
	input	tns:suspendLocationTrackingSession

output	tns:suspendLocationTrackingSessionResponse
fault	tns:negResponse

CSTA-Get-Location-Tracking-Capabilities

input	tns:getLocationTrackingCapabilities
output	tns:getLocationTrackingCapabilitiesResponse
fault	tns:negResponse

CSTA-Get-Location-Tracking-Sessions

input	tns:getLocationTrackingSessions
output	tns:getLocationTrackingSessionsResponse
fault	tns:negResponse

CSTA-Location-Session-Info

input	tns:locationSessionInfo

source

```
 <operation name="CSTA-Get-Location-Information">
   <input message="tns:getLocationInformation"/>
   <output message="tns:getLocationInformationResponse"/>
   <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Set-Location-Information">
    <input message="tns:setLocationInformation"/>
    <output message="tns:setLocationInformationResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
 <operation name="CSTA-Location-Tracking-Session-Resumed">
   <output message="tns:locationTrackingSessionResumed"/>
   <input message="tns:locationTrackingSessionResumedResponse"/>
   <fault name="FaultName" message="tns:negResponse"/>
 </operation>
<operation name="CSTA-Location-Tracking-Session-Suspended">
   <input message="tns:locationTrackingSessionSuspended"/>
   <output message="tns:locationTrackingSessionSuspendedResponse"/>
   <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Resume-Location-Tracking-Session">
   <input message="tns:resumeLocationTrackingSession"/>
   <output message="tns:resumeLocationTrackingSessionResponse"/>
   <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Location-Information-Report">
   <input message="tns:locationInformationReport"/>
   <output message="tns:locationInformationReportResponse"/>
   <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Start-Location-Tracking-Session">
  <input message="tns:startLocationTrackingSession"/>
  <output message="tns:startLocationTrackingSessionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
<operation name="CSTA-Stop-Location-Tracking-Session">
  <input message="tns:stopLocationTrackingSession"/>
  <output message="tns:stopLocationTrackingSessionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
<operation name="CSTA-Suspend-Location-Tracking-Session">
  <input message="tns:suspendLocationTrackingSession"/>
  <output message="tns:suspendLocationTrackingSessionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
<operation name="CSTA-Get-Location-Tracking-Capabilities">
  <input message="tns:getLocationTrackingCapabilities"/>
  <output message="tns:getLocationTrackingCapabilitiesResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
<operation name="CSTA-Get-Location-Tracking-Sessions">
  <input message="tns:getLocationTrackingSessions"/>
  <output message="tns:getLocationTrackingSessionsResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
<operation name="CSTA-Location-Session-Info">
  <input message="tns:locationSessionInfo"/>
 </operation>
```

23 Vendor Specific Features - Messages and Operations

This Clause specifies the WSDL messages and operations for the Vendor Specific features.

23.1 Messages

message **escapeRegister**

parts

parameter

element **csta:EscapeRegister**

source

```
<message name="escapeRegister">
  <part name="parameter" element="csta:EscapeRegister"/>
</message>
```

message **escapeRegisterResponse**

parts

parameter

element **csta:EscapeRegisterResponse**

source

```
<message name="escapeRegisterResponse">
  <part name="parameter" element="csta:EscapeRegisterResponse"/>
</message>
```

message **escapeRegisterAbort**

parts

parameter

element **csta:EscapeRegisterAbort**

source

```
<message name="escapeRegisterAbort">
  <part name="parameter" element="csta:EscapeRegisterAbort"/>
</message>
```

message **escapeRegisterCancel**

parts

parameter

element **csta:EscapeRegisterCancel**

source

```
<message name="escapeRegisterCancel">
  <part name="parameter" element="csta:EscapeRegisterCancel"/>
</message>
```

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message **escapeRegisterCancelResponse**

parts **parameter**

element **csta:EscapeRegisterCancelResponse**

source

```
<message name="escapeRegisterCancelResponse">
 <part name="parameter" element="csta:EscapeRegisterCancelResponse"/>
</message>
```

message **escape**

parts **parameter**

element **csta:Escape**

source

```
<message name="escape">
 <part name="parameter" element="csta:Escape"/>
</message>
```

message **escapeResponse**

parts **parameter**

element **csta:EscapeResponse**

source

```
<message name="escapeResponse">
 <part name="parameter" element="csta:EscapeResponse"/>
</message>
```

message **privateDataVersionSelection**

parts **parameter**

element **csta:PrivateDataVersionSelection**

source

```
<message name="privateDataVersionSelection">
 <part name="parameter" element="csta:PrivateDataVersionSelection"/>
</message>
```

message **privateDataVersionSelectionResponse**

parts **parameter**

element **csta:PrivateDataVersionSelectionResponse**

source

```
<message name="privateDataVersionSelectionResponse">
 <part name="parameter" element="csta:PrivateDataVersionSelectionResponse"/>
</message>
```

message **privateEvent**

parts **parameter**

element **csta:PrivateEvent**

source

```xml
<message name="privateEvent">
  <part name="parameter" element="csta:PrivateEvent"/>
</message>
```

23.2 Operations

operations

CSTA-EscapeRegister

input	tns:escapeRegister
output	tns:escapeRegisterResponse
fault	tns:negResponse

CSTA-Escape-Register-Abort

input	tns:escapeRegisterAbort

CSTA-Escape-Register-Cancel

input	tns:escapeRegisterCancel
output	tns:escapeRegisterCancelResponse
fault	tns:negResponse

CSTA-Escape-as-input

input	tns:escape
output	tns:escapeResponse
fault	tns:negResponse

CSTA-Escape-as-output

input	tns:escape
output	tns:escapeResponse
fault	tns:negResponse

CSTA-Private-Data-Version-Selection

input	tns:privateDataVersionSelection
output	tns:privateDataVersionSelectionResponse
fault	tns:negResponse

CSTA-Private-Event

input	tns:privateEvent

source

```
<operation name="CSTA-EscapeRegister">
 <input message="tns:escapeRegister"/>
 <output message="tns:escapeRegisterResponse"/>
 <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Escape-Register-Abort">
 <input message="tns:escapeRegisterAbort"/>
</operation>
<operation name="CSTA-Escape-Register-Cancel">
 <input message="tns:escapeRegisterCancel"/>
 <output message="tns:escapeRegisterCancelResponse"/>
 <fault name="FaultName" message="tns:negResponse"/>
```

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```
</operation>
<operation name="CSTA-Escape-as-input">
  <input message="tns:escape"/>
  <output message="tns:escapeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Escape-as-output">
  <input message="tns:escape"/>
  <output message="tns:escapeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Private-Data-Version-Selection">
  <input message="tns:privateDataVersionSelection"/>
  <output message="tns:privateDataVersionSelectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Private-Event">
  <input message="tns:privateEvent"/>
</operation>
```

24 Basic Telephony Profile – Port Type Pair

This Clause specifies the CSTA-Basic-Telephony-Profile portType and CF-CSTA-Basic-Telephony-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Basic Telephony profile as specified in ECMA-269 2.1.3.1.

Implementations may support other operations in addition to the operations specified in this port type pair.

porttype **CSTA-Basic-Telephony-Profile**

operations

CSTA-Get-Switching-Function-Capabilities

input	tns:getSwitchingFunctionCaps
output	tns:getSwitchingFunctionCapsResponse
fault	tns:negResponse

CSTA-Answer-Call

input	tns:answerCall
output	tns:answerCallResponse
fault	tns:negResponse

CSTA-Clear-Connection

input	tns:clearConnection
output	tns:clearConnectionResponse
fault	tns:negResponse

CSTA-Make-Call

input	tns:makeCall
output	tns:makeCallResponse
fault	tns:negResponse

CSTA-Monitor-Start

input	tns:monitorStart
output	tns:monitorStartResponse
fault	tns:negResponse

CSTA-Monitor-Stop-as-input

input	tns:monitorStop
output	tns:monitorStopResponse
fault	tns:negResponse

source

```
<portType name="CSTA-Basic-Telephony-Profile">
 <operation name="CSTA-Get-Switching-Function-Capabilities">
  <input message="tns:getSwitchingFunctionCaps"/>
  <output message="tns:getSwitchingFunctionCapsResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
```

```
    <operation name="CSTA-Answer-Call">
      <input message="tns:answerCall"/>
      <output message="tns:answerCallResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Clear-Connection">
      <input message="tns:clearConnection"/>
      <output message="tns:clearConnectionResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Make-Call">
      <input message="tns:makeCall"/>
      <output message="tns:makeCallResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Monitor-Start">
      <input message="tns:monitorStart"/>
      <output message="tns:monitorStartResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Monitor-Stop-as-input">
      <input message="tns:monitorStop"/>
      <output message="tns:monitorStopResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
   </portType>
```

porttype **CF-CSTA-Basic-Telephony-Profile**

operations

CSTA-Connection-Cleared-event

input **tns:connectionClearedEvent**

CSTA-Delivered-event

input **tns:deliveredEvent**

CSTA-Established-event

input **tns:establishedEvent**

CSTA-Failed-event

input **tns:failedEvent**

CSTA-Network-Reached-event

input **tns:networkReachedEvent**

CSTA-Originated-event

input **tns:originatedEvent**

CSTA-Service-Initiated-event

input **tns:serviceInitiatedEvent**

source

```
<portType name=" CF-CSTA-Basic-Telephony-Profile">
  <operation name="CSTA-Connection-Cleared-event">
    <input message="tns:connectionClearedEvent"/>
  </operation>
  <operation name="CSTA-Delivered-event">
    <input message="tns:deliveredEvent"/>
  </operation>
  <operation name="CSTA-Established-event">
    <input message="tns:establishedEvent"/>
  </operation>
  <operation name="CSTA-Failed-event">
    <input message="tns:failedEvent"/>
  </operation>
  <operation name="CSTA-Network-Reached-event">
    <input message="tns:networkReachedEvent"/>
  </operation>
  <operation name="CSTA-Originated-event">
    <input message="tns:originatedEvent"/>
  </operation>
  <operation name="CSTA-Service-Initiated-event">
    <input message="tns:serviceInitiatedEvent"/>
  </operation>
</portType>
```

25 Routeing Profile - Port Type Pair

This Clause specifies the CSTA-Routeing-Profile portType and CF-CSTA-Routeing-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Routeing profile as specified in ECMA-269 2.1.3.2.

Implementations may support other operations in addition to the operations specified in this port type pair.

porttype **CSTA-Routeing-Profile**

operations

CSTA-Route-Select

input **tns:routeSelect**

source

```xml
<portType name="CSTA-Routeing-Profile">
    <operation name="CSTA-Route-Select">
      <input message="tns:routeSelect"/>
    </operation>
  </portType>
```

porttype **CF-CSTA-Routeing-Profile**

operations

CSTA-Route-Request

input **tns:routeRequest**

CSTA-Route-End-as-output

input **tns:routeEnd**

source

```xml
<portType name=" CF-CSTA-Routeing-Profile">
  <operation name="CSTA-Route-Request">
    <input message="tns:routeRequest"/>
  </operation>
  <operation name="CSTA-Route-End-as-output">
    <input message="tns:routeEnd"/>
  </operation>
</portType>
```

26 Level 1a Voice Browser Profile - Port Type Pair

This Clause specifies the CSTA-Level-1a-Voice-Browser-Profile portType and CF- CSTA-Level-1a-Voice-Browser-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Level 1a Voice Browser profile as specified in ECMA-269 2.1.3.3.

Implementations may support other operations in addition to the operations specified in this port type pair.

porttype **CSTA-Level-1a-Voice-Browser-Profile**

operations

CSTA-Answer-Call

input	**tns:answerCall**
output	**tns:answerCallResponse**
fault	**tns:negResponse**

CSTA-Clear-Connection

input	**tns:clearConnection**
output	**tns:clearConnectionResponse**
fault	**tns:negResponse**

CSTA-Single-Step-Transfer-Call

input	**tns:singleStepTransferCall**
output	**tns:singleStepTransferCallResponse**
fault	**tns:negResponse**

CSTA-Monitor-Start

input	**tns:monitorStart**
output	**tns:monitorStartResponse**
fault	**tns:negResponse**

CSTA-Monitor-Stop-as-input

input	**tns:monitorStop**
output	**tns:monitorStopResponse**
fault	**tns:negResponse**

source

