
**Information technology —
Telecommunications and information
exchange between systems — Web
Services Description Language (WSDL)
for CSTA Phase III**

*Technologies de l'information — Télécommunications et échange
d'information entre systèmes — Langage de description des services
Web (WSDL) pour CSTA Phase III*

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Foreword

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

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

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

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

ISO/IEC 18450 was prepared by Ecma International (as ECMA-348) and was adopted, under a special “fast-track procedure”, by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, in parallel with its approval by national bodies of ISO and IEC.

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Introduction

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

This International 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 first Edition of ISO/IEC 18450 (ECMA-348) is fully aligned with ISO/IEC 18051 6th Edition and it imports the CSTA XML schemata from ISO/IEC 18056 5th 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.

WSDL Tools Acknowledgement

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

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Information technology — Telecommunications and information exchange between systems — 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 International Standard specifies two WSDL documents: Computing Function WSDL and Switching Function WSDL, for ISO/IEC 18051, Services for Computer Supported Telecommunications Applications (CSTA) Phase III. All CSTA features (e.g., services and events) specified in ISO/IEC 18051 are specified in this International 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 ISO/IEC 18051.

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 International Standard. Annex B illustrates an example SOAP over HTTP binding.

WSDL is defined in XML and XML Schemata. This International Standard builds upon the XML data types and imports all message formats specified in ISO/IEC 18056.

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 ISO/IEC 18051 and Clause 2 of ISO/IEC 18056, a conformant implementation supports at least one pair of the port types defined in this International Standard. Each port type pair in this International Standard corresponds to a profile specified in 2.3.1 of ISO/IEC 18051.

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 ISO/IEC 18051 and by using the message formats and data types as specified in ISO/IEC 18056.

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

ISO/IEC 18051:2012, *Information technology — Telecommunications and information exchange between systems — Services for Computer Supported Telecommunications Applications (CSTA) Phase III (ECMA-269)*

ISO/IEC 18056:2012, *Information technology — Telecommunications and information exchange between systems — XML Schema Definitions for Computer Supported Telecommunications Applications (CSTA) Phase III (ECMA-323)*

ISO/IEC 25437:2012, *Information technology — Telecommunications and information exchange between systems — WS-Session — Web services for application session services (ECMA-366)*

ISO/IEC TR 18053:2000, *Information technology — Telecommunications and information exchange between systems — Glossary of definitions and terminology for Computer Supported Telecommunications Applications (CSTA) Phase III (ECMA TR/72)*

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 Terms and definitions

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

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 ISO/IEC 18056. The ISO/IEC 18056 Standard includes extensible XML schemas for all of the categories of services defined in ISO/IEC 18051.

NOTE This International 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 fourth requirement are outside the scope of this International 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 International 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 International 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 International 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 ISO/IEC 18051 and a Computing Function WSDL to represent the CSTA Event Reports and Computing Function Services defined in ISO/IEC 18051. 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 International 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 ISO/IEC 18056, 5th 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 International Standard.

NOTE The namespace for csta is appropriate for all of the XML Tag Options specified in ISO/IEC 18056.

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 International Standard imports the CSTA XML data types standardized in ISO/IEC 18056.

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 International Standard imports the CSTA XML elements specified in ISO/IEC 18056.

An example of an XML element specified in ISO/IEC 18056 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 ISO/IEC 18056 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 International Standard is to derive the WSDL message element name from the corresponding ISO/IEC 18056 element name. A lower case letter is used to differentiate the WSDL message name from the ISO/IEC 18056 element name.

For example, the ISO/IEC 18056 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 ISO/IEC 18056.

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 ISO/IEC 18056 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 ISO/IEC 18056. Although a person can determine the relationship between messages associated with an operation in ISO/IEC 18056 by its logical place in the ISO/IEC 18056 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 ISO/IEC 18056 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 ISO/IEC 18051 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 International 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 ISO/IEC 18051 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 International 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 International Standard (beginning in Clause 24) corresponds to a profile specified in 2.1.3 of ISO/IEC 18051. 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>
</portType>
```

```

</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>

```

The following notation is used to describe a portType:

porttype **samplePortType**

operations	<p>CSTA-Answer-Call</p> <p>input tns:answerCall</p> <p>output tns:answerCallResponse</p> <p>fault tns:negResponse</p>
	<p>CSTA-Clear-Connection</p> <p>input tns:clearConnection</p> <p>output tns:clearConnectionResponse</p> <p>fault tns:negResponse</p>
	<p>CSTA-Make-Call</p> <p>input tns:makeCall</p> <p>output tns:makeCallResponse</p> <p>fault tns:negResponse</p>
source	<pre> <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> </pre>

6.6 Bindings

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

This International Standard allows any type of binding and binding extensions for the CSTA WSDL port types specified in this International 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	<code><message name="getCSTAFeatures"></code>
	<code><part name="parameter" element="csta:GetCSTAFeatures"/></code>
	<code></message></code>

message **getCSTAFeaturesResponse**

parts	parameter
	element csta:GetCSTAFeaturesResponse
source	<code><message name="getCSTAFeaturesResponse"></code>
	<code><part name="parameter" element="csta:GetCSTAFeaturesResponse"/></code>
	<code></message></code>

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

message **getSwitchingFunctionDevices**

parts	parameter
	element csta:GetSwitchingFunctionDevices
source	<pre><message name="getSwitchingFunctionDevices"> <part name="parameter" element="csta:GetSwitchingFunctionDevices"/> </message></pre>

message **getSwitchingFunctionDevicesResponse**

parts	parameter
	element csta:GetSwitchingFunctionDevicesResponse
source	<pre><message name="getSwitchingFunctionDevicesResponse"> <part name="parameter" element="csta:GetSwitchingFunctionDevicesResponse"/> </message></pre>

message **switchingFunctionDevices**

parts	parameter
	element csta:SwitchingFunctionDevices
source	<pre><message name="switchingFunctionDevices"> <part name="parameter" element="csta:SwitchingFunctionDevices"/> </message></pre>

7.2 Operations

operations	<p>CSTA-Get-CSTA-Features</p> <p>input tns:getCSTAFeatures</p> <p>output tns:getCSTAFeaturesResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Get-Logical-Device-Information</p> <p>input tns:getLogicalDeviceInformation</p> <p>output tns:getLogicalDeviceInformationResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Get-Physical-Device-Information</p> <p>input tns:getPhysicalDeviceInformation</p> <p>output tns:getPhysicalDeviceInformationResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Get-Switching-Function-Capabilities</p> <p>input tns:getSwitchingFunctionCaps</p> <p>output tns:getSwitchingFunctionCapsResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Get-Switching-Function-Devices</p> <p>input tns:getSwitchingFunctionDevices</p> <p>output tns:getSwitchingFunctionDevicesResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Switching-Function-Devices</p> <p>output tns:switchingFunctionDevices</p>
source	<pre> <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"/> </pre>

```

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

message changeSysStatFilterResponse

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

message systemRegister

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

message **systemRegisterResponse**

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

message **systemRegisterAbort**

parts	parameter
	element csta:SystemRegisterAbort
source	<pre><message name="systemRegisterAbort"> <part name="parameter" element="csta:SystemRegisterAbort"/> </message></pre>

message **systemRegisterCancel**

parts	parameter
	element csta:SystemRegisterCancel
source	<pre><message name="systemRegisterCancel"> <part name="parameter" element="csta:SystemRegisterCancel"/> </message></pre>

message **systemRegisterCancelResponse**

parts	parameter
	element csta:SystemRegisterCancelResponse
source	<pre><message name="systemRegisterCancelResponse"> <part name="parameter" element="csta:SystemRegisterCancelResponse"/> </message></pre>

message **requestSystemStatus**

parts	parameter
	element csta:RequestSystemStatus
source	<pre><message name="requestSystemStatus"> <part name="parameter" element="csta:RequestSystemStatus"/> </message></pre>

message **requestSystemStatusResponse**

parts	parameter
	element csta:RequestSystemStatusResponse
source	<pre><message name="requestSystemStatusResponse"> <part name="parameter" element="csta:RequestSystemStatusResponse"/> </message></pre>

message **systemStatus**

parts	parameter
	element csta:SystemStatus
source	<pre><message name="systemStatus"> <part name="parameter" element="csta:SystemStatus"/> </message></pre>

message **systemStatusResponse**

parts	parameter
	element csta:SystemStatusResponse
source	<pre><message name="systemStatusResponse"> <part name="parameter" element="csta:SystemStatusResponse"/> </message></pre>

message **swFunctionCapsChanged**

parts	parameter
	element csta:SwFunctionCapsChanged
source	<pre><message name="swFunctionCapsChanged"> <part name="parameter" element="csta:SwFunctionCapsChanged"/> </message></pre>

message **swFunctionCapsChangedResponse**

parts	parameter
	element csta:SwFunctionCapsChangedResponse
source	<pre><message name="swFunctionCapsChangedResponse"> <part name="parameter" element="csta:SwFunctionCapsChangedResponse"/> </message></pre>

message **swFunctionDevicesChanged**

parts	parameter
	element csta:SwFunctionDevicesChanged
source	<pre><message name="swFunctionDevicesChanged"> <part name="parameter" element="csta:SwFunctionDevicesChanged"/> </message></pre>

message **swFunctionDevicesChangedResponse**

parts	parameter
	element csta:SwFunctionDevicesChangedResponse
source	<pre><message name="swFunctionDevicesChangedResponse"> <part name="parameter" element="csta:SwFunctionDevicesChangedResponse"/> </message></pre>

message **getRegistrations**

parts	parameter
	element csta:GetRegistrations
source	<pre><message name="getRegistrations"> <part name="parameter" element="csta:GetRegistrations"/> </message></pre>

message **getRegistrationsResponse**

parts	parameter
	element csta:GetRegistrationsResponse
source	<pre><message name="getRegistrationsResponse"> <part name="parameter" element="csta:GetRegistrationsResponse"/> </message></pre>

message **registrationInfo**

parts	parameter
	element csta:RegistrationInfo
source	<pre><message name="registrationInfo"> <part name="parameter" element="csta:RegistrationInfo"/> </message></pre>

