ECMA International

Standardizing Information and Communication Systems

Web Services Description Language (WSDL) for CSTA Phase III

Standard ECMA-348

June 2003

ECMA International

Standardizing Information and Communication Systems

Web Services Description Language (WSDL) for CSTA Phase III

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Brief History

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

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

This ECMA Standard has been adopted by the General Assembly of June 2003.

List of Corrected Errata for ECMA-348

Following is a summary of the errors detected and corrected in Standard ECMA-348, Web Services Description Language (WSDL) for CSTA Phase III.

18 September 2003

1. Annex A: Added soap:operation under the Operation element in the SOAP binding section. Removed redundant fault name in binding section.

WSDL Tools Acknowledgement

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

Table of contents

1 Scope

Web Services Description Language (WSDL) is an XML schema for describing Web services and how they can be accessed by Web based CSTA applications. Everything that an application needs to communicate with a Web service is described in a WSDL document.

This Standard specifies a WSDL for the XML messages defined in ECMA-323, XML Protocol for Computer Supported Telecommunications Applications (CSTA) Phase III. All CSTA features (e.g., services and events) specified in ECMA-269 and ECMA-323 are specified in this Standard.

CSTA WSDL facilitates the creation and deployment of web based CSTA applications. For example, by using CSTA WSDL with many industry Web services development environments, a web services developer can access CSTA features provided by a CSTA implementation without knowing details of the network or underlying transport protocols.

The WSDL specified in this Standard is defined with XML and XML Schema. One example transport illustrated in this Standard is SOAP over HTTP.

This Standard builds upon the XML data types and message formats specified in ECMA-323.

Although a 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 protocol specific definitions are implementation specific and are outside the scope of this Standard.

2 Conformance

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

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

3 References

3.1 ECMA References

ECMA-269 Services for Computer Supported Telecommunications Applications (CSTA) Phase III, 5th edition (December 2002)

ECMA-323 XML Protocol for Computer Supported Telecommunications Applications (CSTA) Phase III, 2nd edition (December 2002)

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

3.2 World Wide Web Consortium References

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

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

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

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

4 Definitions

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

5   Web Services Overview

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

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

- Encapsulated means the implementation of the function is never seen from the outside

- Loosely coupled means changing the implementation of one function does not require a change of the invoking function and

- Contracted means there are publicly available descriptions of the function's behaviour, how to bind to the function as well as its input and output parameters.

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

1. A standard way to represent data

2. A common, extensible message format

3. A common, extensible service description language

4. A common way to discover service providers

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

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

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

There are three components that are involved with Web services:

- Service Requester – provides the following major functions: 1) optionally queries a Service Broker for where to find a suitable Service Provider and 2) binds and interacts with a Service Provider.

- Service Provider – provides the following major functions: 1) publishes its services (e.g. WSDL document) and 2) interacts with a Service Requester.

- Service Broker – acts as a look up service between a Service Provider and a Service Requester. A Service Broker is an optional component of a Web service.

For the purposes of this Standard:

- A CSTA Service Requester is a Service Requester.

- A CSTA Service Provider is a Service Provider.

- A Service Broker is outside the scope of this Standard.

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

6.1   Namespaces

There are two CSTA specific namespaces used in this Standard:

- http://www.ecma.ch/standards/ecma-323/csta/ed2 - this namespace contains all of the CSTA XML messages specified in ECMA-323, 2nd edition. See 6.2   Data Types.

- http://www.ecma-international.org/standards/ecma-348/csta-wsdl - this namespace contains the CSTA WSDL schema definition specified in this Standard.

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 SOAP bindings for WSDL 1.1.

- http://www.w3.org/2001/XMLSchema - this contains the W3C XML Schema Definition.

6.2   Data Types

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

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

6.3   Messages

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

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

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

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

The above definition, along with all ECMA-323 message definitions, is imported by the CSTA WSDL schema and is available in the http://www.ecma.ch/standards/ecma-323/csta/ed2 namespace.

6.3.1 Message Names

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

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

6.3.2 Message Parts

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

6.3.3 Example

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

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

6.4 Operations

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

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

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

The following subsections describe the types of WSDL operations used in CSTA WSDL.

6.4.1 Request-response Operation Type

A request-response operation type is used when a service provider 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

6.4.2 One-way Operation Type

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

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

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

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

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

CSTA-Route-Select	
input	tns:routeSelect

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

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

6.4.3 Solicit-response Operation Type

A solicit-response operation type is used when a service provider sends a message and receives a corresponding response to the message.