```
<portType name="CSTA-Level-1a-Voice-Browser-Profile">
 <operation name="CSTA-Answer-Call">
  <input message="tns:answerCall"/>
  <output message="tns:answerCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Clear-Connection">
  <input message="tns:clearConnection"/>
  <output message="tns:clearConnectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
```

```
    </operation>
    <operation name="CSTA-Single-Step-Transfer-Call">
      <input message="tns:singleStepTransferCall"/>
      <output message="tns:singleStepTransferCallResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Monitor-Start">
      <input message="tns:monitorStart"/>
      <output message="tns:monitorStartResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Monitor-Stop-as-input">
      <input message="tns:monitorStop"/>
      <output message="tns:monitorStopResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
  </portType>
```

porttype **CF-CSTA-Level-1a-Voice-Browser-Profile**

operations

CSTA-Connection-Cleared-event

input **tns:connectionClearedEvent**

CSTA-Failed-event

input **tns:failedEvent**

CSTA-Delivered-event

input **tns:deliveredEvent**

CSTA-Transferred-event

input **tns:transferedEvent**

CSTA-Established-event

input **tns:establishedEvent**

source

```
<portType name="CF-CSTA-Level-1a-Voice-Browser-Profile">
  <operation name="CSTA-Connection-Cleared-event">
    <input message="tns:connectionClearedEvent"/>
  </operation>
  <operation name="CSTA-Failed-event">
    <input message="tns:failedEvent"/>
  </operation>
  <operation name="CSTA-Delivered-event">
    <input message="tns:deliveredEvent"/>
  </operation>
  <operation name="CSTA-Transferred-event">
  <input message="tns:transferedEvent"/>
 </operation>
 <operation name="CSTA-Established-event">
  <input message="tns:establishedEvent"/>
 </operation>
</portType>
```

27 Level 1b Voice Browser Profile - Port Type Pair

This Clause specifies the CSTA-Level-1b-Voice-Browser-Profile portType and CSTA-Level-1b-Voice-Browser-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Level 1b Voice Browser profile as specified in ECMA-269 2.1.3.4.

Implementations may support other operations in addition to the operations specified in this port type pair.

porttype **CSTA-Level-1b-Voice-Browser-Profile**

operations

CSTA-Answer-Call

input	tns:answerCall
output	tns:answerCallResponse
fault	tns:negResponse

CSTA-Clear-Connection

input	tns:clearConnection
output	tns:clearConnectionResponse
fault	tns:negResponse

CSTA-Deflect-Call

input	tns:deflectCall
output	tns:deflectCallResponse
fault	tns:negResponse

CSTA-Monitor-Start

input	tns:monitorStart
output	tns:monitorStartResponse
fault	tns:negResponse

CSTA-Monitor-Stop-as-input

input	tns:monitorStop
output	tns:monitorStopResponse
fault	tns:negResponse

source

```
<portType name="CSTA-Level-1b-Voice-Browser-Profile">
  <operation name="CSTA-Answer-Call">
    <input message="tns:answerCall"/>
    <output message="tns:answerCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Clear-Connection">
    <input message="tns:clearConnection"/>
    <output message="tns:clearConnectionResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Deflect-Call">
    <input message="tns:deflectCall"/>
    <output message="tns:deflectCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Monitor-Start">
    <input message="tns:monitorStart"/>
    <output message="tns:monitorStartResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Monitor-Stop-as-input">
    <input message="tns:monitorStop"/>
    <output message="tns:monitorStopResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
</portType>
```

porttype **CF-CSTA-Level-1b-Voice-Browser-Profile**

operations

CSTA-Connection-Cleared-event

input **tns:connectionClearedEvent**

CSTA-Failed-event

input **tns:failedEvent**

CSTA-Delivered-event

input **tns:deliveredEvent**

CSTA-Diverted-event

input **tns:divertedEvent**

CSTA-Established-event

input **tns:establishedEvent**

source

```
<portType name="CF-CSTA-Level-1b-Voice-Browser-Profile">
  <operation name="CSTA-Connection-Cleared-event">
    <input message="tns:connectionClearedEvent"/>
  </operation>
  <operation name="CSTA-Failed-event">
    <input message="tns:failedEvent"/>
  </operation>
  <operation name="CSTA-Delivered-event">
    <input message="tns:deliveredEvent"/>
  </operation>
  <operation name="CSTA-Diverted-event">
    <input message="tns:divertedEvent"/>
    </operation>
    <operation name="CSTA-Established-event">
      <input message="tns:establishedEvent"/>
    </operation>
  </portType>
```

28 Level 2a Voice Browser Profile - Port Type Pair

This Clause specifies the CSTA-Level-2a-Voice-Browser-Profile portType and CF-CSTA-Level-2a-Voice-Browser-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Level 2a Voice Browser profile as specified in ECMA-269 2.1.3.5.

Implementations may support other operations in addition to the operations specified in this port type pair.

porttype **CSTA-Level-2a-Voice-Browser-Profile**

operations

CSTA-Answer-Call

input	tns:answerCall
output	tns:answerCallResponse
fault	tns:negResponse

CSTA-Clear-Connection

input	tns:clearConnection
output	tns:clearConnectionResponse
fault	tns:negResponse

CSTA-Make-Call

input	tns:makeCall
output	tns:makeCallResponse
fault	tns:negResponse

CSTA-Single-Step-Transfer-Call

input	tns:singleStepTransferCall
output	tns:singleStepTransferCallResponse
fault	tns:negResponse

CSTA-Monitor-Start

input	tns:monitorStart
output	tns:monitorStartResponse
fault	tns:negResponse

CSTA-Monitor-Stop-as-input

input	tns:monitorStop
output	tns:monitorStopResponse
fault	tns:negResponse

source

```
<portType name="CSTA-Level-2a-Voice-Browser-Profile">
 <operation name="CSTA-Answer-Call">
  <input message="tns:answerCall"/>
  <output message="tns:answerCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
```

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```
<operation name="CSTA-Clear-Connection">
  <input message="tns:clearConnection"/>
  <output message="tns:clearConnectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Make-Call">
  <input message="tns:makeCall"/>
  <output message="tns:makeCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Single-Step-Transfer-Call">
  <input message="tns:singleStepTransferCall"/>
  <output message="tns:singleStepTransferCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Monitor-Start">
  <input message="tns:monitorStart"/>
  <output message="tns:monitorStartResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Monitor-Stop-as-input">
  <input message="tns:monitorStop"/>
  <output message="tns:monitorStopResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
</portType>
```

porttype **CF-CSTA-Level-2a-Voice-Browser-Profile**

operations

CSTA-Connection-Cleared-event

input **tns:connectionClearedEvent**

CSTA-Delivered-event

input **tns:deliveredEvent**

CSTA-Established-event

input **tns:establishedEvent**

CSTA-Failed-event

input **tns:failedEvent**

CSTA-Network-Reached-event

input **tns:networkReachedEvent**

CSTA-Originated-event

input tns:originatedEvent

CSTA-Transferred-event

input tns:transferedEvent

source

```
<portType name="CF-CSTA-Level-2a-Voice-Browser-Profile">
  <operation name="CSTA-Connection-Cleared-event">
    <input message="tns:connectionClearedEvent"/>
  </operation>
  <operation name="CSTA-Delivered-event">
    <input message="tns:deliveredEvent"/>
  </operation>
  <operation name="CSTA-Established-event">
    <input message="tns:establishedEvent"/>
  </operation>
  <operation name="CSTA-Failed-event">
    <input message="tns:failedEvent"/>
  </operation>
  <operation name="CSTA-Network-Reached-event">
    <input message="tns:networkReachedEvent"/>
  </operation>
  <operation name="CSTA-Originated-event">
    <input message="tns:originatedEvent"/>
  </operation>
  <operation name="CSTA-Transferred-event">
    <input message="tns:transferedEvent"/>
  </operation>
</portType>
```

29 Level 2b Voice Browser Profile - Port Type Pair

This Clause specifies the CSTA-Level-2b-Voice-Browser-Profile portType and CF- CSTA-Level-2b-Voice-Browser-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Level 2b Voice Browser profile as specified in ECMA-269 2.1.3.5.

Implementations may support other operations in addition to the operations specified in this port type pair.

porttype **CSTA-Level-2b-Voice-Browser-Profile**

operations

CSTA-Answer-Call

input	tns:answerCall
output	tns:answerCallResponse
fault	tns:negResponse

CSTA-Clear-Connection

input	tns:clearConnection
output	tns:clearConnectionResponse
fault	tns:negResponse

CSTA-Make-Call

input	tns:makeCall
output	tns:makeCallResponse
fault	tns:negResponse

CSTA-Deflect-Call

input	tns:deflectCall
output	tns:deflectCallResponse
fault	tns:negResponse

CSTA-Monitor-Start

input	tns:monitorStart
output	tns:monitorStartResponse
fault	tns:negResponse

CSTA-Monitor-Stop-as-input

input	tns:monitorStop
output	tns:monitorStopResponse
fault	tns:negResponse

source

```
<portType name="CSTA-Level-2b-Voice-Browser-Profile">
  <operation name="CSTA-Answer-Call">
    <input message="tns:answerCall"/>
    <output message="tns:answerCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
```

```
<operation name="CSTA-Clear-Connection">
  <input message="tns:clearConnection"/>
  <output message="tns:clearConnectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Make-Call">
  <input message="tns:makeCall"/>
  <output message="tns:makeCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Deflect-Call">
  <input message="tns:deflectCall"/>
  <output message="tns:deflectCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Monitor-Start">
  <input message="tns:monitorStart"/>
  <output message="tns:monitorStartResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Monitor-Stop-as-input">
  <input message="tns:monitorStop"/>
  <output message="tns:monitorStopResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
</portType>
```

porttype **CF-CSTA-Level-2b-Voice-Browser-Profile**

operations

CSTA-Connection-Cleared-event

input **tns:connectionClearedEvent**

CSTA-Delivered-event

input **tns:deliveredEvent**

CSTA-Established-event

input **tns:establishedEvent**

CSTA-Failed-event

input **tns:failedEvent**

CSTA-Network-Reached-event

input **tns:networkReachedEvent**

CSTA-Originated-event

input tns:originatedEvent

CSTA-Diverted-event

input tns:divertedEvent

source

```
<portType name="CF-CSTA-Level-2b-Voice-Browser-Profile">
  <operation name="CSTA-Connection-Cleared-event">
    <input message="tns:connectionClearedEvent"/>
  </operation>
  <operation name="CSTA-Delivered-event">
    <input message="tns:deliveredEvent"/>
  </operation>
  <operation name="CSTA-Established-event">
    <input message="tns:establishedEvent"/>
  </operation>
  <operation name="CSTA-Failed-event">
    <input message="tns:failedEvent"/>
  </operation>
  <operation name="CSTA-Network-Reached-event">
    <input message="tns:networkReachedEvent"/>
  </operation>
  <operation name="CSTA-Originated-event">
    <input message="tns:originatedEvent"/>
  </operation>
  <operation name="CSTA-Diverted-event">
    <input message="tns:divertedEvent"/>
  </operation>
</portType>
```

30 Minimal uaCSTA Call Control Profile – Port Type

This Clause specifies the CSTA-Minimal-uaCSTA-Call-Control-Profile portType. This portType specifies the required CSTA WSDL operations to support the CSTA Minimal uaCSTA Call Control Profile as specified in ECMA-269 2.1.3.6.