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](#)

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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

source input [tns:registrationInfo](#)

```

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

message **monitorStartResponse**

parts	parameter
	element csta:MonitorStartResponse
source	<pre><message name="monitorStartResponse"> <part name="parameter" element="csta:MonitorStartResponse"/> </message></pre>

message **monitorStop**

parts	parameter
	element csta:MonitorStop
source	<pre><message name="monitorStop"> <part name="parameter" element="csta:MonitorStop"/> </message></pre>

message **monitorStopResponse**

parts	parameter
	element csta:MonitorStopResponse
source	<pre><message name="monitorStopResponse"> <part name="parameter" element="csta:MonitorStopResponse"/> </message></pre>

message **getMonitors**

parts	parameter
	element csta:GetMonitors
source	<pre><message name="getMonitors"> <part name="parameter" element="csta:GetMonitors"/> </message></pre>

message **getMonitorsResponse**

parts	parameter
	element csta:GetMonitorsResponse
source	<pre><message name="getMonitorsResponse"> <part name="parameter" element="csta:GetMonitorsResponse"/> </message></pre>

message **monitorInfo**

parts	parameter
	element csta:MonitorInfo
source	<pre><message name="monitorInfo"> <part name="parameter" element="csta:MonitorInfo"/> </message></pre>

9.2 Operations

operations	<p>CSTA-Change-Monitor-Filter</p> <p>input tns:changeMonitorFilter</p> <p>output tns:changeMonitorFilterResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Monitor-Start</p> <p>input tns:monitorStart</p> <p>output tns:monitorStartResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Monitor-Stop-as-input</p> <p>input tns:monitorStop</p> <p>output tns:monitorStopResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Monitor-Stop-as-output</p> <p>input tns:monitorStop</p> <p>output tns:monitorStopResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Get-Monitors</p> <p>input tns:getMonitors</p> <p>output tns:getMonitorsResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Monitor-Info</p> <p>input tns:monitorInfo</p>
------------	---

```

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**

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

message **snapshotCallResponse**

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

message **snapshotDevice**

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

message **snapshotDeviceResponse**

parts	parameter
	element csta:SnapshotDeviceResponse
source	<pre><message name="snapshotDeviceResponse"> <part name="parameter" element="csta:SnapshotDeviceResponse"/> </message></pre>

message **snapshotCallData**

parts	parameter
	element csta:SnapshotCallData
source	<pre><message name="snapshotCallData"> <part name="parameter" element="csta:SnapshotCallData"/> </message></pre>

message **snapshotDeviceData**

parts	parameter
	element csta:SnapshotDeviceData
source	<pre><message name="snapshotDeviceData"> <part name="parameter" element="csta:SnapshotDeviceData"/> </message></pre>

10.2 Operations

operations	<p>CSTA-Snapshot-Call</p> <p>input tns:snapshotCall</p> <p>output tns:snapshotCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Snapshot-Device</p> <p>input tns:snapshotDevice</p> <p>output tns:snapshotDeviceResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Snapshot-Call-Data</p> <p>input tns:snapshotCallData</p> <p>CSTA-Snapshot-Device-Data</p> <p>input tns:snapshotDeviceData</p>
source	<pre> <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> </pre>

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

message **acceptCallResponse**

parts	parameter
	element csta:AcceptCallResponse
source	<code><message name="acceptCallResponse"></code> <code><part name="parameter" element="csta:AcceptCallResponse"/></code> <code></message></code>

message **alternateCall**

parts	parameter
	element csta:AlternateCall
source	<code><message name="alternateCall"></code> <code><part name="parameter" element="csta:AlternateCall"/></code> <code></message></code>

message **alternateCallResponse**

parts	parameter
	element csta:AlternateCallResponse
source	<code><message name="alternateCallResponse"></code> <code><part name="parameter" element="csta:AlternateCallResponse"/></code> <code></message></code>

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

message **camponCall**

parts	parameter
	element csta:CamponCall
source	<pre><message name="camponCall"> <part name="parameter" element="csta:CamponCall"/> </message></pre>

message **camponCallResponse**

parts	parameter
	element csta:CamponCallResponse
source	<pre><message name="camponCallResponse"> <part name="parameter" element="csta:CamponCallResponse"/> </message></pre>

message **clearCall**

parts	parameter
	element csta:ClearCall
source	<pre><message name="clearCall"> <part name="parameter" element="csta:ClearCall"/> </message></pre>

message **clearCallResponse**

parts	parameter
	element csta:ClearCallResponse
source	<pre><message name="clearCallResponse"> <part name="parameter" element="csta:ClearCallResponse"/> </message></pre>

message **clearConnection**

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

message **clearConnectionResponse**

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

message **conferenceCall**

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

message **conferenceCallResponse**

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

message **consultationCall**

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

message **consultationCallResponse**

parts	parameter
	element csta:ConsultationCallResponse
source	<code><message name="consultationCallResponse"></code> <code><part name="parameter" element="csta:ConsultationCallResponse"/></code> <code></message></code>

message **deflectCall**

parts	parameter
	element csta:DeflectCall
source	<code><message name="deflectCall"></code> <code><part name="parameter" element="csta:DeflectCall"/></code> <code></message></code>

message **deflectCallResponse**

parts	parameter
	element csta:DeflectCallResponse
source	<code><message name="deflectCallResponse"></code> <code><part name="parameter" element="csta:DeflectCallResponse"/></code> <code></message></code>

message **dialDigits**

parts	parameter
	element csta:DialDigits
source	<code><message name="dialDigits"></code> <code><part name="parameter" element="csta:DialDigits"/></code> <code></message></code>

message **dialDigitsResponse**

parts	parameter
	element csta:DialDigitsResponse
source	<code><message name="dialDigitsResponse"></code> <code><part name="parameter" element="csta:DialDigitsResponse"/></code> <code></message></code>

message **directedPickupCall**

parts	parameter
	element csta:DirectedPickupCall
source	<code><message name="directedPickupCall"></code> <code><part name="parameter" element="csta:DirectedPickupCall"/></code> <code></message></code>

message **directedPickupCallResponse**

parts	parameter
	element csta:DirectedPickupCallResponse
source	<code><message name="directedPickupCallResponse"></code> <code><part name="parameter" element="csta:DirectedPickupCallResponse"/></code> <code></message></code>

message **groupPickupCall**

parts	parameter
	element csta:GroupPickupCall
source	<code><message name="groupPickupCall"></code> <code><part name="parameter" element="csta:GroupPickupCall"/></code> <code></message></code>

message **groupPickupCallResponse**

parts	parameter
	element csta:GroupPickupCallResponse
source	<code><message name="groupPickupCallResponse"></code> <code><part name="parameter" element="csta:GroupPickupCallResponse"/></code> <code></message></code>

message **holdCall**

parts	parameter
	element csta:HoldCall
source	<code><message name="holdCall"></code> <code><part name="parameter" element="csta:HoldCall"/></code> <code></message></code>

message **holdCallResponse**

parts	parameter
	element csta:HoldCallResponse
source	<pre><message name="holdCallResponse"> <part name="parameter" element="csta:HoldCallResponse"/> </message></pre>

message **intrudeCall**

parts	parameter
	element csta:IntrudeCall
source	<pre><message name="intrudeCall"> <part name="parameter" element="csta:IntrudeCall"/> </message></pre>

message **intrudeCallResponse**

parts	parameter
	element csta:IntrudeCallResponse
source	<pre><message name="intrudeCallResponse"> <part name="parameter" element="csta:IntrudeCallResponse"/> </message></pre>

message **joinCall**

parts	parameter
	element csta:JoinCall
source	<pre><message name="joinCall"> <part name="parameter" element="csta:JoinCall"/> </message></pre>

message **joinCallResponse**

parts	parameter
	element csta:JoinCallResponse
source	<pre><message name="joinCallResponse"> <part name="parameter" element="csta:JoinCallResponse"/> </message></pre>

message **makeCall**

parts	parameter
	element csta:MakeCall
source	<code><message name="makeCall"></code> <code><part name="parameter" element="csta:MakeCall"/></code> <code></message></code>

message **makeCallResponse**

parts	parameter
	element csta:MakeCallResponse
source	<code><message name="makeCallResponse"></code> <code><part name="parameter" element="csta:MakeCallResponse"/></code> <code></message></code>

message **makeConnection**

parts	parameter
	element csta:MakeConnection
source	<code><message name="makeConnection"></code> <code><part name="parameter" element="csta:MakeConnection"/></code> <code></message></code>

message **makeConnectionResponse**

parts	parameter
	element csta:MakeConnectionResponse
source	<code><message name="makeConnectionResponse"></code> <code><part name="parameter" element="csta:MakeConnectionResponse"/></code> <code></message></code>

message **makePredictiveCall**

parts	parameter
	element csta:MakePredictiveCall
source	<code><message name="makePredictiveCall"></code> <code><part name="parameter" element="csta:MakePredictiveCall"/></code> <code></message></code>

message **makePredictiveCallResponse**

parts	parameter
	element csta:MakePredictiveCallResponse
source	<pre><message name="makePredictiveCallResponse"> <part name="parameter" element="csta:MakePredictiveCallResponse"/> </message></pre>

message **parkCall**

parts	parameter
	element csta:ParkCall
source	<pre><message name="parkCall"> <part name="parameter" element="csta:ParkCall"/> </message></pre>

message **parkCallResponse**

parts	parameter
	element csta:ParkCallResponse
source	<pre><message name="parkCallResponse"> <part name="parameter" element="csta:ParkCallResponse"/> </message></pre>

message **reconnectCall**

parts	parameter
	element csta:ReconnectCall
source	<pre><message name="reconnectCall"> <part name="parameter" element="csta:ReconnectCall"/> </message></pre>

message **reconnectCallResponse**

parts	parameter
	element csta:ReconnectCallResponse
source	<pre><message name="reconnectCallResponse"> <part name="parameter" element="csta:ReconnectCallResponse"/> </message></pre>