Implementations may support other operations in addition to the operations specified in this port type.

porttype **CSTA-Minimal-uaCSTA-Call-Control-Profile**

operations

CSTA-Answer-Call

input tns:answerCall
output tns:answerCallResponse
fault tns:negResponse

CSTA-Clear-Connection

input tns:clearConnection
output tns:clearConnectionResponse
fault tns:negResponse

CSTA-Deflect-Call

input tns:deflectCall
output tns:deflectCallResponse
fault tns:negResponse

CSTA-Hold-Call

input tns:holdCall
output tns:holdCallResponse
fault tns:negResponse

CSTA-Make-Call

input tns:makeCall
output tns:makeCallResponse
fault tns:negResponse

CSTA-Retrieve-Call

input tns:retrieveCall
output tns:retrieveCallResponse
fault tns:negResponse

CSTA-Single-Step-Transfer-Call

input tns:singleStepTransferCall
output tns:singleStepTransferCallResponse
fault tns:negResponse

source

```
<portType name="CSTA-Minimal-uaCSTA-Call-Control-Profile">
```

```
  <operation name="CSTA-Answer-Call">
    <input message="tns:answerCall"/>
    <output message="tns:answerCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Clear-Connection">
    <input message="tns:clearConnection"/>
    <output message="tns:clearConnectionResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Deflect-Call">
    <input message="tns:deflectCall"/>
    <output message="tns:deflectCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Hold-Call">
    <input message="tns:holdCall"/>
    <output message="tns:holdCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Make-Call">
    <input message="tns:makeCall"/>
    <output message="tns:makeCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Retrieve-Call">
    <input message="tns:retrieveCall"/>
    <output message="tns:retrieveCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Single-Step-Transfer-Call">
    <input message="tns:singleStepTransferCall"/>
    <output message="tns:singleStepTransferCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
</portType>
```

31 Basic uaCSTA Call Control Profile – Port Type Pair

This Clause specifies the CSTA-Basic-uaCSTA-Call-Control-Profile portType and CF-CSTA-Basic-uaCSTA-Call-Control-Profile port. This portType pair specifies the required CSTA WSDL operations to support the CSTA Basic uaCSTA Call Control Profile as specified in ECMA-269 2.1.3.7.

Implementations may support other operations in addition to the operations specified in this port type pair.

porttype **CSTA-Basic-uaCSTA-Call-Control-Profile**

operations	**CSTA-Answer-Call**	
	input	tns:answerCall
	output	tns:answerCallResponse
	fault	tns:negResponse
	CSTA-Clear-Connection	
	input	tns:clearConnection
	output	tns:clearConnectionResponse
	fault	tns:negResponse
	CSTA-Deflect-Call	
	input	tns:deflectCall
	output	tns:deflectCallResponse
	fault	tns:negResponse
	CSTA-Hold-Call	
	input	tns:holdCall
	output	tns:holdCallResponse
	fault	tns:negResponse
	CSTA-Make-Call	
	input	tns:makeCall
	output	tns:makeCallResponse
	fault	tns:negResponse
	CSTA-Retrieve-Call	
	input	tns:retrieveCall
	output	tns:retrieveCallResponse
	fault	tns:negResponse
	CSTA-Single-Step-Transfer-Call	
	input	tns:singleStepTransferCall
	output	tns:singleStepTransferCallResponse
	fault	tns:negResponse

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CSTA-Monitor-Start

input	tns:monitorStart
output	tns:monitorStartResponse
fault	tns:negResponse

CSTA-Monitor-Stop-as-input

input	tns:monitorStop
output	tns:monitorStopResponse
fault	tns:negResponse

source

```
<portType name="CSTA-Basic-uaCSTA-Call-Control-Profile">
 <operation name="CSTA-Answer-Call">
  <input message="tns:answerCall"/>
  <output message="tns:answerCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Clear-Connection">
  <input message="tns:clearConnection"/>
  <output message="tns:clearConnectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Deflect-Call">
  <input message="tns:deflectCall"/>
  <output message="tns:deflectCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Hold-Call">
  <input message="tns:holdCall"/>
  <output message="tns:holdCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Make-Call">
  <input message="tns:makeCall"/>
  <output message="tns:makeCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Retrieve-Call">
  <input message="tns:retrieveCall"/>
  <output message="tns:retrieveCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Single-Step-Transfer-Call">
  <input message="tns:singleStepTransferCall"/>
  <output message="tns:singleStepTransferCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
```

```
  <operation name="CSTA-Monitor-Start">
    <input message="tns:monitorStart"/>
    <output message="tns:monitorStartResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Monitor-Stop-as-input">
    <input message="tns:monitorStop"/>
    <output message="tns:monitorStopResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
</portType>
```

porttype **CF-CSTA-Basic-uaCSTA-Call-Control-Profile**

operations

CSTA-Connection-Cleared-event

input **tns:connectionClearedEvent**

CSTA-Delivered-event

input **tns:deliveredEvent**

CSTA-Diverted-event

input **tns:divertedEvent**

CSTA-Established-event

input **tns:establishedEvent**

CSTA-Failed-event

input **tns:failedEvent**

CSTA-Held-event

input **tns:heldEvent**

CSTA-Network-Reached-event

input **tns:networkReachedEvent**

CSTA-Retrieved-event

input **tns:retrievedEvent**

CSTA-Service-Initiated-event

input **tns:serviceInitiatedEvent**

CSTA-Transferred-event

input **tns:transferedEvent**

source

```
<portType name="CF-CSTA-Basic-uaCSTA-Call-Control-Profile">
  <operation name="CSTA-Connection-Cleared-event">
  <input message="tns:connectionClearedEvent"/>
 </operation>
 <operation name="CSTA-Delivered-event">
  <input message="tns:deliveredEvent"/>
 </operation>
 <operation name="CSTA-Diverted-event">
  <input message="tns:divertedEvent"/>
 </operation>
 <operation name="CSTA-Established-event">
  <input message="tns:establishedEvent"/>
 </operation>
 <operation name="CSTA-Failed-event">
  <input message="tns:failedEvent"/>
 </operation>
 <operation name="CSTA-Held-event">
  <input message="tns:heldEvent"/>
 </operation>
 <operation name="CSTA-Network-Reached-event">
  <input message="tns:networkReachedEvent"/>
 </operation>
 <operation name="CSTA-Retrieved-event">
  <input message="tns:retrievedEvent"/>
 </operation>
 <operation name="CSTA-Service-Initiated-event">
  <input message="tns:serviceInitiatedEvent"/>
 </operation>
 <operation name="CSTA-Transferred-event">
  <input message="tns:transferedEvent"/>
 </operation>
</portType>
```

32 Advanced uaCSTA Call Control Profile – Port Type Pair

This Clause specifies the CSTA-Advanced-uaCSTA-Call-Control-Profile portType and CF- CSTA-Advanced-uaCSTA-Call-Control-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Advanced uaCSTA Call Control Profile as specified in ECMA-269 2.1.3.8.

Implementations may support other operations in addition to the operations specified in this port type pair.

porttype **CSTA-Advanced-uaCSTA-Call-Control-Profile**

operations	**CSTA-Alternate-Call**		
		input	**tns:alternateCall**
		output	**tns:alternateCallResponse**
		fault	**tns:negResponse**
	CSTA-Answer-Call		
		input	**tns:answerCall**
		output	**tns:answerCallResponse**
		fault	**tns:negResponse**
	CSTA-Clear-Connection		
		input	**tns:clearConnection**
		output	**tns:clearConnectionResponse**
		fault	**tns:negResponse**
	CSTA-Consultation-Call		
		input	**tns:consultationCall**
		output	**tns:consultationCallResponse**
		fault	**tns:negResponse**
	CSTA-Deflect-Call		
		input	**tns:deflectCall**
		output	**tns:deflectCallResponse**
		fault	**tns:negResponse**
	CSTA-Hold-Call		
		input	**tns:holdCall**
		output	**tns:holdCallResponse**
		fault	**tns:negResponse**
	CSTA-Make-Call		
		input	**tns:makeCall**
		output	**tns:makeCallResponse**
		fault	**tns:negResponse**

CSTA-Reconnect-Call

input	tns:reconnectCall
output	tns:reconnectCallResponse
fault	tns:negResponse

CSTA-Retrieve-Call

input	tns:retrieveCall
output	tns:retrieveCallResponse
fault	tns:negResponse

CSTA-Single-Step-Transfer-Call

input	tns:singleStepTransferCall
output	tns:singleStepTransferCallResponse
fault	tns:negResponse

CSTA-Transfer-Call

input	tns:transferCall
output	tns:transferCallResponse
fault	tns:negResponse

CSTA-Monitor-Start

input	tns:monitorStart
output	tns:monitorStartResponse
fault	tns:negResponse

CSTA-Monitor-Stop-as-input

input	tns:monitorStop
output	tns:monitorStopResponse
fault	tns:negResponse

CSTA-Get-Switching-Function-Capabilities

input	tns:getSwitchingFunctionCaps
output	tns:getSwitchingFunctionCapsResponse
fault	tns:negResponse

source

```
<portType name="CSTA-Advanced-uaCSTA-Call-Control-Profile">
 <operation name="CSTA-Alternate-Call">
  <input message="tns:alternateCall"/>
  <output message="tns:alternateCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Answer-Call">
  <input message="tns:answerCall"/>
  <output message="tns:answerCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
```

```
</operation>
<operation name="CSTA-Clear-Connection">
  <input message="tns:clearConnection"/>
  <output message="tns:clearConnectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Consultation-Call">
  <input message="tns:consultationCall"/>
  <output message="tns:consultationCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Deflect-Call">
  <input message="tns:deflectCall"/>
  <output message="tns:deflectCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Hold-Call">
  <input message="tns:holdCall"/>
  <output message="tns:holdCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Make-Call">
  <input message="tns:makeCall"/>
  <output message="tns:makeCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Reconnect-Call">
  <input message="tns:reconnectCall"/>
  <output message="tns:reconnectCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Retrieve-Call">
  <input message="tns:retrieveCall"/>
  <output message="tns:retrieveCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Single-Step-Transfer-Call">
  <input message="tns:singleStepTransferCall"/>
  <output message="tns:singleStepTransferCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Transfer-Call">
  <input message="tns:transferCall"/>
  <output message="tns:transferCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
```

```
    </operation>
    <operation name="CSTA-Monitor-Start">
      <input message="tns:monitorStart"/>
      <output message="tns:monitorStartResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Monitor-Stop-as-input">
      <input message="tns:monitorStop"/>
      <output message="tns:monitorStopResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Get-Switching-Function-Capabilities">
      <input message="tns:getSwitchingFunctionCaps"/>
      <output message="tns:getSwitchingFunctionCapsResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
  </portType>
```

porttype **CF-CSTA-Advanced-uaCSTA-Call-Control-Profile**

operations

CSTA-Connection-Cleared-event

input **tns:connectionClearedEvent**

CSTA-Delivered-event

input **tns:deliveredEvent**

CSTA-Diverted-event

input **tns:divertedEvent**

CSTA-Established-event

input **tns:establishedEvent**

CSTA-Failed-event

input **tns:failedEvent**

CSTA-Held-event

input **tns:heldEvent**

CSTA-Network-Reached-event

input **tns:networkReachedEvent**

CSTA-Originated-event

input **tns:originatedEvent**

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CSTA-Retrieved-event

input tns:retrievedEvent

CSTA-Service-Initiated-event

input tns:serviceInitiatedEvent

CSTA-Transferred-event

input tns:transferedEvent

source

```
<portType name="CF-CSTA-Advanced-uaCSTA-Call-Control-Profile">
  <operation name="CSTA-Delivered-event">
    <input message="tns:deliveredEvent"/>
  </operation>
  <operation name="CSTA-Diverted-event">
    <input message="tns:divertedEvent"/>
  </operation>
  <operation name="CSTA-Established-event">
    <input message="tns:establishedEvent"/>
  </operation>
  <operation name="CSTA-Failed-event">
    <input message="tns:failedEvent"/>
  </operation>
  <operation name="CSTA-Held-event">
    <input message="tns:heldEvent"/>
  </operation>
  <operation name="CSTA-Network-Reached-event">
    <input message="tns:networkReachedEvent"/>
  </operation>
  <operation name="CSTA-Originated-event">
    <input message="tns:originatedEvent"/>
  </operation>
  <operation name="CSTA-Retrieved-event">
    <input message="tns:retrievedEvent"/>
  </operation>
  <operation name="CSTA-Service-Initiated-event">
    <input message="tns:serviceInitiatedEvent"/>
  </operation>
  <operation name="CSTA-Transferred-event">
    <input message="tns:transferedEvent"/>
  </operation>
</portType>
```

33 Conferencing uaCSTA with Basic Call Control Profile – Port Type Pair

This Clause specifies the CSTA-Conferencing-uaCSTA-Basic-Call-Control-Profile portType and CF- CSTA-Conferencing-uaCSTA-Basic-Call-Control-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Conferencing uaCSTA Profile with the Basic uaCSTA Call Control Profile as specified in ECMA-269 2.1.3.9.

Implementations may support other operations in addition to the operations specified in this port type pair.

porttype **CSTA-Conferencing-uaCSTA-Basic-Call-Control-Profile**

operations	**CSTA-Answer-Call**	
	input	**tns:answerCall**
	output	**tns:answerCallResponse**
	fault	**tns:negResponse**
	CSTA-Clear-Connection	
	input	**tns:clearConnection**
	output	**tns:clearConnectionResponse**
	fault	**tns:negResponse**
	CSTA-Deflect-Call	
	input	**tns:deflectCall**
	output	**tns:deflectCallResponse**
	fault	**tns:negResponse**
	CSTA-Hold-Call	
	input	**tns:holdCall**
	output	**tns:holdCallResponse**
	fault	**tns:negResponse**
	CSTA-Make-Call	
	input	**tns:makeCall**
	output	**tns:makeCallResponse**
	fault	**tns:negResponse**
	CSTA-Retrieve-Call	
	input	**tns:retrieveCall**
	output	**tns:retrieveCallResponse**
	fault	**tns:negResponse**
	CSTA-Single-Step-Transfer-Call	
	input	**tns:singleStepTransferCall**
	output	**tns:singleStepTransferCallResponse**
	fault	**tns:negResponse**

CSTA-Monitor-Start

input	tns:monitorStart
output	tns:monitorStartResponse
fault	tns:negResponse

CSTA-Monitor-Stop-as-input

input	tns:monitorStop
output	tns:monitorStopResponse
fault	tns:negResponse

source

```
<portType name="CSTA-Conferencing-uaCSTA-Basic-Call-Control-Profile">
 <operation name="CSTA-Answer-Call">
  <input message="tns:answerCall"/>
  <output message="tns:answerCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Clear-Connection">
  <input message="tns:clearConnection"/>
  <output message="tns:clearConnectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Deflect-Call">
  <input message="tns:deflectCall"/>
  <output message="tns:deflectCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Hold-Call">
  <input message="tns:holdCall"/>
  <output message="tns:holdCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Make-Call">
  <input message="tns:makeCall"/>
  <output message="tns:makeCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Retrieve-Call">
  <input message="tns:retrieveCall"/>
  <output message="tns:retrieveCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Single-Step-Transfer-Call">
  <input message="tns:singleStepTransferCall"/>
  <output message="tns:singleStepTransferCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Connection-Cleared-event">
   <output message="tns:connectionClearedEvent"/>
 </operation>
 <operation name="CSTA-Monitor-Start">
   <input message="tns:monitorStart"/>
   <output message="tns:monitorStartResponse"/>
   <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Monitor-Stop-as-input">
   <input message="tns:monitorStop"/>
   <output message="tns:monitorStopResponse"/>
   <fault name="FaultName" message="tns:negResponse"/>
 </operation>
</portType>
```

porttype **CF-CSTA-Conferencing-uaCSTA-Basic-Call-Control-Profile**

operations

CSTA-Connection-Cleared-event

input **tns:connectionClearedEvent**

CSTA-Delivered-event

input **tns:deliveredEvent**

CSTA-Diverted-event

input **tns:divertedEvent**

CSTA-Established-event

input **tns:establishedEvent**

CSTA-Failed-event

input **tns:failedEvent**

CSTA-Held-event

input **tns:heldEvent**

CSTA-Network-Reached-event

input **tns:networkReachedEvent**

CSTA-Retrieved-event

input **tns:retrievedEvent**

CSTA-Service-Initiated-event

input **tns:serviceInitiatedEvent**

CSTA-Transferred-event

input **tns:transferedEvent**

source

```
<portType name="CF-CSTA-Conferencing-uaCSTA-Basic-Call-Control-Profile">
  <operation name="CSTA-Connection-Cleared-event">
    <output message="tns:connectionClearedEvent"/>
  </operation>
  <operation name="CSTA-Delivered-event">
    <input message="tns:deliveredEvent"/>
  </operation>
  <operation name="CSTA-Diverted-event">
    <input message="tns:divertedEvent"/>
  </operation>
  <operation name="CSTA-Established-event">
    <input message="tns:establishedEvent"/>
  </operation>
  <operation name="CSTA-Failed-event">
    <input message="tns:failedEvent"/>
  </operation>
  <operation name="CSTA-Held-event">
    <input message="tns:heldEvent"/>
  </operation>
  <operation name="CSTA-Network-Reached-event">
    <input message="tns:networkReachedEvent"/>
  </operation>
  <operation name="CSTA-Retrieved-event">
    <input message="tns:retrievedEvent"/>
  </operation>
  <operation name="CSTA-Service-Initiated-event">
    <input message="tns:serviceInitiatedEvent"/>
  </operation>
  <operation name="CSTA-Transferred-event">
    <input message="tns:transferedEvent"/>
  </operation>
</portType>
```

34 Conferencing uaCSTA with Advanced Call Control Profile – Port Type Pair

This Clause specifies the CSTA-Conferencing-uaCSTA-Advanced-Call-Control-Profile portType and CF-CSTA-Conferencing-uaCSTA-Advanced-Call-Control-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Conferencing uaCSTA Call Control Profile with the Advanced uaCSTA Call Control Profile as specified in ECMA-269 2.1.3.9.

Implementations may support other operations in addition to the operations specified in this port type pair.

porttype **CSTA-Conferencing-uaCSTA-Advanced-Call-Control-Profile**

operations	**CSTA-Alternate-Call**	
	input	tns:alternateCall
	output	tns:alternateCallResponse
	fault	tns:negResponse
	CSTA-Answer-Call	
	input	tns:answerCall
	output	tns:answerCallResponse
	fault	tns:negResponse
	CSTA-Clear-Connection	
	input	tns:clearConnection
	output	tns:clearConnectionResponse
	fault	tns:negResponse
	CSTA-Conference-Call	
	input	tns:conferenceCall
	output	tns:conferenceCallResponse
	fault	tns:negResponse
	CSTA-Consultation-Call	
	input	tns:consultationCall
	output	tns:consultationCallResponse
	fault	tns:negResponse
	CSTA-Deflect-Call	
	input	tns:deflectCall
	output	tns:deflectCallResponse
	fault	tns:negResponse
	CSTA-Hold-Call	
	input	tns:holdCall
	output	tns:holdCallResponse
	fault	tns:negResponse

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CSTA-Make-Call

input	tns:makeCall
output	tns:makeCallResponse
fault	tns:negResponse

CSTA-Reconnect-Call

input	tns:reconnectCall
output	tns:reconnectCallResponse
fault	tns:negResponse

CSTA-Retrieve-Call

input	tns:retrieveCall
output	tns:retrieveCallResponse
fault	tns:negResponse

CSTA-Single-Step-Conference-Call

input	tns:singleStepConferenceCall
output	tns:singleStepConferenceCallResponse
fault	tns:negResponse

CSTA-Single-Step-Transfer-Call

input	tns:singleStepTransferCall
output	tns:singleStepTransferCallResponse
fault	tns:negResponse

CSTA-Transfer-Call

input	tns:transferCall
output	tns:transferCallResponse
fault	tns:negResponse

CSTA-Monitor-Start

input	tns:monitorStart
output	tns:monitorStartResponse
fault	tns:negResponse

CSTA-Monitor-Stop-as-input

input	tns:monitorStop
output	tns:monitorStopResponse
fault	tns:negResponse

CSTA-Get-Switching-Function-Capabilities

input	tns:getSwitchingFunctionCaps
output	tns:getSwitchingFunctionCapsResponse
fault	tns:negResponse

source
```
<portType name="CSTA-Conferencing-uaCSTA-Advanced-Call-Control-Profile">
```

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```
<operation name="CSTA-Alternate-Call">
  <input message="tns:alternateCall"/>
  <output message="tns:alternateCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Answer-Call">
  <input message="tns:answerCall"/>
  <output message="tns:answerCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Clear-Connection">
  <input message="tns:clearConnection"/>
  <output message="tns:clearConnectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Conference-Call">
  <input message="tns:conferenceCall"/>
  <output message="tns:conferenceCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Consultation-Call">
  <input message="tns:consultationCall"/>
  <output message="tns:consultationCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Deflect-Call">
  <input message="tns:deflectCall"/>
  <output message="tns:deflectCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Hold-Call">
  <input message="tns:holdCall"/>
  <output message="tns:holdCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Make-Call">
  <input message="tns:makeCall"/>
  <output message="tns:makeCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Reconnect-Call">
  <input message="tns:reconnectCall"/>
  <output message="tns:reconnectCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
```

```
  <operation name="CSTA-Retrieve-Call">
    <input message="tns:retrieveCall"/>
    <output message="tns:retrieveCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Single-Step-Conference-Call">
    <input message="tns:singleStepConferenceCall"/>
    <output message="tns:singleStepConferenceCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Single-Step-Transfer-Call">
    <input message="tns:singleStepTransferCall"/>
    <output message="tns:singleStepTransferCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Transfer-Call">
    <input message="tns:transferCall"/>
    <output message="tns:transferCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Monitor-Start">
    <input message="tns:monitorStart"/>
    <output message="tns:monitorStartResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Monitor-Stop-as-input">
    <input message="tns:monitorStop"/>
    <output message="tns:monitorStopResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Get-Switching-Function-Capabilities">
    <input message="tns:getSwitchingFunctionCaps"/>
    <output message="tns:getSwitchingFunctionCapsResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
</portType>
```

porttype **CF-CSTA-Conferencing-uaCSTA-Advanced-Call-Control-Profile**

operations

CSTA-Conferenced-event

input **tns:conferencedEvent**

CSTA-Connection-Cleared-event

input **tns:connectionClearedEvent**

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CSTA-Delivered-event

input **tns:deliveredEvent**

CSTA-Diverted-event

input **tns:divertedEvent**

CSTA-Established-event

input **tns:establishedEvent**

CSTA-Failed-event

input **tns:failedEvent**

CSTA-Held-event

input **tns:heldEvent**

CSTA-Network-Reached-event

input **tns:networkReachedEvent**

CSTA-Originated-event

input **tns:originatedEvent**

CSTA-Retrieved-event

input **tns:retrievedEvent**

CSTA-Service-Initiated-event

input **tns:serviceInitiatedEvent**

CSTA-Transferred-event

input **tns:transferedEvent**

source

```
<portType name="CF-CSTA-Conferencing-uaCSTA-Advanced-Call-Control-Profile">
 <operation name="CSTA-Conferenced-event">
  <input message="tns:conferencedEvent"/>
 </operation>
 <operation name="CSTA-Connection-Cleared-event">
  <input message="tns:connectionClearedEvent"/>
 </operation>
 <operation name="CSTA-Delivered-event">
  <input message="tns:deliveredEvent"/>
 </operation>
 <operation name="CSTA-Diverted-event">
  <input message="tns:divertedEvent"/>
 </operation>
 <operation name="CSTA-Established-event">
  <input message="tns:establishedEvent"/>
```

```
   </operation>
   <operation name="CSTA-Failed-event">
    <input message="tns:failedEvent"/>
   </operation>
   <operation name="CSTA-Held-event">
    <input message="tns:heldEvent"/>
   </operation>
   <operation name="CSTA-Network-Reached-event">
    <input message="tns:networkReachedEvent"/>
   </operation>
   <operation name="CSTA-Originated-event">
    <input message="tns:originatedEvent"/>
   </operation>
   <operation name="CSTA-Retrieved-event">
    <input message="tns:retrievedEvent"/>
   </operation>
   <operation name="CSTA-Service-Initiated-event">
    <input message="tns:serviceInitiatedEvent"/>
   </operation>
   <operation name="CSTA-Transferred-event">
    <input message="tns:transferedEvent"/>
   </operation>
  </portType>
```

35 Basic uaCSTA Device Feature with Basic Call Control Profile – Port Type Pair

This Clause specifies the CSTA-Basic-uaCSTA-Device-Feature-Basic-Call-Control Profile portType and CF-CSTA-Basic-uaCSTA-Device-Feature-Basic-Call-Control Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Basic uaCSTA Device Feature Profile with the Basic uaCSTA Call Control Profile as specified in ECMA-269 2.1.3.10.

Implementations may support other operations in addition to the operations specified in this port type pair.

porttype **CSTA-Basic-uaCSTA-Device-Feature-Basic-Call-Control-Profile**

operations	**CSTA-Set-Do-Not-Disturb**	
	input	**tns:setDoNotDisturb**
	output	**tns:setDoNotDisturbResponse**
	fault	**tns:negResponse**
	CSTA-Set-Forwarding	
	input	**tns:setForwarding**
	output	**tns:setForwardingResponse**
	fault	**tns:negResponse**
	CSTA-Answer-Call	
	input	**tns:answerCall**
	output	**tns:answerCallResponse**
	fault	**tns:negResponse**
	CSTA-Clear-Connection	
	input	**tns:clearConnection**
	output	**tns:clearConnectionResponse**
	fault	**tns:negResponse**
	CSTA-Deflect-Call	
	input	**tns:deflectCall**
	output	**tns:deflectCallResponse**
	fault	**tns:negResponse**
	CSTA-Hold-Call	
	input	**tns:holdCall**
	output	**tns:holdCallResponse**
	fault	**tns:negResponse**
	CSTA-Make-Call	
	input	**tns:makeCall**
	output	**tns:makeCallResponse**
	fault	**tns:negResponse**

CSTA-Retrieve-Call

input	tns:retrieveCall
output	tns:retrieveCallResponse
fault	tns:negResponse

CSTA-Single-Step-Transfer-Call

input	tns:singleStepTransferCall
output	tns:singleStepTransferCallResponse
fault	tns:negResponse

CSTA-Monitor-Start

input	tns:monitorStart
output	tns:monitorStartResponse
fault	tns:negResponse

CSTA-Monitor-Stop-as-input

input	tns:monitorStop
output	tns:monitorStopResponse
fault	tns:negResponse

source