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

message **singleStepTransferCall**

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

message **singleStepTransferCallResponse**

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

message **transferCall**

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

message **transferCallResponse**

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

message **bridgedEvent**

parts	parameter
	element csta:BridgedEvent
source	<code><message name="bridgedEvent"></code> <code><part name="parameter" element="csta:BridgedEvent"/></code> <code></message></code>

message **callClearedEvent**

parts	parameter
	element csta:CallClearedEvent
source	<code><message name="callClearedEvent"></code> <code><part name="parameter" element="csta:CallClearedEvent"/></code> <code></message></code>

message **conferencedEvent**

parts	parameter
	element csta:ConferencedEvent
source	<code><message name="conferencedEvent"></code> <code><part name="parameter" element="csta:ConferencedEvent"/></code> <code></message></code>

message **connectionClearedEvent**

parts	parameter
	element csta:ConnectionClearedEvent
source	<code><message name="connectionClearedEvent"></code> <code><part name="parameter" element="csta:ConnectionClearedEvent"/></code> <code></message></code>

message **deliveredEvent**

parts	parameter
	element csta:DeliveredEvent
source	<code><message name="deliveredEvent"></code> <code><part name="parameter" element="csta:DeliveredEvent"/></code> <code></message></code>

message **digitsDialedEvent**

parts	parameter
	element csta:DigitsDialedEvent
source	<pre><message name="digitsDialedEvent"> <part name="parameter" element="csta:DigitsDialedEvent"/> </message></pre>

message **divertedEvent**

parts	parameter
	element csta:DivertedEvent
source	<pre><message name="divertedEvent"> <part name="parameter" element="csta:DivertedEvent"/> </message></pre>

message **establishedEvent**

parts	parameter
	element csta:EstablishedEvent
source	<pre><message name="establishedEvent"> <part name="parameter" element="csta:EstablishedEvent"/> </message></pre>

message **failedEvent**

parts	parameter
	element csta:FailedEvent
source	<pre><message name="failedEvent"> <part name="parameter" element="csta:FailedEvent"/> </message></pre>

message **heldEvent**

parts	parameter
	element csta:HeldEvent
source	<pre><message name="heldEvent"> <part name="parameter" element="csta:HeldEvent"/> </message></pre>

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

message **serviceInitiatedEvent**

parts	parameter
	element csta:ServiceInitiatedEvent
source	<code><message name="serviceInitiatedEvent"></code> <code><part name="parameter" element="csta:ServiceInitiatedEvent"/></code> <code></message></code>

message **transferredEvent**

parts	parameter
	element csta:TransferredEvent
source	<code><message name="transferredEvent"></code> <code><part name="parameter" element="csta:TransferredEvent"/></code> <code></message></code>

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11.2 Operations

operations	<p>CSTA-Accept-Call</p> <p>input tns:acceptCall</p> <p>output tns:acceptCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Alternate-Call</p> <p>input tns:alternateCall</p> <p>output tns:alternateCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Answer-Call</p> <p>input tns:answerCall</p> <p>output tns:answerCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Call-Back-Call-Related</p> <p>input tns:callBack</p> <p>output tns:callBackResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Call-Back-Message-Call-Related</p> <p>input tns:callBackMessage</p> <p>output tns:callBackMessageResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Camp-On-Call</p> <p>input tns:camponCall</p> <p>output tns:camponCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Clear-Call</p> <p>input tns:clearCall</p> <p>output tns:clearCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Clear-Connection</p> <p>input tns:clearConnection</p> <p>output tns:clearConnectionResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Conference-Call</p> <p>input tns:conferenceCall</p> <p>output tns:conferenceCallResponse</p> <p>fault tns:negResponse</p>
------------	--

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](#)

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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

source

```

    input tns:transferredEvent
<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:transferredEvent"/>
  </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	<pre> <message name="associateData"> <part name="parameter" element="csta:AssociateData"/> </message> </pre>

message associateDataResponse

parts	parameter
	element csta:AssociateDataResponse
source	<pre> <message name="associateDataResponse"> <part name="parameter" element="csta:AssociateDataResponse"/> </message> </pre>

message cancelTelephonyTones

parts	parameter
	element csta:CancelTelephonyTones
source	<pre> <message name="cancelTelephonyTones"> <part name="parameter" element="csta:CancelTelephonyTones"/> </message> </pre>

message **cancelTelephonyTonesResponse**

parts	parameter
	element csta:CancelTelephonyTonesResponse
source	<pre><message name="cancelTelephonyTonesResponse"> <part name="parameter" element="csta:CancelTelephonyTonesResponse"/> </message></pre>

message **changeConnectionInformation**

parts	parameter
	element csta:ChangeConnectionInformation
source	<pre><message name="changeConnectionInformation"> <part name="parameter" element="csta:ChangeConnectionInformation"/> </message></pre>

message **changeConnectionInformationResponse**

parts	parameter
	element csta:ChangeConnectionInformationResponse
source	<pre><message name="changeConnectionInformationResponse"> <part name="parameter" element="csta:ChangeConnectionInformationResponse"/> </message></pre>

message **generateDigits**

parts	parameter
	element csta:GenerateDigits
source	<pre><message name="generateDigits"> <part name="parameter" element="csta:GenerateDigits"/> </message></pre>

message **generateDigitsResponse**

parts	parameter
	element csta:GenerateDigitsResponse
source	<pre><message name="generateDigitsResponse"> <part name="parameter" element="csta:GenerateDigitsResponse"/> </message></pre>

message **generateTelephonyTones**

parts	parameter
	element csta:GenerateTelephonyTones
source	<pre><message name="generateTelephonyTones"> <part name="parameter" element="csta:GenerateTelephonyTones"/> </message></pre>

message **generateTelephonyTonesResponse**

parts	parameter
	element csta:GenerateTelephonyTonesResponse
source	<pre><message name="generateTelephonyTonesResponse"> <part name="parameter" element="csta:GenerateTelephonyTonesResponse"/> </message></pre>

message **sendUserInformation**

parts	parameter
	element csta:SendUserInformation
source	<pre><message name="sendUserInformation"> <part name="parameter" element="csta:SendUserInformation"/> </message></pre>

message **sendUserInformationResponse**

parts	parameter
	element csta:SendUserInformationResponse
source	<pre><message name="sendUserInformationResponse"> <part name="parameter" element="csta:SendUserInformationResponse"/> </message></pre>

message **callInformationEvent**

parts	parameter
	element csta:CallInformationEvent
source	<pre><message name="callInformationEvent"> <part name="parameter" element="csta:CallInformationEvent"/> </message></pre>

message **chargingEvent**

parts	parameter
	element csta:ChargingEvent
source	<pre><message name="chargingEvent"> <part name="parameter" element="csta:ChargingEvent"/> </message></pre>

message **digitsGeneratedEvent**

parts	parameter
	element csta:DigitsGeneratedEvent
source	<pre><message name="digitsGeneratedEvent"> <part name="parameter" element="csta:DigitsGeneratedEvent"/> </message></pre>

message **telephonyTonesGeneratedEvent**

parts	parameter
	element csta:TelephonyTonesGeneratedEvent
source	<pre><message name="telephonyTonesGeneratedEvent"> <part name="parameter" element="csta:TelephonyTonesGeneratedEvent"/> </message></pre>

message **serviceCompletionFailureEvent**

parts	parameter
	element csta:ServiceCompletionFailureEvent
source	<pre><message name="serviceCompletionFailureEvent"> <part name="parameter" element="csta:ServiceCompletionFailureEvent"/> </message></pre>

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>

```

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

message **routeRequest**

parts	parameter
	element csta:RouteRequest
source	<code><message name="routeRequest"></code> <code><part name="parameter" element="csta:RouteRequest"/></code> <code></message></code>

message **routeSelect**

parts	parameter
	element csta:RouteSelect
source	<code><message name="routeSelect"></code> <code><part name="parameter" element="csta:RouteSelect"/></code> <code></message></code>

message **routeUsed**

parts	parameter
	element csta:RouteUsed
source	<code><message name="routeUsed"></code> <code><part name="parameter" element="csta:RouteUsed"/></code> <code></message></code>

14.2 Operations

operations	<p>CSTA-Route-Register</p> <p>input tns:routeRegister</p> <p>output tns:routeRegisterResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Route-Register-Abort</p> <p>input tns:routeRegisterAbort</p> <p>CSTA-Route-Register-Cancel</p> <p>input tns:routeRegisterCancel</p> <p>output tns:routeRegisterCancelResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Re-Route</p> <p>input tns:reRoute</p> <p>CSTA-Route-End-as-input</p> <p>input tns:routeEnd</p> <p>CSTA-Route-End-as-output</p> <p>input tns:routeEnd</p> <p>CSTA-Route-Reject</p> <p>input tns:routeReject</p> <p>CSTA-Route-Request</p> <p>input tns:routeRequest</p> <p>CSTA-Route-Select</p> <p>input tns:routeSelect</p> <p>CSTA-Route-Used</p> <p>input tns:routeUsed</p>
source	<pre> <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> <operation name="CSTA-Route-Register-Cancel"> <input message="tns:routeRegisterCancel"/> </pre>