```
<portType name="CSTA-Basic-uaCSTA-Device-Feature-Basic-Call-Control-Profile">
 <operation name="CSTA-Set-Do-Not-Disturb">
  <input message="tns:setDoNotDisturb"/>
  <output message="tns:setDoNotDisturbResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Set-Forwarding">
  <input message="tns:setForwarding"/>
  <output message="tns:setForwardingResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Answer-Call">
  <input message="tns:answerCall"/>
  <output message="tns:answerCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Clear-Connection">
  <input message="tns:clearConnection"/>
  <output message="tns:clearConnectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Deflect-Call">
  <input message="tns:deflectCall"/>
  <output message="tns:deflectCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
```

```
  <operation name="CSTA-Hold-Call">
   <input message="tns:holdCall"/>
   <output message="tns:holdCallResponse"/>
   <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Make-Call">
   <input message="tns:makeCall"/>
   <output message="tns:makeCallResponse"/>
   <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Retrieve-Call">
   <input message="tns:retrieveCall"/>
   <output message="tns:retrieveCallResponse"/>
   <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Single-Step-Transfer-Call">
   <input message="tns:singleStepTransferCall"/>
   <output message="tns:singleStepTransferCallResponse"/>
   <fault name="FaultName" message="tns:negResponse"/>
  </operation>
 <operation name="CSTA-Monitor-Start">
   <input message="tns:monitorStart"/>
   <output message="tns:monitorStartResponse"/>
   <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Monitor-Stop-as-input">
   <input message="tns:monitorStop"/>
   <output message="tns:monitorStopResponse"/>
   <fault name="FaultName" message="tns:negResponse"/>
  </operation>
</portType>
```

porttype **CF-CSTA-Basic-uaCSTA-Device-Feature-Basic-Call-Control-Profile**

operations

CSTA-Do-Not-Disturb-Event

input **tns:doNotDisturbEvent**

CSTA-Forwarding-Event

input **tns:forwardingEvent**

CSTA-Connection-Cleared-event

input **tns:connectionClearedEvent**

CSTA-Delivered-event

input **tns:deliveredEvent**

CSTA-Diverted-event

input **tns:divertedEvent**

CSTA-Established-event

input **tns:establishedEvent**

CSTA-Failed-event

input **tns:failedEvent**

CSTA-Held-event

input **tns:heldEvent**

CSTA-Network-Reached-event

input **tns:networkReachedEvent**

CSTA-Retrieved-event

input **tns:retrievedEvent**

CSTA-Service-Initiated-event

input **tns:serviceInitiatedEvent**

CSTA-Transferred-event

input **tns:transferedEvent**

CSTA-Monitor-Start

input **tns:monitorStart**
output **tns:monitorStartResponse**
fault **tns:negResponse**

CSTA-Monitor-Stop-as-input

input **tns:monitorStop**
output **tns:monitorStopResponse**
fault **tns:negResponse**

source

```
<portType name="CF-CSTA-Basic-uaCSTA-Device-Feature-Basic-Call-Control-Profile">
  <operation name="CSTA-Do-Not-Disturb-Event">
    <input message="tns:doNotDisturbEvent"/>
  </operation>
  <operation name="CSTA-Forwarding-Event">
    <input message="tns:forwardingEvent"/>
  </operation>
 <operation name="CSTA-Connection-Cleared-event">
    <input message="tns:connectionClearedEvent"/>
  </operation>
```

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```
  <operation name="CSTA-Delivered-event">
    <input message="tns:deliveredEvent"/>
  </operation>
  <operation name="CSTA-Diverted-event">
    <input message="tns:divertedEvent"/>
  </operation>
  <operation name="CSTA-Established-event">
    <input message="tns:establishedEvent"/>
  </operation>
  <operation name="CSTA-Failed-event">
    <input message="tns:failedEvent"/>
  </operation>
  <operation name="CSTA-Held-event">
    <input message="tns:heldEvent"/>
  </operation>
  <operation name="CSTA-Network-Reached-event">
    <input message="tns:networkReachedEvent"/>
  </operation>
  <operation name="CSTA-Retrieved-event">
    <input message="tns:retrievedEvent"/>
  </operation>
  <operation name="CSTA-Service-Initiated-event">
    <input message="tns:serviceInitiatedEvent"/>
  </operation>
  <operation name="CSTA-Transferred-event">
    <input message="tns:transferedEvent"/>
  </operation>
</portType>
```

36 Basic uaCSTA Device Feature with Advanced Call Control Profile – Port Type Pair

This Clause specifies the CSTA-Basic-uaCSTA-Device-Feature-Advanced-Call-Control Profile portType and CF-CSTA-Basic-uaCSTA-Device-Feature-Advanced-Call-Control Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Basic uaCSTA Device Feature Profile with the Advanced uaCSTA Call Control Profile as specified in ECMA-269 2.1.3.10.

Implementations may support other operations in addition to the operations specified in this port type pair.

porttype **CSTA-Basic-uaCSTA-Device-Feature-Advanced-Call-Control-Profile**

operations	**CSTA-Set-Do-Not-Disturb**	
	input	**tns:setDoNotDisturb**
	output	**tns:setDoNotDisturbResponse**
	fault	**tns:negResponse**
	CSTA-Set-Forwarding	
	input	**tns:setForwarding**
	output	**tns:setForwardingResponse**
	fault	**tns:negResponse**
	CSTA-Alternate-Call	
	input	**tns:alternateCall**
	output	**tns:alternateCallResponse**
	fault	**tns:negResponse**
	CSTA-Answer-Call	
	input	**tns:answerCall**
	output	**tns:answerCallResponse**
	fault	**tns:negResponse**
	CSTA-Clear-Connection	
	input	**tns:clearConnection**
	output	**tns:clearConnectionResponse**
	fault	**tns:negResponse**
	CSTA-Consultation-Call	
	input	**tns:consultationCall**
	output	**tns:consultationCallResponse**
	fault	**tns:negResponse**
	CSTA-Deflect-Call	
	input	**tns:deflectCall**
	output	**tns:deflectCallResponse**
	fault	**tns:negResponse**

CSTA-Hold-Call

input	tns:holdCall
output	tns:holdCallResponse
fault	tns:negResponse

CSTA-Make-Call

input	tns:makeCall
output	tns:makeCallResponse
fault	tns:negResponse

CSTA-Reconnect-Call

input	tns:reconnectCall
output	tns:reconnectCallResponse
fault	tns:negResponse

CSTA-Retrieve-Call

input	tns:retrieveCall
output	tns:retrieveCallResponse
fault	tns:negResponse

CSTA-Single-Step-Transfer-Call

input	tns:singleStepTransferCall
output	tns:singleStepTransferCallResponse
fault	tns:negResponse

CSTA-Transfer-Call

input	tns:transferCall
output	tns:transferCallResponse
fault	tns:negResponse

CSTA-Monitor-Start

input	tns:monitorStart
output	tns:monitorStartResponse
fault	tns:negResponse

CSTA-Monitor-Stop-as-input

input	tns:monitorStop
output	tns:monitorStopResponse
fault	tns:negResponse

CSTA-Get-Switching-Function-Capabilities

input	tns:getSwitchingFunctionCaps
output	tns:getSwitchingFunctionCapsResponse
fault	tns:negResponse

source `<portType name="CSTA-Basic-uaCSTA-Device-Feature-Advanced-Call-Control-Profile">`

```
<operation name="CSTA-Set-Do-Not-Disturb">
  <input message="tns:setDoNotDisturb"/>
  <output message="tns:setDoNotDisturbResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Forwarding">
  <input message="tns:setForwarding"/>
  <output message="tns:setForwardingResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Alternate-Call">
  <input message="tns:alternateCall"/>
  <output message="tns:alternateCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Answer-Call">
  <input message="tns:answerCall"/>
  <output message="tns:answerCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Clear-Connection">
  <input message="tns:clearConnection"/>
  <output message="tns:clearConnectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Consultation-Call">
  <input message="tns:consultationCall"/>
  <output message="tns:consultationCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Deflect-Call">
  <input message="tns:deflectCall"/>
  <output message="tns:deflectCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Hold-Call">
  <input message="tns:holdCall"/>
  <output message="tns:holdCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Make-Call">
  <input message="tns:makeCall"/>
  <output message="tns:makeCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
```

```
  <operation name="CSTA-Reconnect-Call">
    <input message="tns:reconnectCall"/>
    <output message="tns:reconnectCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Retrieve-Call">
    <input message="tns:retrieveCall"/>
    <output message="tns:retrieveCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Single-Step-Transfer-Call">
    <input message="tns:singleStepTransferCall"/>
    <output message="tns:singleStepTransferCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Transfer-Call">
    <input message="tns:transferCall"/>
    <output message="tns:transferCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Monitor-Start">
    <input message="tns:monitorStart"/>
    <output message="tns:monitorStartResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Monitor-Stop-as-input">
    <input message="tns:monitorStop"/>
    <output message="tns:monitorStopResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Get-Switching-Function-Capabilities">
    <input message="tns:getSwitchingFunctionCaps"/>
    <output message="tns:getSwitchingFunctionCapsResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
</portType>
```

porttype **CF-CSTA-Basic-uaCSTA-Device-Feature-Advanced-Call-Control-Profile**

operations **CSTA-Do-Not-Disturb-Event**

input **tns:doNotDisturbEvent**

CSTA-Forwarding-Event

input **tns:forwardingEvent**

CSTA-Connection-Cleared-event

input tns:connectionClearedEvent

CSTA-Delivered-event

input tns:deliveredEvent

CSTA-Diverted-event

input tns:divertedEvent

CSTA-Established-event

input tns:establishedEvent

CSTA-Failed-event

input tns:failedEvent

CSTA-Held-event

input tns:heldEvent

CSTA-Network-Reached-event

input tns:networkReachedEvent

CSTA-Originated-event

input tns:originatedEvent

CSTA-Retrieved-event

input tns:retrievedEvent

CSTA-Service-Initiated-event

input tns:serviceInitiatedEvent

CSTA-Transferred-event

input tns:transferedEvent

source

```
<portType name="CF-CSTA-Basic-uaCSTA-Device-Feature-Advanced-Call-Control-Profile">
 <operation name="CSTA-Do-Not-Disturb-Event">
  <input message="tns:doNotDisturbEvent"/>
 </operation>
 <operation name="CSTA-Forwarding-Event">
  <input message="tns:forwardingEvent"/>
 </operation>
 <operation name="CSTA-Connection-Cleared-event">
  <input message="tns:connectionClearedEvent"/>
 </operation>
 <operation name="CSTA-Delivered-event">
  <input message="tns:deliveredEvent"/>
```

```
   </operation>
   <operation name="CSTA-Diverted-event">
    <input message="tns:divertedEvent"/>
   </operation>
   <operation name="CSTA-Established-event">
    <input message="tns:establishedEvent"/>
   </operation>
   <operation name="CSTA-Failed-event">
    <input message="tns:failedEvent"/>
   </operation>
   <operation name="CSTA-Held-event">
    <input message="tns:heldEvent"/>
   </operation>
   <operation name="CSTA-Network-Reached-event">
    <input message="tns:networkReachedEvent"/>
   </operation>
   <operation name="CSTA-Originated-event">
    <input message="tns:originatedEvent"/>
   </operation>
   <operation name="CSTA-Retrieved-event">
    <input message="tns:retrievedEvent"/>
   </operation>
   <operation name="CSTA-Service-Initiated-event">
    <input message="tns:serviceInitiatedEvent"/>
   </operation>
   <operation name="CSTA-Transferred-event">
    <input message="tns:transferedEvent"/>
   </operation>
  </portType>
```

37 Speaker uaCSTA Device Feature with Basic Call Control Profile – Port Type Pair

This Clause specifies the CSTA-Speaker-uaCSTA-Device-Feature-Basic-Call-Control-Profile portType and CF-CSTA-Speaker-uaCSTA-Device-Feature-Basic-Call-Control-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Speaker uaCSTA Device Feature Profile with the Basic uaCSTA Call Control Profile as specified in ECMA-269 2.1.3.11.

Implementations may support other operations in addition to the operations specified in this port type pair.

porttype **CSTA-Speaker-uaCSTA-Device-Feature-Basic-Call-Control-Profile**

operations	**CSTA-Set-Speaker-Mute**	
	input	tns:setSpeakerMute
	output	tns:setSpeakerMuteResponse
	fault	tns:negResponse
	CSTA-Set-Speaker-Volume	
	input	tns:setSpeakerVolume
	output	tns:setSpeakerVolumeResponse
	fault	tns:negResponse
	CSTA-Answer-Call	
	input	tns:answerCall
	output	tns:answerCallResponse
	fault	tns:negResponse
	CSTA-Clear-Connection	
	input	tns:clearConnection
	output	tns:clearConnectionResponse
	fault	tns:negResponse
	CSTA-Deflect-Call	
	input	tns:deflectCall
	output	tns:deflectCallResponse
	fault	tns:negResponse
	CSTA-Hold-Call	
	input	tns:holdCall
	output	tns:holdCallResponse
	fault	tns:negResponse
	CSTA-Make-Call	
	input	tns:makeCall
	output	tns:makeCallResponse
	fault	tns:negResponse

CSTA-Retrieve-Call

input	tns:retrieveCall
output	tns:retrieveCallResponse
fault	tns:negResponse

CSTA-Single-Step-Transfer-Call

input	tns:singleStepTransferCall
output	tns:singleStepTransferCallResponse
fault	tns:negResponse

CSTA-Monitor-Start

input	tns:monitorStart
output	tns:monitorStartResponse
fault	tns:negResponse

CSTA-Monitor-Stop-as-input

input	tns:monitorStop
output	tns:monitorStopResponse
fault	tns:negResponse

source

```
<portType name="CSTA-Speaker-uaCSTA-Device-Feature-Basic-Call-Control-Profile">
 <operation name="CSTA-Set-Speaker-Mute">
  <input message="tns:setSpeakerMute"/>
  <output message="tns:setSpeakerMuteResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Set-Speaker-Volume">
  <input message="tns:setSpeakerVolume"/>
  <output message="tns:setSpeakerVolumeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Answer-Call">
  <input message="tns:answerCall"/>
  <output message="tns:answerCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Clear-Connection">
  <input message="tns:clearConnection"/>
  <output message="tns:clearConnectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
 <operation name="CSTA-Deflect-Call">
  <input message="tns:deflectCall"/>
  <output message="tns:deflectCallResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
 </operation>
```

```
      <operation name="CSTA-Hold-Call">
        <input message="tns:holdCall"/>
        <output message="tns:holdCallResponse"/>
        <fault name="FaultName" message="tns:negResponse"/>
      </operation>
      <operation name="CSTA-Make-Call">
        <input message="tns:makeCall"/>
        <output message="tns:makeCallResponse"/>
        <fault name="FaultName" message="tns:negResponse"/>
      </operation>
      <operation name="CSTA-Retrieve-Call">
        <input message="tns:retrieveCall"/>
        <output message="tns:retrieveCallResponse"/>
        <fault name="FaultName" message="tns:negResponse"/>
      </operation>
      <operation name="CSTA-Single-Step-Transfer-Call">
        <input message="tns:singleStepTransferCall"/>
        <output message="tns:singleStepTransferCallResponse"/>
        <fault name="FaultName" message="tns:negResponse"/>
      </operation>
      <operation name="CSTA-Monitor-Start">
        <input message="tns:monitorStart"/>
        <output message="tns:monitorStartResponse"/>
        <fault name="FaultName" message="tns:negResponse"/>
      </operation>
      <operation name="CSTA-Monitor-Stop-as-input">
        <input message="tns:monitorStop"/>
        <output message="tns:monitorStopResponse"/>
        <fault name="FaultName" message="tns:negResponse"/>
      </operation>
    </portType>
```

porttype **CF-CSTA-Speaker-uaCSTA-Device-Feature-Basic-Call-Control-Profile**

operations

CSTA-Speaker-Mute-Event

input **tns:speakerMuteEvent**

CSTA-Speaker-Volume-Event

input **tns:speakerVolumeEvent**

CSTA-Connection-Cleared-event

input **tns:connectionClearedEvent**

CSTA-Delivered-event

input **tns:deliveredEvent**

CSTA-Diverted-event

input **tns:divertedEvent**

CSTA-Established-event

input **tns:establishedEvent**

CSTA-Failed-event

input **tns:failedEvent**

CSTA-Held-event

input **tns:heldEvent**

CSTA-Network-Reached-event

input **tns:networkReachedEvent**

CSTA-Retrieved-event

input **tns:retrievedEvent**

CSTA-Service-Initiated-event

input **tns:serviceInitiatedEvent**

CSTA-Transferred-event

input **tns:transferedEvent**

source

```
<portType name="CF-CSTA-Speaker-uaCSTA-Device-Feature-Basic-Call-Control-Profile">
 <operation name="CSTA-Speaker-Mute-Event">
  <input message="tns:speakerMuteEvent"/>
 </operation>
 <operation name="CSTA-Speaker-Volume-Event">
  <input message="tns:speakerVolumeEvent"/>
 </operation>
 <operation name="CSTA-Connection-Cleared-event">
  <input message="tns:connectionClearedEvent"/>
 </operation>
 <operation name="CSTA-Delivered-event">
  <input message="tns:deliveredEvent"/>
 </operation>
 <operation name="CSTA-Diverted-event">
  <input message="tns:divertedEvent"/>
 </operation>
 <operation name="CSTA-Established-event">
  <input message="tns:establishedEvent"/>
 </operation>
 <operation name="CSTA-Failed-event">
```

```
    <input message="tns:failedEvent"/>
  </operation>
  <operation name="CSTA-Held-event">
    <input message="tns:heldEvent"/>
  </operation>
  <operation name="CSTA-Network-Reached-event">
    <input message="tns:networkReachedEvent"/>
  </operation>
  <operation name="CSTA-Retrieved-event">
    <input message="tns:retrievedEvent"/>
  </operation>
  <operation name="CSTA-Service-Initiated-event">
    <input message="tns:serviceInitiatedEvent"/>
  </operation>
  <operation name="CSTA-Transferred-event">
    <input message="tns:transferedEvent"/>
  </operation>
</portType>
```

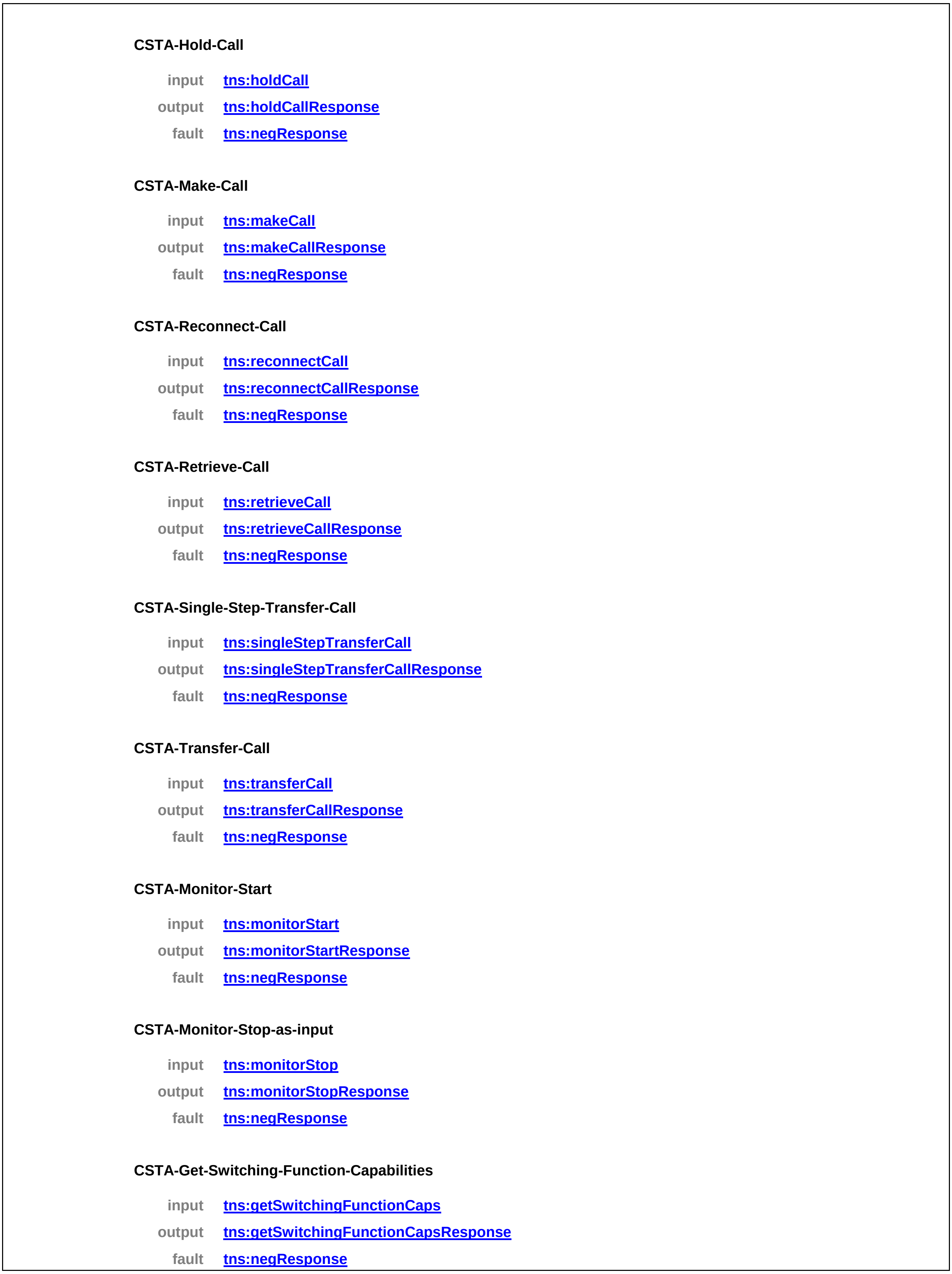
38 Speaker uaCSTA Device Feature with Advanced Call Control Profile – Port Type Pair

This Clause specifies the CSTA-Speaker-uaCSTA-Device-Feature-Advanced-Call-Control-Profile portType and CF-CSTA-Speaker-uaCSTA-Device-Feature-Advanced-Call-Control-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Speaker uaCSTA Device Feature Profile with the Advanced uaCSTA Call Control Profile as specified in ECMA-269 2.1.3.11.