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```

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

message **getAuditoryApparatusInformationResponse**

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

message **getButtonInformation**

parts	parameter
	element csta:GetButtonInformation
source	<code><message name="getButtonInformation"></code> <code><part name="parameter" element="csta:GetButtonInformation"/></code> <code></message></code>

message **getButtonInformationResponse**

parts	parameter
	element csta:GetButtonInformationResponse
source	<code><message name="getButtonInformationResponse"></code> <code><part name="parameter" element="csta:GetButtonInformationResponse"/></code> <code></message></code>

message **getDisplay**

parts	parameter
	element csta:GetDisplay
source	<code><message name="getDisplay"></code> <code><part name="parameter" element="csta:GetDisplay"/></code> <code></message></code>

message **getDisplayResponse**

parts	parameter
	element csta:GetDisplayResponse
source	<code><message name="getDisplayResponse"></code> <code><part name="parameter" element="csta:GetDisplayResponse"/></code> <code></message></code>

message **getHookswitchStatus**

parts	parameter
	element csta:GetHookswitchStatus
source	<code><message name="getHookswitchStatus"></code> <code><part name="parameter" element="csta:GetHookswitchStatus"/></code> <code></message></code>

message **getHookswitchStatusResponse**

parts	parameter
	element csta:GetHookswitchStatusResponse
source	<code><message name="getHookswitchStatusResponse"></code> <code><part name="parameter" element="csta:GetHookswitchStatusResponse"/></code> <code></message></code>

message **getLampInformation**

parts	parameter
	element csta:GetLampInformation
source	<code><message name="getLampInformation"></code> <code><part name="parameter" element="csta:GetLampInformation"/></code> <code></message></code>

message **getLampInformationResponse**

parts	parameter
	element csta:GetLampInformationResponse
source	<code><message name="getLampInformationResponse"></code> <code><part name="parameter" element="csta:GetLampInformationResponse"/></code> <code></message></code>

message **getLampMode**

parts	parameter
	element csta:GetLampMode
source	<code><message name="getLampMode"></code> <code><part name="parameter" element="csta:GetLampMode"/></code> <code></message></code>

message **getLampModeResponse**

parts	parameter
	element csta:GetLampModeResponse
source	<code><message name="getLampModeResponse"></code> <code><part name="parameter" element="csta:GetLampModeResponse"/></code> <code></message></code>

message **getMessageWaitingIndicator**

parts	parameter
	element csta:GetMessageWaitingIndicator
source	<code><message name="getMessageWaitingIndicator"></code> <code><part name="parameter" element="csta:GetMessageWaitingIndicator"/></code> <code></message></code>

message **getMessageWaitingIndicatorResponse**

parts	parameter
	element csta:GetMessageWaitingIndicatorResponse
source	<code><message name="getMessageWaitingIndicatorResponse"></code> <code><part name="parameter" element="csta:GetMessageWaitingIndicatorResponse"/></code> <code></message></code>

message **getMicrophoneGain**

parts	parameter
	element csta:GetMicrophoneGain
source	<code><message name="getMicrophoneGain"></code> <code><part name="parameter" element="csta:GetMicrophoneGain"/></code> <code></message></code>

message **getMicrophoneGainResponse**

parts	parameter
	element csta:GetMicrophoneGainResponse
source	<code><message name="getMicrophoneGainResponse"></code> <code><part name="parameter" element="csta:GetMicrophoneGainResponse"/></code> <code></message></code>

message **getMicrophoneMute**

parts	parameter
	element csta:GetMicrophoneMute
source	<code><message name="getMicrophoneMute"></code> <code><part name="parameter" element="csta:GetMicrophoneMute"/></code> <code></message></code>

message **getMicrophoneMuteResponse**

parts	parameter
	element csta:GetMicrophoneMuteResponse
source	<code><message name="getMicrophoneMuteResponse"></code> <code><part name="parameter" element="csta:GetMicrophoneMuteResponse"/></code> <code></message></code>

message **getRingerStatus**

parts	parameter
	element csta:GetRingerStatus
source	<code><message name="getRingerStatus"></code> <code><part name="parameter" element="csta:GetRingerStatus"/></code> <code></message></code>

message **getRingerStatusResponse**

parts	parameter
	element csta:GetRingerStatusResponse
source	<code><message name="getRingerStatusResponse"></code> <code><part name="parameter" element="csta:GetRingerStatusResponse"/></code> <code></message></code>

message **getSpeakerMute**

parts	parameter
	element csta:GetSpeakerMute
source	<code><message name="getSpeakerMute"></code> <code><part name="parameter" element="csta:GetSpeakerMute"/></code> <code></message></code>

message **getSpeakerMuteResponse**

parts	parameter
	element csta:GetSpeakerMuteResponse
source	<code><message name="getSpeakerMuteResponse"></code> <code><part name="parameter" element="csta:GetSpeakerMuteResponse"/></code> <code></message></code>

message **getSpeakerVolume**

parts	parameter
	element csta:GetSpeakerVolume
source	<code><message name="getSpeakerVolume"></code> <code><part name="parameter" element="csta:GetSpeakerVolume"/></code> <code></message></code>

message **getSpeakerVolumeResponse**

parts	parameter
	element csta:GetSpeakerVolumeResponse
source	<code><message name="getSpeakerVolumeResponse"></code> <code><part name="parameter" element="csta:GetSpeakerVolumeResponse"/></code> <code></message></code>

message **setButtonInformation**

parts	parameter
	element csta:SetButtonInformation
source	<code><message name="setButtonInformation"></code> <code><part name="parameter" element="csta:SetButtonInformation"/></code> <code></message></code>

message **setButtonInformationResponse**

parts	parameter
	element csta:SetButtonInformationResponse
source	<code><message name="setButtonInformationResponse"></code> <code><part name="parameter" element="csta:SetButtonInformationResponse"/></code> <code></message></code>

message **setDisplay**

parts	parameter
	element csta:SetDisplay
source	<code><message name="setDisplay"></code> <code><part name="parameter" element="csta:SetDisplay"/></code> <code></message></code>

message **setDisplayResponse**

parts	parameter
	element csta:SetDisplayResponse
source	<code><message name="setDisplayResponse"></code> <code><part name="parameter" element="csta:SetDisplayResponse"/></code> <code></message></code>

message **setHookswitchStatus**

parts	parameter
	element csta:SetHookswitchStatus
source	<code><message name="setHookswitchStatus"></code> <code><part name="parameter" element="csta:SetHookswitchStatus"/></code> <code></message></code>

message **setHookswitchStatusResponse**

parts	parameter
	element csta:SetHookswitchStatusResponse
source	<code><message name="setHookswitchStatusResponse"></code> <code><part name="parameter" element="csta:SetHookswitchStatusResponse"/></code> <code></message></code>

message **setLampMode**

parts	parameter
	element csta:SetLampMode
source	<code><message name="setLampMode"></code> <code><part name="parameter" element="csta:SetLampMode"/></code> <code></message></code>

message **setLampModeResponse**

parts	parameter
	element csta:SetLampModeResponse
source	<code><message name="setLampModeResponse"></code> <code><part name="parameter" element="csta:SetLampModeResponse"/></code> <code></message></code>

message **setMessageWaitingIndicator**

parts	parameter
	element csta:SetMessageWaitingIndicator
source	<code><message name="setMessageWaitingIndicator"></code> <code><part name="parameter" element="csta:SetMessageWaitingIndicator"/></code> <code></message></code>

message **setMessageWaitingIndicatorResponse**

parts	parameter
	element csta:SetMessageWaitingIndicatorResponse
source	<code><message name="setMessageWaitingIndicatorResponse"></code> <code><part name="parameter" element="csta:SetMessageWaitingIndicatorResponse"/></code> <code></message></code>

message **setMicrophoneGain**

parts	parameter
	element csta:SetMicrophoneGain
source	<code><message name="setMicrophoneGain"></code> <code><part name="parameter" element="csta:SetMicrophoneGain"/></code> <code></message></code>

message **setMicrophoneGainResponse**

parts	parameter
	element csta:SetMicrophoneGainResponse
source	<code><message name="setMicrophoneGainResponse"></code> <code><part name="parameter" element="csta:SetMicrophoneGainResponse"/></code> <code></message></code>

message **setMicrophoneMute**

parts	parameter
	element csta:SetMicrophoneMute
source	<code><message name="setMicrophoneMute"></code> <code><part name="parameter" element="csta:SetMicrophoneMute"/></code> <code></message></code>

message **setMicrophoneMuteResponse**

parts	parameter
	element csta:SetMicrophoneMuteResponse
source	<code><message name="setMicrophoneMuteResponse"></code> <code><part name="parameter" element="csta:SetMicrophoneMuteResponse"/></code> <code></message></code>

message **setRingerStatus**

parts	parameter
	element csta:SetRingerStatus
source	<code><message name="setRingerStatus"></code> <code><part name="parameter" element="csta:SetRingerStatus"/></code> <code></message></code>

message **setRingerStatusResponse**

parts	parameter
	element csta:SetRingerStatusResponse
source	<code><message name="setRingerStatusResponse"></code> <code><part name="parameter" element="csta:SetRingerStatusResponse"/></code> <code></message></code>

message **setSpeakerMute**

parts	parameter
	element csta:SetSpeakerMute
source	<code><message name="setSpeakerMute"></code> <code><part name="parameter" element="csta:SetSpeakerMute"/></code> <code></message></code>

message **setSpeakerMuteResponse**

parts	parameter
	element csta:SetSpeakerMuteResponse
source	<code><message name="setSpeakerMuteResponse"></code> <code><part name="parameter" element="csta:SetSpeakerMuteResponse"/></code> <code></message></code>

message **setSpeakerVolume**

parts	parameter
	element csta:SetSpeakerVolume
source	<code><message name="setSpeakerVolume"></code> <code><part name="parameter" element="csta:SetSpeakerVolume"/></code> <code></message></code>

message **setSpeakerVolumeResponse**

parts	parameter
	element csta:SetSpeakerVolumeResponse
source	<code><message name="setSpeakerVolumeResponse"></code> <code><part name="parameter" element="csta:SetSpeakerVolumeResponse"/></code> <code></message></code>

message **buttonInformationEvent**

parts	parameter
	element csta:ButtonInformationEvent
source	<code><message name="buttonInformationEvent"></code> <code><part name="parameter" element="csta:ButtonInformationEvent"/></code> <code></message></code>

message **buttonPressEvent**

parts	parameter
	element csta:ButtonPressEvent
source	<code><message name="buttonPressEvent"></code> <code><part name="parameter" element="csta:ButtonPressEvent"/></code> <code></message></code>

message **displayUpdatedEvent**

parts	parameter
	element csta:DisplayUpdatedEvent
source	<code><message name="displayUpdatedEvent"></code> <code><part name="parameter" element="csta:DisplayUpdatedEvent"/></code> <code></message></code>

message **hookswitchEvent**

parts	parameter
	element csta:HookswitchEvent
source	<code><message name="hookswitchEvent"></code> <code><part name="parameter" element="csta:HookswitchEvent"/></code> <code></message></code>

message **lampModeEvent**

parts	parameter
	element csta:LampModeEvent
source	<code><message name="lampModeEvent"></code> <code><part name="parameter" element="csta:LampModeEvent"/></code> <code></message></code>

message **messageWaitingEvent**

parts	parameter
	element csta:MessageWaitingEvent
source	<code><message name="messageWaitingEvent"></code> <code><part name="parameter" element="csta:MessageWaitingEvent"/></code> <code></message></code>

message **microphoneGainEvent**

parts	parameter
	element csta:MicrophoneGainEvent
source	<code><message name="microphoneGainEvent"></code> <code><part name="parameter" element="csta:MicrophoneGainEvent"/></code> <code></message></code>

message **microphoneMuteEvent**

parts	parameter
	element csta:MicrophoneMuteEvent
source	<code><message name="microphoneMuteEvent"></code> <code><part name="parameter" element="csta:MicrophoneMuteEvent"/></code> <code></message></code>

message **ringerStatusEvent**

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

message **speakerMuteEvent**

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

message **speakerVolumeEvent**

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

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](#)

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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"/>

```

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</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**

	parameter
parts	element csta:CallBackMessageNonCallRelated
source	<pre> <message name="callBackMessageNonCallRelated"> <part name="parameter" element="csta:CallBackMessageNonCallRelated"/> </message> </pre>

message **callBackMessageNonCallRelatedResponse**

parts	parameter
	element csta:CallBackMessageNonCallRelatedResponse
source	<code><message name="callBackMessageNonCallRelatedResponse"></code> <code><part name="parameter" element="csta:CallBackMessageNonCallRelatedResponse"/></code> <code></message></code>

message **callBackNonCallRelated**

parts	parameter
	element csta:CallBackNonCallRelated
source	<code><message name="callBackNonCallRelated"></code> <code><part name="parameter" element="csta:CallBackNonCallRelated"/></code> <code></message></code>

message **callBackNonCallRelatedResponse**

parts	parameter
	element csta:CallBackNonCallRelatedResponse
source	<code><message name="callBackNonCallRelatedResponse"></code> <code><part name="parameter" element="csta:CallBackNonCallRelatedResponse"/></code> <code></message></code>

message **cancelCallBack**

parts	parameter
	element csta:CancelCallBack
source	<code><message name="cancelCallBack"></code> <code><part name="parameter" element="csta:CancelCallBack"/></code> <code></message></code>

message **cancelCallBackResponse**

parts	parameter
	element csta:CancelCallBackResponse
source	<code><message name="cancelCallBackResponse"></code> <code><part name="parameter" element="csta:CancelCallBackResponse"/></code> <code></message></code>

message **cancelCallBackMessage**

parts	parameter
	element csta:CancelCallBackMessage
source	<code><message name="cancelCallBackMessage"></code> <code><part name="parameter" element="csta:CancelCallBackMessage"/></code> <code></message></code>

message **cancelCallBackMessageResponse**

parts	parameter
	element csta:CancelCallBackMessageResponse
source	<code><message name="cancelCallBackMessageResponse"></code> <code><part name="parameter" element="csta:CancelCallBackMessageResponse"/></code> <code></message></code>

message **getAgentState**

parts	parameter
	element csta:GetAgentState
source	<code><message name="getAgentState"></code> <code><part name="parameter" element="csta:GetAgentState"/></code> <code></message></code>

message **getAgentStateResponse**

parts	parameter
	element csta:GetAgentStateResponse
source	<code><message name="getAgentStateResponse"></code> <code><part name="parameter" element="csta:GetAgentStateResponse"/></code> <code></message></code>

message **getAutoAnswer**

parts	parameter
	element csta:GetAutoAnswer
source	<code><message name="getAutoAnswer"></code> <code><part name="parameter" element="csta:GetAutoAnswer"/></code> <code></message></code>

message **getAutoAnswerResponse**

parts	parameter
	element csta:GetAutoAnswerResponse
source	<code><message name="getAutoAnswerResponse"></code> <code><part name="parameter" element="csta:GetAutoAnswerResponse"/></code> <code></message></code>

message **getAutoWorkMode**

parts	parameter
	element csta:GetAutoWorkMode
source	<code><message name="getAutoWorkMode"></code> <code><part name="parameter" element="csta:GetAutoWorkMode"/></code> <code></message></code>

message **getAutoWorkModeResponse**

parts	parameter
	element csta:GetAutoWorkModeResponse
source	<code><message name="getAutoWorkModeResponse"></code> <code><part name="parameter" element="csta:GetAutoWorkModeResponse"/></code> <code></message></code>

message **getCallBack**

parts	parameter
	element csta:GetCallBack
source	<code><message name="getCallBack"></code> <code><part name="parameter" element="csta:GetCallBack"/></code> <code></message></code>

message **getCallBackResponse**

parts	parameter
	element csta:GetCallBackResponse
source	<code><message name="getCallBackResponse"></code> <code><part name="parameter" element="csta:GetCallBackResponse"/></code> <code></message></code>

message **getCallerIDStatus**

parts	parameter
	element csta:GetCallerIDStatus
source	<code><message name="getCallerIDStatus"></code> <code><part name="parameter" element="csta:GetCallerIDStatus"/></code> <code></message></code>

message **getCallerIDStatusResponse**

parts	parameter
	element csta:GetCallerIDStatusResponse
source	<code><message name="getCallerIDStatusResponse"></code> <code><part name="parameter" element="csta:GetCallerIDStatusResponse"/></code> <code></message></code>

message **getDoNotDisturb**

parts	parameter
	element csta:GetDoNotDisturb
source	<code><message name="getDoNotDisturb"></code> <code><part name="parameter" element="csta:GetDoNotDisturb"/></code> <code></message></code>

message **getDoNotDisturbResponse**

parts	parameter
	element csta:GetDoNotDisturbResponse
source	<code><message name="getDoNotDisturbResponse"></code> <code><part name="parameter" element="csta:GetDoNotDisturbResponse"/></code> <code></message></code>

message **getForwarding**

parts	parameter
	element csta:GetForwarding
source	<code><message name="getForwarding"></code> <code><part name="parameter" element="csta:GetForwarding"/></code> <code></message></code>

message **getForwardingResponse**

parts	parameter
	element csta:GetForwardingResponse
source	<code><message name="getForwardingResponse"></code> <code><part name="parameter" element="csta:GetForwardingResponse"/></code> <code></message></code>

message **getLastNumberDialed**

parts	parameter
	element csta:GetLastNumberDialed
source	<code><message name="getLastNumberDialed"></code> <code><part name="parameter" element="csta:GetLastNumberDialed"/></code> <code></message></code>

message **getLastNumberDialedResponse**

parts	parameter
	element csta:GetLastNumberDialedResponse
source	<code><message name="getLastNumberDialedResponse"></code> <code><part name="parameter" element="csta:GetLastNumberDialedResponse"/></code> <code></message></code>

message **getRouteingMode**

parts	parameter
	element csta:GetRouteingMode
source	<code><message name="getRouteingMode"></code> <code><part name="parameter" element="csta:GetRouteingMode"/></code> <code></message></code>

message **getRouteingModeResponse**

parts	parameter
	element csta:GetRouteingModeResponse
source	<code><message name="getRouteingModeResponse"></code> <code><part name="parameter" element="csta:GetRouteingModeResponse"/></code> <code></message></code>

message **setAgentState**

parts	parameter
	element csta:SetAgentState
source	<code><message name="setAgentState"></code> <code><part name="parameter" element="csta:SetAgentState"/></code> <code></message></code>

message **setAgentStateResponse**

parts	parameter
	element csta:SetAgentStateResponse
source	<code><message name="setAgentStateResponse"></code> <code><part name="parameter" element="csta:SetAgentStateResponse"/></code> <code></message></code>

message **setAutoAnswer**

parts	parameter
	element csta:SetAutoAnswer
source	<code><message name="setAutoAnswer"></code> <code><part name="parameter" element="csta:SetAutoAnswer"/></code> <code></message></code>

message **setAutoAnswerResponse**

parts	parameter
	element csta:SetAutoAnswerResponse
source	<code><message name="setAutoAnswerResponse"></code> <code><part name="parameter" element="csta:SetAutoAnswerResponse"/></code> <code></message></code>

message **setAutoWorkMode**

parts	parameter
	element csta:SetAutoWorkMode
source	<code><message name="setAutoWorkMode"></code> <code><part name="parameter" element="csta:SetAutoWorkMode"/></code> <code></message></code>

message **setAutoWorkModeResponse**

parts	parameter
	element csta:SetAutoWorkModeResponse
source	<code><message name="setAutoWorkModeResponse"></code> <code><part name="parameter" element="csta:SetAutoWorkModeResponse"/></code> <code></message></code>

message **setCallerIDStatus**

parts	parameter
	element csta:SetCallerIDStatus
source	<code><message name="setCallerIDStatus"></code> <code><part name="parameter" element="csta:SetCallerIDStatus"/></code> <code></message></code>

message **setCallerIDStatusResponse**

parts	parameter
	element csta:SetCallerIDStatusResponse
source	<code><message name="setCallerIDStatusResponse"></code> <code><part name="parameter" element="csta:SetCallerIDStatusResponse"/></code> <code></message></code>

message **setDoNotDisturb**

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

message **setDoNotDisturbResponse**

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

message **setForwarding**

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

message **setForwardingResponse**

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

message **setRouteingMode**

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

message **setRouteingModeResponse**

parts	parameter
	element csta:SetRouteingModeResponse
source	<code><message name="setRouteingModeResponse"></code> <code><part name="parameter" element="csta:SetRouteingModeResponse"/></code> <code></message></code>

message **agentBusyEvent**

parts	parameter
	element csta:AgentBusyEvent
source	<code><message name="agentBusyEvent"></code> <code><part name="parameter" element="csta:AgentBusyEvent"/></code> <code></message></code>

message **agentLoggedOffEvent**

parts	parameter
	element csta:AgentLoggedOffEvent
source	<code><message name="agentLoggedOffEvent"></code> <code><part name="parameter" element="csta:AgentLoggedOffEvent"/></code> <code></message></code>

message **agentLoggedOnEvent**

parts	parameter
	element csta:AgentLoggedOnEvent
source	<code><message name="agentLoggedOnEvent"></code> <code><part name="parameter" element="csta:AgentLoggedOnEvent"/></code> <code></message></code>

message **agentNotReadyEvent**

parts	parameter
	element csta:AgentNotReadyEvent
source	<code><message name="agentNotReadyEvent"></code> <code><part name="parameter" element="csta:AgentNotReadyEvent"/></code> <code></message></code>

message **agentReadyEvent**

parts	parameter
	element csta:AgentReadyEvent
source	<code><message name="agentReadyEvent"></code> <code><part name="parameter" element="csta:AgentReadyEvent"/></code> <code></message></code>

message **agentWorkingAfterCallEvent**

parts	parameter
	element csta:AgentWorkingAfterCallEvent
source	<code><message name="agentWorkingAfterCallEvent"></code> <code><part name="parameter" element="csta:AgentWorkingAfterCallEvent"/></code> <code></message></code>

message **autoAnswerEvent**

parts	parameter
	element csta:AutoAnswerEvent
source	<code><message name="autoAnswerEvent"></code> <code><part name="parameter" element="csta:AutoAnswerEvent"/></code> <code></message></code>

message **autoWorkModeEvent**

parts	parameter
	element csta:AutoWorkModeEvent
source	<code><message name="autoWorkModeEvent"></code> <code><part name="parameter" element="csta:AutoWorkModeEvent"/></code> <code></message></code>

message **callBackEvent**

parts	parameter
	element csta:CallBackEvent
source	<code><message name="callBackEvent"></code> <code><part name="parameter" element="csta:CallBackEvent"/></code> <code></message></code>

message **callBackMessageEvent**

parts	parameter
	element csta:CallBackMessageEvent
source	<code><message name="callBackMessageEvent"></code> <code><part name="parameter" element="csta:CallBackMessageEvent"/></code> <code></message></code>

message **callerIDStatusEvent**

parts	parameter
	element csta:CallerIDStatusEvent
source	<code><message name="callerIDStatusEvent"></code> <code><part name="parameter" element="csta:CallerIDStatusEvent"/></code> <code></message></code>

message **doNotDisturbEvent**

parts	parameter
	element csta:DoNotDisturbEvent
source	<pre><message name="doNotDisturbEvent"> <part name="parameter" element="csta:DoNotDisturbEvent"/> </message></pre>

message **forwardingEvent**

parts	parameter
	element csta:ForwardingEvent
source	<pre><message name="forwardingEvent"> <part name="parameter" element="csta:ForwardingEvent"/> </message></pre>

message **routeingEvent**

parts	parameter
	element csta:RouteingEvent
source	<pre><message name="routeingEvent"> <part name="parameter" element="csta:RouteingEvent"/> </message></pre>

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](#)

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CSTA-Agent-Not-Ready-Eventinput [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"/>
  <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>