Implementations may support other operations in addition to the operations specified in this port type pair.

porttype **CSTA-Speaker-uaCSTA-Device-Feature-Advanced-Call-Control-Profile**

operations	**CSTA-Set-Speaker-Mute**	
	input	tns:setSpeakerMute
	output	tns:setSpeakerMuteResponse
	fault	tns:negResponse
	CSTA-Set-Speaker-Volume	
	input	tns:setSpeakerVolume
	output	tns:setSpeakerVolumeResponse
	fault	tns:negResponse
	CSTA-Alternate-Call	
	input	tns:alternateCall
	output	tns:alternateCallResponse
	fault	tns:negResponse
	CSTA-Answer-Call	
	input	tns:answerCall
	output	tns:answerCallResponse
	fault	tns:negResponse
	CSTA-Clear-Connection	
	input	tns:clearConnection
	output	tns:clearConnectionResponse
	fault	tns:negResponse
	CSTA-Consultation-Call	
	input	tns:consultationCall
	output	tns:consultationCallResponse
	fault	tns:negResponse
	CSTA-Deflect-Call	
	input	tns:deflectCall
	output	tns:deflectCallResponse
	fault	tns:negResponse



CSTA-Hold-Call

input	tns:holdCall
output	tns:holdCallResponse
fault	tns:negResponse

CSTA-Make-Call

input	tns:makeCall
output	tns:makeCallResponse
fault	tns:negResponse

CSTA-Reconnect-Call

input	tns:reconnectCall
output	tns:reconnectCallResponse
fault	tns:negResponse

CSTA-Retrieve-Call

input	tns:retrieveCall
output	tns:retrieveCallResponse
fault	tns:negResponse

CSTA-Single-Step-Transfer-Call

input	tns:singleStepTransferCall
output	tns:singleStepTransferCallResponse
fault	tns:negResponse

CSTA-Transfer-Call

input	tns:transferCall
output	tns:transferCallResponse
fault	tns:negResponse

CSTA-Monitor-Start

input	tns:monitorStart
output	tns:monitorStartResponse
fault	tns:negResponse

CSTA-Monitor-Stop-as-input

input	tns:monitorStop
output	tns:monitorStopResponse
fault	tns:negResponse

CSTA-Get-Switching-Function-Capabilities

input	tns:getSwitchingFunctionCaps
output	tns:getSwitchingFunctionCapsResponse
fault	tns:negResponse

source

```
<portType name="CSTA-Speaker-uaCSTA-Device-Feature-Advanced-Call-Control-Profile">
  <operation name="CSTA-Set-Speaker-Mute">
    <input message="tns:setSpeakerMute"/>
    <output message="tns:setSpeakerMuteResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Set-Speaker-Volume">
    <input message="tns:setSpeakerVolume"/>
    <output message="tns:setSpeakerVolumeResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Alternate-Call">
    <input message="tns:alternateCall"/>
    <output message="tns:alternateCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Answer-Call">
    <input message="tns:answerCall"/>
    <output message="tns:answerCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Clear-Connection">
    <input message="tns:clearConnection"/>
    <output message="tns:clearConnectionResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Consultation-Call">
    <input message="tns:consultationCall"/>
    <output message="tns:consultationCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Deflect-Call">
    <input message="tns:deflectCall"/>
    <output message="tns:deflectCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Hold-Call">
    <input message="tns:holdCall"/>
    <output message="tns:holdCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Make-Call">
    <input message="tns:makeCall"/>
    <output message="tns:makeCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Reconnect-Call">
    <input message="tns:reconnectCall"/>
    <output message="tns:reconnectCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Retrieve-Call">
    <input message="tns:retrieveCall"/>
    <output message="tns:retrieveCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Single-Step-Transfer-Call">
    <input message="tns:singleStepTransferCall"/>
    <output message="tns:singleStepTransferCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Transfer-Call">
    <input message="tns:transferCall"/>
    <output message="tns:transferCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Monitor-Stop-as-input">
    <input message="tns:monitorStop"/>
    <output message="tns:monitorStopResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Get-Switching-Function-Capabilities">
    <input message="tns:getSwitchingFunctionCaps"/>
    <output message="tns:getSwitchingFunctionCapsResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
</portType>
```

porttype **CF-CSTA-Speaker-uaCSTA-Device-Feature-Advanced-Call-Control-Profile**

operations

CSTA-Speaker-Mute-Event

input **tns:speakerMuteEvent**

CSTA-Speaker-Volume-Event

input **tns:speakerVolumeEvent**

CSTA-Connection-Cleared-event

input **tns:connectionClearedEvent**

CSTA-Delivered-event

input tns:deliveredEvent

CSTA-Diverted-event

input tns:divertedEvent

CSTA-Established-event

input tns:establishedEvent

CSTA-Failed-event

input tns:failedEvent

CSTA-Held-event

input tns:heldEvent

CSTA-Network-Reached-event

input tns:networkReachedEvent

CSTA-Originated-event

input tns:originatedEvent

CSTA-Retrieved-event

input tns:retrievedEvent

CSTA-Service-Initiated-event

input tns:serviceInitiatedEvent

CSTA-Transferred-event

input tns:transferedEvent

source

```
<portType name="CF-CSTA-Speaker-uaCSTA-Device-Feature-Advanced-Call-Control-Profile">
  <operation name="CSTA-Speaker-Mute-Event">
    <input message="tns:speakerMuteEvent"/>
  </operation>
  <operation name="CSTA-Speaker-Volume-Event">
    <input message="tns:speakerVolumeEvent"/>
  </operation>
  <operation name="CSTA-Connection-Cleared-event">
    <input message="tns:connectionClearedEvent"/>
  </operation>
  <operation name="CSTA-Delivered-event">
    <input message="tns:deliveredEvent"/>
  </operation>
  <operation name="CSTA-Diverted-event">
```

```
    <input message="tns:divertedEvent"/>
  </operation>
  <operation name="CSTA-Established-event">
    <input message="tns:establishedEvent"/>
  </operation>
  <operation name="CSTA-Failed-event">
    <input message="tns:failedEvent"/>
  </operation>
  <operation name="CSTA-Held-event">
    <input message="tns:heldEvent"/>
  </operation>
  <operation name="CSTA-Network-Reached-event">
    <input message="tns:networkReachedEvent"/>
  </operation>
  <operation name="CSTA-Originated-event">
    <input message="tns:originatedEvent"/>
  </operation>
  <operation name="CSTA-Retrieved-event">
    <input message="tns:retrievedEvent"/>
  </operation>
  <operation name="CSTA-Service-Initiated-event">
    <input message="tns:serviceInitiatedEvent"/>
  </operation>
  <operation name="CSTA-Transferred-event">
    <input message="tns:transferedEvent"/>
  </operation>
</portType>
```

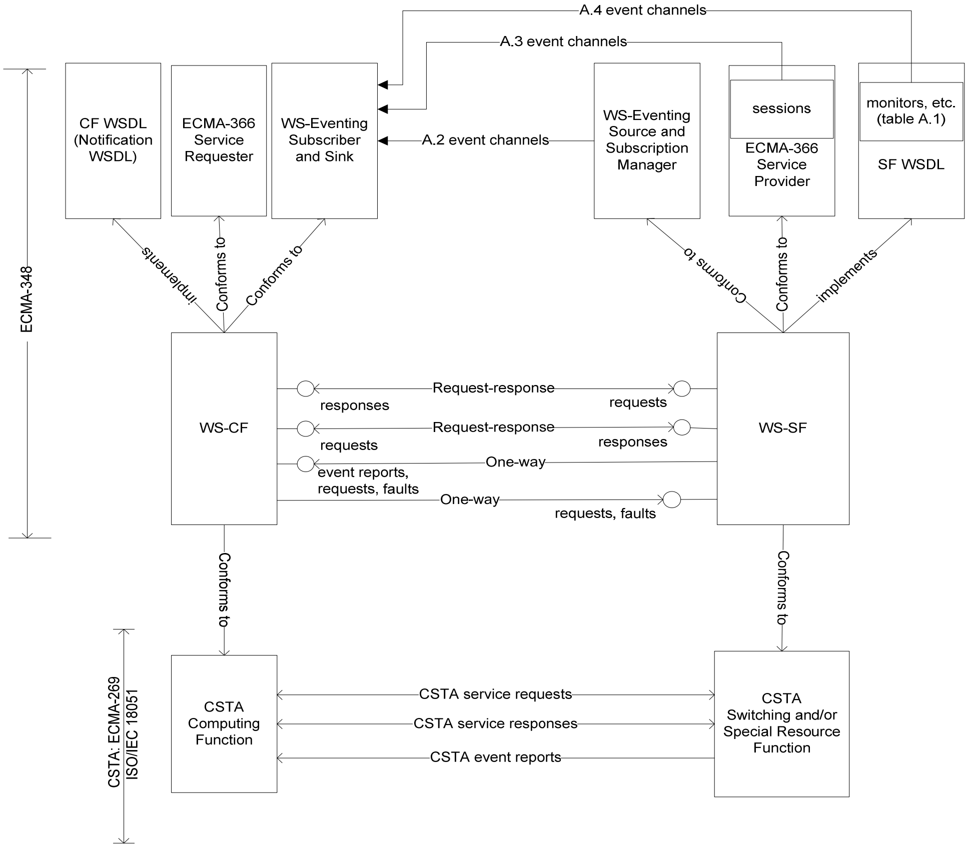
Annex A
(normative)

Event Channel Establishement

A.1 General

An event channel represents a relation between an event source that generates event notifications and an event sink that receives the event notifications. This Annex specifies mechanisms to establish event channels between a WS-SF and a WS-CF using WS-Eventing and mechanisms to establish ECMA-269 Implicit Associations based on the event channels.

In particular, this Annex treats a WS-SF as an event source and a WS-CF as an event sink, and all the operations in the Computing Function WSDL as event notifications from the WS-SF. A WS-SF may also contain other event sources, such as ECMA-366 sessions, CSTA monitors and registrations, that generate subsets of the notifications specified in the Computing Function WSDL. To support these event sources, this Annex specifies three types of event channels in A.2, A.3 and A.4 as illustrated in the following diagram.



A WS-SF shall implement the WS-Eventing Event Source, Subscription Manager, wse:NotifyTo element and the extensions defined in this Annex in conformance to WS-Eventing. It shall publish its Computing Function WSDL as a Notification WSDL specified in A.2 of WS-Eventing. It shall implement at least one of the event channels specified in A.2 and A.3 and may implement event channels specified in A.4. The Switching Function shall send all notifications in the Computing Function WSDL as unwrapped. It may also send the ECMA-269 event reports as wrapped.

A WS-CF shall implement the WS-Eventing Event Sink, Subscriber, wse:NotifyTo and the extensions defined in this Annex in conformance to WS-Eventing. It shall implement the operations in the Computing Function WSDL for the notifications it intends to receive. It shall establish event channels using the mechanisms supported by the WS-SF. It shall implement the unwrapped format and may implement the wrapped format defined by WS-Eventing.

To establish an event channel, a WS-CF shall send a WS-Eventing Subscribe message to a WS-SF as specified in the following clauses. Once the WS-CF receives a positive response, the event channel is established.

Once an event channel is established, all event notifications from its source shall be sent over the channel as specified in the following clauses.

To terminate an event channel, the WS-CF shall send a WS-Eventing Unsubscribe message to the WS-SF as specified by WS-Eventing.

A.2 Event Channel from Switching Function

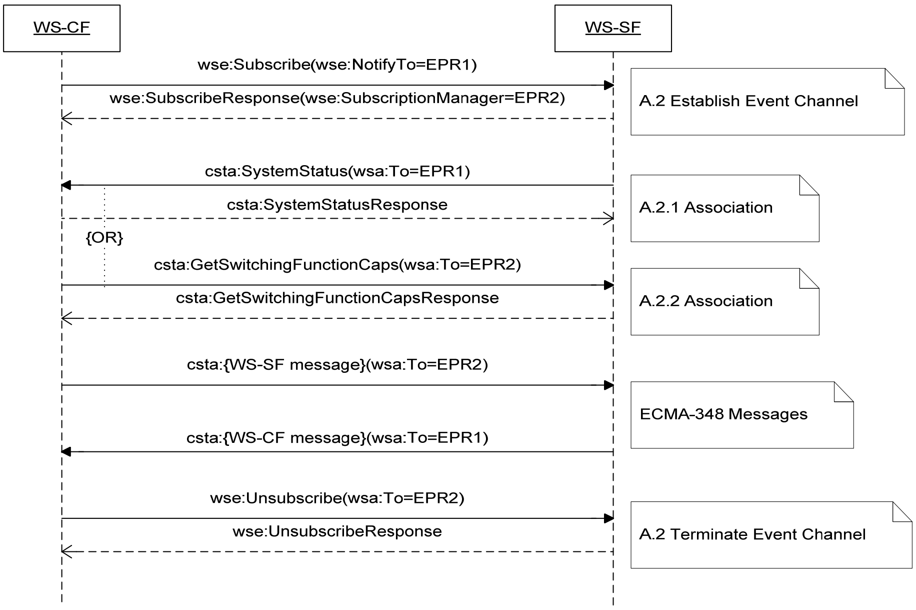
The event source of this type of event channels is a WS-SF. To establish an event channel of this type, a WS-CF shall send a WS-Eventing Subscribe message with a valid wse:NotifyTo element to the WS-SF endpoint. On success, the WS-SF shall respond with a WS-Eventing SubscribeResponse message with a valid wse:SubscriptionManager element.