```

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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>

```

17.2 Operations

operations	<p>CSTA-Back-In-Service-Event</p> <p>input tns:backInServiceEvent</p> <p>CSTA-Device-Capabilities-Changed-Event</p> <p>input tns:deviceCapsChangedEvent</p> <p>CSTA-Out-Of-Service-Event</p> <p>input tns:outOfServiceEvent</p> <p>CSTA-Partially-In-Service-Event</p> <p>input tns:partiallyInServiceEvent</p>
source	<pre> <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> </pre>

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	<p>parameter</p> <p>element csta:IORegister</p>
source	<pre> <message name="iORegister"> <part name="parameter" element="csta:IORegister"/> </message> </pre>

message **iORegisterResponse**

parts	<p>parameter</p> <p>element csta:IORegisterResponse</p>
source	<pre> <message name="iORegisterResponse"> <part name="parameter" element="csta:IORegisterResponse"/> </message> </pre>

message **iORegisterAbort**

parts	parameter
	element csta:IORegisterAbort
source	<code><message name="iORegisterAbort"></code> <code><part name="parameter" element="csta:IORegisterAbort"/></code> <code></message></code>

message **iORegisterCancel**

parts	parameter
	element csta:IORegisterCancel
source	<code><message name="iORegisterCancel"></code> <code><part name="parameter" element="csta:IORegisterCancel"/></code> <code></message></code>

message **iORegisterCancelResponse**

parts	parameter
	element csta:IORegisterCancelResponse
source	<code><message name="iORegisterCancelResponse"></code> <code><part name="parameter" element="csta:IORegisterCancelResponse"/></code> <code></message></code>

message **dataPathResumed**

parts	parameter
	element csta:DataPathResumed
source	<code><message name="dataPathResumed"></code> <code><part name="parameter" element="csta:DataPathResumed"/></code> <code></message></code>

message **dataPathResumedResponse**

parts	parameter
	element csta:DataPathResumedResponse
source	<code><message name="dataPathResumedResponse"></code> <code><part name="parameter" element="csta:DataPathResumedResponse"/></code> <code></message></code>

message **dataPathSuspended**

parts	parameter
	element csta:DataPathSuspended
source	<code><message name="dataPathSuspended"></code> <code><part name="parameter" element="csta:DataPathSuspended"/></code> <code></message></code>

message **dataPathSuspendedResponse**

parts	parameter
	element csta:DataPathSuspendedResponse
source	<code><message name="dataPathSuspendedResponse"></code> <code><part name="parameter" element="csta:DataPathSuspendedResponse"/></code> <code></message></code>

message **fastData**

parts	parameter
	element csta:FastData
source	<code><message name="fastData"></code> <code><part name="parameter" element="csta:FastData"/></code> <code></message></code>

message **fastDataResponse**

parts	parameter
	element csta:FastDataResponse
source	<code><message name="fastDataResponse"></code> <code><part name="parameter" element="csta:FastDataResponse"/></code> <code></message></code>

message **resumeDataPath**

parts	parameter
	element csta:ResumeDataPath
source	<code><message name="resumeDataPath"></code> <code><part name="parameter" element="csta:ResumeDataPath"/></code> <code></message></code>

message **resumeDataPathResponse**

parts	parameter
	element csta:ResumeDataPathResponse
source	<code><message name="resumeDataPathResponse"></code> <code><part name="parameter" element="csta:ResumeDataPathResponse"/></code> <code></message></code>

message **sendBroadcastData**

parts	parameter
	element csta:SendBroadcastData
source	<code><message name="sendBroadcastData"></code> <code><part name="parameter" element="csta:SendBroadcastData"/></code> <code></message></code>

message **sendBroadcastDataResponse**

parts	parameter
	element csta:SendBroadcastDataResponse
source	<code><message name="sendBroadcastDataResponse"></code> <code><part name="parameter" element="csta:SendBroadcastDataResponse"/></code> <code></message></code>

message **sendData**

parts	parameter
	element csta:SendData
source	<code><message name="sendData"></code> <code><part name="parameter" element="csta:SendData"/></code> <code></message></code>

message **sendDataResponse**

parts	parameter
	element csta:SendDataResponse
source	<code><message name="sendDataResponse"></code> <code><part name="parameter" element="csta:SendDataResponse"/></code> <code></message></code>

message **sendMulticastData**

parts	parameter
	element csta:SendMulticastData
source	<code><message name="sendMulticastData"></code> <code><part name="parameter" element="csta:SendMulticastData"/></code> <code></message></code>

message **sendMulticastDataResponse**

parts	parameter
	element csta:SendMulticastDataResponse
source	<code><message name="sendMulticastDataResponse"></code> <code><part name="parameter" element="csta:SendMulticastDataResponse"/></code> <code></message></code>

message **startDataPath**

parts	parameter
	element csta:StartDataPath
source	<code><message name="startDataPath"></code> <code><part name="parameter" element="csta:StartDataPath"/></code> <code></message></code>

message **startDataPathResponse**

parts	parameter
	element csta:StartDataPathResponse
source	<code><message name="startDataPathResponse"></code> <code><part name="parameter" element="csta:StartDataPathResponse"/></code> <code></message></code>

message **stopDataPath**

parts	parameter
	element csta:StopDataPath
source	<code><message name="stopDataPath"></code> <code><part name="parameter" element="csta:StopDataPath"/></code> <code></message></code>

message **stopDataPathResponse**

parts	parameter
	element csta:StopDataPathResponse
source	<code><message name="stopDataPathResponse"></code> <code><part name="parameter" element="csta:StopDataPathResponse"/></code> <code></message></code>

message **suspendDataPath**

parts	parameter
	element csta:SuspendDataPath
source	<code><message name="suspendDataPath"></code> <code><part name="parameter" element="csta:SuspendDataPath"/></code> <code></message></code>

message **suspendDataPathResponse**

parts	parameter
	element csta:SuspendDataPathResponse
source	<code><message name="suspendDataPathResponse"></code> <code><part name="parameter" element="csta:SuspendDataPathResponse"/></code> <code></message></code>

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](#)

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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](#)

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>

```

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	<code><message name="dataCollectionResumed"></code> <code><part name="parameter" element="csta:DataCollectionResumed"/></code> <code></message></code>

message **dataCollectionResumedResponse**

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

message **dataCollectionSuspended**

parts	parameter
	element csta:DataCollectionSuspended
source	<code><message name="dataCollectionSuspended"></code> <code><part name="parameter" element="csta:DataCollectionSuspended"/></code> <code></message></code>

message **dataCollectionSuspendedResponse**

parts	parameter
	element csta:DataCollectionSuspendedResponse
source	<code><message name="dataCollectionSuspendedResponse"></code> <code><part name="parameter" element="csta:DataCollectionSuspendedResponse"/></code> <code></message></code>

message **resumeDataCollection**

parts	parameter
	element csta:ResumeDataCollection
source	<code><message name="resumeDataCollection"></code> <code><part name="parameter" element="csta:ResumeDataCollection"/></code> <code></message></code>

message **resumeDataCollectionResponse**

parts	parameter
	element csta:ResumeDataCollectionResponse
source	<code><message name="resumeDataCollectionResponse"></code> <code><part name="parameter" element="csta:ResumeDataCollectionResponse"/></code> <code></message></code>

message **startDataCollection**

parts	parameter
	element csta:StartDataCollection
source	<code><message name="startDataCollection"></code> <code><part name="parameter" element="csta:StartDataCollection"/></code> <code></message></code>

message **startDataCollectionResponse**

parts	parameter
	element csta:StartDataCollectionResponse
source	<code><message name="startDataCollectionResponse"></code> <code><part name="parameter" element="csta:StartDataCollectionResponse"/></code> <code></message></code>

message **stopDataCollection**

parts	parameter
	element csta:StopDataCollection
source	<code><message name="stopDataCollection"></code> <code><part name="parameter" element="csta:StopDataCollection"/></code> <code></message></code>

message **stopDataCollectionResponse**

parts	parameter
	element csta:StopDataCollectionResponse
source	<code><message name="stopDataCollectionResponse"></code> <code><part name="parameter" element="csta:StopDataCollectionResponse"/></code> <code></message></code>

message **suspendDataCollection**

parts	parameter
	element csta:SuspendDataCollection
source	<pre><message name="suspendDataCollection"> <part name="parameter" element="csta:SuspendDataCollection"/> </message></pre>

message **suspendDataCollectionResponse**

parts	parameter
	element csta:SuspendDataCollectionResponse
source	<pre><message name="suspendDataCollectionResponse"> <part name="parameter" element="csta:SuspendDataCollectionResponse"/> </message></pre>

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

message **clearResponse**

parts	parameter
	element csta:ClearResponse
source	<code><message name="clearResponse"></code> <code><part name="parameter" element="csta:ClearResponse"/></code> <code></message></code>

message **concatenateMessage**

parts	parameter
	element csta:ConcatenateMessage
source	<code><message name="concatenateMessage"></code> <code><part name="parameter" element="csta:ConcatenateMessage"/></code> <code></message></code>

message **concatenateMessageResponse**

parts	parameter
	element csta:ConcatenateMessageResponse
source	<code><message name="concatenateMessageResponse"></code> <code><part name="parameter" element="csta:ConcatenateMessageResponse"/></code> <code></message></code>

message **deactivate**

parts	parameter
	element csta:Deactivate
source	<code><message name="deactivate"></code> <code><part name="parameter" element="csta:Deactivate"/></code> <code></message></code>

message **deactivateResponse**

parts	parameter
	element csta:DeactivateResponse
source	<code><message name="deactivateResponse"></code> <code><part name="parameter" element="csta:DeactivateResponse"/></code> <code></message></code>

message **deleteMessage**

parts	parameter
	element csta>DeleteMessage
source	<code><message name="deleteMessage"></code> <code><part name="parameter" element="csta>DeleteMessage"/></code> <code></message></code>

message **deleteMessageResponse**

parts	parameter
	element csta>DeleteMessageResponse
source	<code><message name="deleteMessageResponse"></code> <code><part name="parameter" element="csta>DeleteMessageResponse"/></code> <code></message></code>

message **playMessage**

parts	parameter
	element csta:PlayMessage
source	<code><message name="playMessage"></code> <code><part name="parameter" element="csta:PlayMessage"/></code> <code></message></code>

message **playMessageResponse**

parts	parameter
	element csta:PlayMessageResponse
source	<code><message name="playMessageResponse"></code> <code><part name="parameter" element="csta:PlayMessageResponse"/></code> <code></message></code>

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

message **reposition**

parts	parameter
	element csta:Reposition
source	<code><message name="reposition"></code> <code><part name="parameter" element="csta:Reposition"/></code> <code></message></code>

message **repositionResponse**

parts	parameter
	element csta:RepositionResponse
source	<code><message name="repositionResponse"></code> <code><part name="parameter" element="csta:RepositionResponse"/></code> <code></message></code>

message **resume**

parts	parameter
	element csta:Resume
source	<code><message name="resume"></code> <code><part name="parameter" element="csta:Resume"/></code> <code></message></code>

message **resumeResponse**

parts	parameter
	element csta:ResumeResponse
source	<code><message name="resumeResponse"></code> <code><part name="parameter" element="csta:ResumeResponse"/></code> <code></message></code>

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

message **stop**

parts	parameter
	element csta:Stop
source	<code><message name="stop"></code> <code><part name="parameter" element="csta:Stop"/></code> <code></message></code>

message **stopResponse**

parts	parameter
	element csta:StopResponse
source	<code><message name="stopResponse"></code> <code><part name="parameter" element="csta:StopResponse"/></code> <code></message></code>

message **suspend**

parts	parameter
	element csta:Suspend
source	<code><message name="suspend"></code> <code><part name="parameter" element="csta:Suspend"/></code> <code></message></code>

message **suspendResponse**

parts	parameter
	element csta:SuspendResponse
source	<code><message name="suspendResponse"></code> <code><part name="parameter" element="csta:SuspendResponse"/></code> <code></message></code>

message **synthesizeMessage**

parts	parameter
	element csta:SynthesizeMessage
source	<code><message name="synthesizeMessage"></code> <code><part name="parameter" element="csta:SynthesizeMessage"/></code> <code></message></code>

message **synthesizeMessageResponse**

parts	parameter
	element csta:SynthesizeMessageResponse
source	<code><message name="synthesizeMessageResponse"></code> <code><part name="parameter" element="csta:SynthesizeMessageResponse"/></code> <code></message></code>

message **bookmarkReachedEvent**

parts	parameter
	element csta:BookmarkReachedEvent
source	<code><message name="bookmarkReachedEvent"></code> <code><part name="parameter" element="csta:BookmarkReachedEvent"/></code> <code></message></code>

message **completedEvent**

parts	parameter
	element csta:CompletedEvent
source	<code><message name="completedEvent"></code> <code><part name="parameter" element="csta:CompletedEvent"/></code> <code></message></code>

message **dtmfDetectedEvent**

parts	parameter
	element csta:DtmfDetectedEvent
source	<code><message name="dtmfDetectedEvent"></code> <code><part name="parameter" element="csta:DtmfDetectedEvent"/></code> <code></message></code>

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	<code><message name="stopEvent"></code>
	<code><part name="parameter" element="csta:StopEvent"/></code>
	<code></message></code>

message **suspendPlayEvent**

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

message **suspendRecordEvent**

parts	parameter
	element csta:SuspendRecordEvent
source	<code><message name="suspendRecordEvent"></code>
	<code><part name="parameter" element="csta:SuspendRecordEvent"/></code>
	<code></message></code>

message **voiceAttributeChangedEvent**

parts	parameter
	element csta:VoiceAttributeChangedEvent
source	<code><message name="voiceAttributeChangedEvent"></code>
	<code><part name="parameter" element="csta:VoiceAttributeChangedEvent"/></code>
	<code></message></code>

message **voiceErrorOccurredEvent**

parts	parameter
	element csta:VoiceErrorOccurredEvent
source	<code><message name="voiceErrorOccurredEvent"></code>
	<code><part name="parameter" element="csta:VoiceErrorOccurredEvent"/></code>
	<code></message></code>

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](#)

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CSTA-Dtmf-Dectected-Eventinput [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>

```

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```

<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-Detected-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>

```

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```

<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>

```

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

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	<pre><operation name="CSTA-CDR-Notification"> <input message="tns:cDRNotification"/> <output message="tns:cDRNotificationResponse"/></pre>