Once an event channel is established, the WS-CF and WS-SF shall establish an implicit association over the event channel as specified in A.2.1 or A.2.2.

To send a message over an established association, the WS-CF shall address the message to the wse:SubscriptionManager Endpoint Reference (EPR), and the WS-SF shall address the message to the wse:NotifyTo Endpoint Reference, as specified by WS-Addressing.

To terminate an event channel and the corresponding association, a WS-CF shall send a WS-Eventing Unsubscribe message.

The message exchange is illustrated in the following UML sequence diagram.


WS-CF
WS-SF
wse:Subscribe(wse:NotifyTo=EPR1)
wse:SubscribeResponse(wse:SubscriptionManager=EPR2)
A.2 Establish Event Channel
csta:SystemStatus(wsa:To=EPR1)
csta:SystemStatusResponse
A.2.1 Association
{OR}
csta:GetSwitchingFunctionCaps(wsa:To=EPR2)
csta:GetSwitchingFunctionCapsResponse
A.2.2 Association
csta:{WS-SF message}(wsa:To=EPR2)
ECMA-348 Messages
csta:{WS-CF message}(wsa:To=EPR1)
wse:Unsubscribe(wsa:To=EPR2)
wse:UnsubscribeResponse
A.2 Terminate Event Channel

A.2.1 ECMA-269 7.1 Implicit Association

A WS-SF shall send a System Status message addressed to the wse:NotifyTo Endpoint Reference in the established event channel. Once the WS-SF receives a positive response, the association is established.

A.2.2 ECMA-269 7.2 Implicit Association

A WS-CF shall send a Get Switching Function Capabilities message addressed to the wse:SubscriptionManager Endpoint Reference in the established event channel. Once the WS-CF receives a positive response, the association is established.

A.3 Event Channel from Session

The event source of this type of event channels is an application session in ECMA-366. To establish an event channel of this type, a WS-CF shall use the mechanism specified in Clause 7 and Annex A of ECMA-366.

A.4 Event Channel from Event Sources in Switching Function (Option)

The event sources of this type of event channels include monitors, registrations and other objects maintained by a WS-SF. These event souces are contained within an association, which itself may be an event source with associated event channels as specified in A.2 and A.3.

Table A.1 lists these event sources with the corresponding ECMA-269 clauses. The first column of the table lists the ECMA-323 elements that identify the event sources. The second column lists the WS-SF services that create and remove the event sources. The third column lists the event notifications associated with each event source.

Table A.1 — Event Sources of Switching Function

Event source identification	**Event source management**	**Event Notifications**
sysStatRegisterID	14.1.2 System Register 14.1.4 System Register Cancel	14.1.3 System Register Abort 14.2.1 Request System Status 14.2.2 System Status 14.2.3 Switching Function Capabilities Changed 14.2.4 Switching Function Devices Changed
monitorCrossRefID	15.1.2 Monitor Start 15.1.3 Monitor Stop	15.1.3 Monitor Stop 17.2.1-18 Call Control Events 18.2.1-5 Call Associated Events 19.2.1-2 Media Attachment Events 21.2.1-11 Physical Device Events 22.2.1-14 Logical Device Events 23.1.1-4 Device Maintenance Events 26.2.1-18 Voice Services Events 28.3.1 Private Event

Table A.1 — Event Sources of Switching Function (concluded)

routeRegisterReqID	20.1.1 Route Register 20.1.3 Route Register Cancel	20.1.2 Route Register Abort 20.2.1 Re-Route 20.2.2 Route End 20.2.3 Route Reject Negative Acknowledgement 20.2.4 Route Request 20.2.5 Route Select Negative Acknowledgement 20.2.6 Route Used
ioRegisterReqID	24.1.1 I/O Register 24.1.3 I/O Register Cancel	24.1.2 I/O Register Abort 24.2.1 Data Path Resumed 24.2.2 Data Path Suspended 24.2.3 Fast Data 24.2.6 Send Data 24.2.8 Start Data Path 24.2.9 Stop Data Path 24.2.10 Suspend Data Path
dCollCrossRefID	25.1.5 Start Data Collection 25.1.6 Stop Data Collection	25.1.1 Data Collected 25.1.2 Data Collection Resumed 25.1.3 Data Collection Suspended 25.1.6 Stop Data Collection 25.1.7 Suspend Data Collection
cdrCrossRefID	27.1.4 Start Call Detail Records Transmission 27.1.5 Stop Call Detail Records Transmission	27.1.1 Call Detail Records Notification 27.1.2 Call Detail Records Report 27.1.5 Stop Call Detail Records Transmission
locCrossRefID	28.1.7 Start Location Tracking Session 28.1.8 Stop Location Tracking Session	28.1.3 Location Tracking Session Resumed 28.1.4 Location Tracking Session Suspended 28.1.6 Location Information Report
escapeReigsterID	29.1.1 Escape Register 29.1.3 Escape Register Cancel	29.1.2 Escape Register Abort 29.2.1 Escape 29.3.1 Private Event

To establish an event channel of this type over an association, a WS-CF shall send a WS-Eventing Subscribe message with a valid wse:NotifyTo element and an extension element [event source] that identifies an event source as listed in Table A.1:

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```
<S:Envelope
      xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
      xmlns:wsa="http://www.w3.org/2005/08/addressing"
      xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed4">
       <S:Header>
                   [event source]
                   <wsa:Action>http://www.w3.org/2011/03/ws-evt/Subscribe</wsa:Action>
       </S:Header>
       <S:Body>…</S:Body>
</S:Envelope>
```

For example, the following message attempts to establish an event channel from a monitor [event source] within an application session:

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
      xmlns:wsa="http://www.w3.org/2005/08/addressing" xmlns:wse="http://www.w3.org/2011/03/ws-evt"
      xmlns:aps="http://www.ecma-international.org/standards/ecma-354/appl_session" >
       <S:Header>
                   <aps:sessionID>5555</aps:sessionID>
                   <csta:monitorCrossRefID>6666</csta:monitorCrossRefID>
                   <wsa:Action>http://www.w3.org/2011/03/ws-evt/Subscribe</wsa:Action>
       </S:Header>
       <S:Body>
                   <wse:Subscribe>
                     <wse:Delivery><wse:NotifyTo>
                                   <wsa:Address>http://www.example.com/CSTA_sink</wsa:Address>
                        </wse:NotifyTo></wse:Delivery>
            </wse:Subscribe>
       </S:Body>
```

Whenever an event channel is established from an event source within an association, the event channels associated with the association, if any, shall be disabled until all the event channels for the event source are terminated. This constraint avoids duplicated event notifications from an event source over different event channels.

Once an event source is removed from a WS-SF, all event channels from it shall be terminated.

If this option is not supported, a WS-SF shall return a SOAP 1.1 fault message with these properties:

- [faultcode]=”ExplicitSubscriptionNotSupported”

- [faultstring]=”Explict subscription to event source [event source] is not supported”

If an event source does not exist, a WS-SF shall return a SOAP 1.1 fault message with these properties:

- [faultcode]=”UnknownEventSource”

- [faultstring]=”The event source [event source] is invalid”

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Annex B
(informative)

Example SOAP 1.1/HTTP Binding

The following is an example of a WSDL description with SOAP/HTTP binding. In order to keep the example simple, only one CSTA operation (Answer Call) is included.

```
<definitions

xmlns="http://schemas.xmlsoap.org/wsdl/"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
xmlns:tns="http://www.ecma-international.org/standards/ecma-348/csta-wsdl/ed5"
targetNamespace="http://www.ecma-international.org/standards/ecma-348/csta-wsdl/ed5">

        <!--WSDL Type definitions see 6.2-->

    <types>
        <xs:schema targetNamespace="http://www.ecma-international.org/standards/ecma-348/csta-wsdl/ed5">
            <xs:import namespace="http://www.ecma-international.org/standards/ecma-323/csta/ed6"
schemaLocation="csta.xsd"/>
        </xs:schema>
    </types>

        <!--WSDL Message definitions see 6.3-->

    <message name="answerCall">
        <part name="parameter" element="csta:AnswerCall"/>
    </message>
    <message name="answerCallResponse">
        <part name="parameter" element="csta:AnswerCallResponse"/>
    </message>
    <message name="negResponse">
        <part name="parameter" element="csta:CSTAErrorCode"/>
    </message>

        <!--WSDL Operation and PortType definitions see 6.4 and 6.5-->

    <portType name="samplePortType">
        <operation name="CSTA-Answer-Call">
            <input message="tns:answerCall"/>
            <output message="tns:answerCallResponse"/>
            <fault name="FaultName" message="tns:negResponse"/>
        </operation>
    </portType>

        <!--WSDL Binding definitions see 6.6-->

    <binding name="SOAP_HTTP" type="tns:samplePortType">
        <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
        <operation name="CSTA-Answer-Call">
            <soap:operation soapAction="http://CSTA_web_service.com/answerCall" style="document"/>
            <input>
```

```
                <soap:body use="literal"/>
            </input>
            <output>
                <soap:body use="literal"/>
            </output>
            <fault name="FaultName"/>
            </fault>
        </operation>
    </binding>

        <!--WSDL Port and Service definitions see 6.7 and 6.8-->

    <service name="CSTA_SOAP_Service">
        <port name="CSTA_Sample-Port" binding="tns:SOAP_HTTP">
            <soap:address location="http://CSTA_web_service.com"/>
        </port>
    </service>

</definitions>
```

The fault message specified in 6.3.3 is bound to the detail subelement of SOAP 1.1 Fault as specified in the following template:

```
<S:Envelope
    xmlns:S="http://schemas.xmlsoap.org/soap/envelope/"
    xmlns:csta="http://www.ecma-international.org/standards/ecma-323/csta/ed6">
    <S:Body>
        <S:Fault>
            <detail><csta:ErrorCode>…</csta:CSTAErrorCode></detail>
        </S:Fault>
    </S:Body>
</S:Envelope>
```

The other subelements of SOAP 1.1 Fault: faultcode, faultstring and faultactor, are not constrained.

Annex C
(informative)

WSDL Considerations

WSDL version 1.1 has several limitations:

- Does not define fault messages with one-way and Notification operation types
- Does not define concrete SOAP/HTTP bindings for Notification and solicit-response operation types
- A specific operation can only exist in one port type.

To addresses these limitations in WSDL 1.1, this Standard:

1. Specifies faults associated with CSTA services without positive acknowledgement as one-way operation.
2. Specifies Computing Function WSDL, which contains only request-response and one-way operations and can have concrete bindings, to represent operations initiated by the Switching Function.
3. Specifies the port types by CSTA services each containing distinct WSDL operations.

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Annex D
(informative)

Summary of Changes in this Edition

The changes included in the 5th Edition of ECMA-348 to be compatible with the 6th Edition of ECMA-323 and the 9th Edition of ECMA-269 are:

1. Namespace changes:

   a. The reference to the ECMA-323 namespace is changed from "http://www.ecma-international.org/standards/ecma-323/csta/ed5" to "http://www.ecma-international.org/standards/ecma-323/csta/ed6"

   b. The reference to the ECMA-348 namespace is changed from "http://www.ecma-international.org/standards/ecma-348/csta-wsdl/ed4" to "http://www.ecma-international.org/standards/ecma-348/csta-wsdl/ed5"

2. Clause 5: introduced the concepts of WS-SF and WS-CF.

3. Clause 6: introduced the concept of Computing Function WSDL to model WS-CF and the concept of WSDL port type pairs to represent ECMA-269 Profiles.

4. Clauses 7-23: changed all solicit-response operations to request-response and all notification operations to one-way according to the model in Clause 6.

5. Clauses 24-38: Split all port types that contain Computing Function WSDL operations into port type pairs according to the model in Clause 6.

6. New Annex A: specifies event channel management using WS-Eventing and implicit association establishment based on the event channels.

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