```

        <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**

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

message **locationTrackingSessionSuspendedResponse**

parts	parameter
	element csta:LocationTrackingSessionSuspendedResponse
source	<code><message name="locationTrackingSessionSuspendedResponse"></code> <code><part name="parameter" element="csta:LocationTrackingSessionSuspendedResponse"/></code> <code></message></code>

message **resumeLocationTrackingSession**

parts	parameter
	element csta:ResumeLocationTrackingSession
source	<code><message name="resumeLocationTrackingSession"></code> <code><part name="parameter" element="csta:ResumeLocationTrackingSession"/></code> <code></message></code>

message **resumeLocationTrackingSessionResponse**

parts	parameter
	element csta:ResumeLocationTrackingSessionResponse
source	<code><message name="resumeLocationTrackingSessionResponse"></code> <code><part name="parameter" element="csta:ResumeLocationTrackingSessionResponse"/></code> <code></message></code>

message **locationInformationReport**

parts	parameter
	element csta:LocationInformationReport
source	<code><message name="locationInformationReport"></code> <code><part name="parameter" element="csta:LocationInformationReport"/></code> <code></message></code>

message **locationInformationReportResponse**

parts	parameter
	element csta:LocationInformationReportResponse
source	<message name="locationInformationReportResponse"> <part name="parameter" element="csta:LocationInformationReportResponse"/> </message>

message **startLocationTrackingSession**

parts	parameter
	element csta:StartLocationTrackingSession
source	<message name="startLocationTrackingSession"> <part name="parameter" element="csta:StartLocationTrackingSession"/> </message>

message **startLocationTrackingSessionResponse**

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

message **suspendLocationTrackingSessionResponse**

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

message **getLocationTrackingCapabilities**

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

message **getLocationTrackingCapabilitiesResponse**

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

message **getLocationTrackingSessions**

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

message **getLocationTrackingSessionsResponse**

parts	parameter
	element csta:getLocationTrackingSessionsResponse
source	<code><message name="getLocationTrackingSessionsResponse"></code>
	<code><part name="parameter" element="csta:getLocationTrackingSessionsResponse"/></code>
	<code></message></code>

message **locationSessionInfo**

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

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

source

```

input tns:locationSessionInfo
<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>

```

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

23.2 Operations

operations	<p>CSTA-EscapeRegister</p> <p>input tns:escapeRegister</p> <p>output tns:escapeRegisterResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Escape-Register-Abort</p> <p>input tns:escapeRegisterAbort</p> <p>CSTA-Escape-Register-Cancel</p> <p>input tns:escapeRegisterCancel</p> <p>output tns:escapeRegisterCancelResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Escape-as-input</p> <p>input tns:escape</p> <p>output tns:escapeResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Escape-as-output</p> <p>input tns:escape</p> <p>output tns:escapeResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Private-Data-Version-Selection</p> <p>input tns:privateDataVersionSelection</p> <p>output tns:privateDataVersionSelectionResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Private-Event</p> <p>input tns:privateEvent</p>
source	<pre> <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"/> </operation> </pre>

```

<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 ISO/IEC 18051 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	<p>CSTA-Connection-Cleared-event</p> <p>input tns:connectionClearedEvent</p> <p>CSTA-Delivered-event</p> <p>input tns:deliveredEvent</p> <p>CSTA-Established-event</p> <p>input tns:establishedEvent</p> <p>CSTA-Failed-event</p> <p>input tns:failedEvent</p> <p>CSTA-Network-Reached-event</p> <p>input tns:networkReachedEvent</p> <p>CSTA-Originated-event</p> <p>input tns:originatedEvent</p> <p>CSTA-Service-Initiated-event</p> <p>input tns:serviceInitiatedEvent</p>
source	<pre> <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> </pre>

25 Routing Profile - Port Type Pair

This Clause specifies the CSTA-Routing-Profile portType and CF-CSTA-Routing-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Routing profile as specified in ISO/IEC 18051 2.1.3.2.

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

porttype **CSTA-Routing-Profile**

```

operations    CSTA-Route-Select
              input tns:routeSelect
source        <portType name="CSTA-Routing-Profile">
              <operation name="CSTA-Route-Select">
                <input message="tns:routeSelect"/>
              </operation>
            </portType>
    
```

porttype **CF-CSTA-Routing-Profile**

```

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

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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 ISO/IEC 18051 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	<p>CSTA-Answer-Call</p> <p>input tns:answerCall</p> <p>output tns:answerCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Clear-Connection</p> <p>input tns:clearConnection</p> <p>output tns:clearConnectionResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Single-Step-Transfer-Call</p> <p>input tns:singleStepTransferCall</p> <p>output tns:singleStepTransferCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Monitor-Start</p> <p>input tns:monitorStart</p> <p>output tns:monitorStartResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Monitor-Stop-as-input</p> <p>input tns:monitorStop</p> <p>output tns:monitorStopResponse</p> <p>fault tns:negResponse</p>
source	<pre> <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"/> </operation> </pre>

```

        <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:transferredEvent

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:transferredEvent"/>
        </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 ISO/IEC 18051 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	<p>CSTA-Answer-Call</p> <p>input tns:answerCall</p> <p>output tns:answerCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Clear-Connection</p> <p>input tns:clearConnection</p> <p>output tns:clearConnectionResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Deflect-Call</p> <p>input tns:deflectCall</p> <p>output tns:deflectCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Monitor-Start</p> <p>input tns:monitorStart</p> <p>output tns:monitorStartResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Monitor-Stop-as-input</p> <p>input tns:monitorStop</p> <p>output tns:monitorStopResponse</p> <p>fault tns:negResponse</p>
source	<pre> <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"/> </operation> </pre>

```

        <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 ISO/IEC 18051 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	<p>CSTA-Answer-Call</p> <p>input tns:answerCall</p> <p>output tns:answerCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Clear-Connection</p> <p>input tns:clearConnection</p> <p>output tns:clearConnectionResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Make-Call</p> <p>input tns:makeCall</p> <p>output tns:makeCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Single-Step-Transfer-Call</p> <p>input tns:singleStepTransferCall</p> <p>output tns:singleStepTransferCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Monitor-Start</p> <p>input tns:monitorStart</p> <p>output tns:monitorStartResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Monitor-Stop-as-input</p> <p>input tns:monitorStop</p> <p>output tns:monitorStopResponse</p> <p>fault tns:negResponse</p>
source	<pre> <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> <operation name="CSTA-Clear-Connection"> <input message="tns:clearConnection"/> <output message="tns:clearConnectionResponse"/> </pre>

```

        <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	<p>CSTA-Connection-Cleared-event</p> <p>input tns:connectionClearedEvent</p>
	<p>CSTA-Delivered-event</p> <p>input tns:deliveredEvent</p>
	<p>CSTA-Established-event</p> <p>input tns:establishedEvent</p>
	<p>CSTA-Failed-event</p> <p>input tns:failedEvent</p>
	<p>CSTA-Network-Reached-event</p> <p>input tns:networkReachedEvent</p>
	<p>CSTA-Originated-event</p> <p>input tns:originatedEvent</p>
	<p>CSTA-Transferred-event</p> <p>input tns:transferredEvent</p>

```

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:transferredEvent"/>
  </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 ISO/IEC 18051 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>
```

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

operations	<p>CSTA-Connection-Cleared-event</p> <p>input tns:connectionClearedEvent</p> <p>CSTA-Delivered-event</p> <p>input tns:deliveredEvent</p> <p>CSTA-Established-event</p> <p>input tns:establishedEvent</p> <p>CSTA-Failed-event</p> <p>input tns:failedEvent</p> <p>CSTA-Network-Reached-event</p> <p>input tns:networkReachedEvent</p> <p>CSTA-Originated-event</p> <p>input tns:originatedEvent</p> <p>CSTA-Diverted-event</p> <p>input tns:divertedEvent</p>
source	<pre> <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> </pre>

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 ISO/IEC 18051 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	<p>CSTA-Answer-Call</p> <p>input tns:answerCall</p> <p>output tns:answerCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Clear-Connection</p> <p>input tns:clearConnection</p> <p>output tns:clearConnectionResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Deflect-Call</p> <p>input tns:deflectCall</p> <p>output tns:deflectCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Hold-Call</p> <p>input tns:holdCall</p> <p>output tns:holdCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Make-Call</p> <p>input tns:makeCall</p> <p>output tns:makeCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Retrieve-Call</p> <p>input tns:retrieveCall</p> <p>output tns:retrieveCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Single-Step-Transfer-Call</p> <p>input tns:singleStepTransferCall</p> <p>output tns:singleStepTransferCallResponse</p> <p>fault tns:negResponse</p>
------------	--

```

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 ISO/IEC 18051 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	<p>CSTA-Answer-Call</p> <p>input tns:answerCall</p> <p>output tns:answerCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Clear-Connection</p> <p>input tns:clearConnection</p> <p>output tns:clearConnectionResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Deflect-Call</p> <p>input tns:deflectCall</p> <p>output tns:deflectCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Hold-Call</p> <p>input tns:holdCall</p> <p>output tns:holdCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Make-Call</p> <p>input tns:makeCall</p> <p>output tns:makeCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Retrieve-Call</p> <p>input tns:retrieveCall</p> <p>output tns:retrieveCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Single-Step-Transfer-Call</p> <p>input tns:singleStepTransferCall</p> <p>output tns:singleStepTransferCallResponse</p> <p>fault tns:negResponse</p> <p>CSTA-Monitor-Start</p> <p>input tns:monitorStart</p> <p>output tns:monitorStartResponse</p> <p>fault tns:negResponse</p>
------------	---

CSTA-Monitor-Stop-as-inputinput [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>
<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:transferredEvent
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:transferredEvent"/>
  </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 ISO/IEC 18051 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