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

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

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

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

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

6.4.4 Notification Operation Type

A notification operation type is used when a service provider sends a message and does not receive a response to the message.

This type of WSDL operation is defined using one output 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">
        <output message="tns:deliveredEvent"/>
</operation>
```

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

CSTA-Delivered-event
output   **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">
        <output message="tns:routeRequest"/>
</operation>
```

The following notation is another example of a WSDL notification operation type:

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

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

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

6.4.5 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 CSTA Service Requester

  o With positive ack. – uses WSDL Request-response operation type.

  o With no positive ack – uses WSDL One-way operation type.

- CSTA Event Reports sent by a CSTA Service Provider

  o Uses WSDL Notification operation type.

- CSTA Services initiated by a CSTA Service Provider

  o With positive ack. – Uses WSDL Solicit-response operation type.

  o With no positive ack – Uses WSDL Notification operation type.

WSDL 1.1 does not allow a fault element on One-way and Notification operation types.

6.5 Port Types

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

Each port type specified in this Standard (beginning in clause 23) corresponds to a profile specified in clause 2.1.3 of ECMA-269.

A Service Provider may support other operations in addition to the operations specified in the port types.

6.5.1 Example

An example port type with three CSTA WSDL operations follows:

```xml
<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>
```

The following notation is used to describe a portType:

porttype **samplePortType**

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

```xml
source   <portType name="samplePortType">

         <operation name="CSTA-Answer-Call">

          <input message="tns:answerCall"/>

          <output message="tns:answerCallResponse"/>

          <fault name="FaultName" message="tns:negResponse"/>

         </operation>

         <operation name="CSTA-Clear-Connection">

          <input message="tns:clearConnection"/>

          <output message="tns:clearConnectionResponse"/>

          <fault name="FaultName" message="tns:negResponse"/>
```

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

6.6   Bindings

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

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

NOTE
Although the base WSDL 1.1 specification supports all of the WSDL operation types defined in 6.3, WSDL 1.1 only defines bindings for Request-response and One-way operation types. Binding extensions are necessary to support the CSTA WSDL Solicit-response and Notification operation types defined in this Standard.

An example of a SOAP 1.1/HTTP binding is provided in annex A.

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 A.

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 A.

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 **getLogicalDeviceInformation**

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

message **getLogicalDeviceInformationResponse**

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

message **getPhysicalDeviceInformation**

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

message **getPhysicalDeviceInformationResponse**

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

message **getSwitchingFunctionCaps**

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

message **getSwitchingFunctionCapsResponse**

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

message **getSwitchingFunctionDevices**

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

message **getSwitchingFunctionDevicesResponse**

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

message **switchingFunctionDevices**

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

7.2 Operations

operations	CSTA-Get-Logical-Device-Information	
	input	**tns:getLogicalDeviceInformation**
	output	**tns:getLogicalDeviceInformationResponse**
	fault	**tns:negResponse**
	CSTA-Get-Physical-Device-Information	
	input	**tns:getPhysicalDeviceInformation**
	output	**tns:getPhysicalDeviceInformationResponse**
	fault	**tns:negResponse**
	CSTA-Get-Switching-Function-Capabilities	
	input	**tns:getSwitchingFunctionCaps**
	output	**tns:getSwitchingFunctionCapsResponse**
	fault	**tns:negResponse**
	CSTA-Get-Switching-Function-Devices	
	input	**tns:getSwitchingFunctionDevices**
	output	**tns:getSwitchingFunctionDevicesResponse**
	fault	**tns:negResponse**
	CSTA-Switching-Function-Devices	
	output	**tns:switchingFunctionDevices**

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

8 System Services – Messages and Operations

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

8.1 Messages

message **changeSystemStatFilter**

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

message **changeSysStatFilterResponse**

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

message **systemRegister**

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

message **systemRegisterResponse**

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

message **systemRegisterAbort**

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

message **systemRegisterCancel**

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

message **systemRegisterCancelResponse**

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

message **requestSystemStatus**

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

message **requestSystemStatusResponse**

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

message **systemStatus**

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

message **systemStatusResponse**

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

message **swFunctionCapsChanged**

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

message **swFunctionCapsChangedResponse**

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

message **swFunctionDevicesChanged**

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

message **swFunctionDevicesChangedResponse**

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

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

  output   **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

  output   **tns:requestSystemStatus**
  input   **tns:requestSystemStatusResponse**
  fault   **tns:negResponse**

CSTA-System-Status-as-input

  input   **tns:systemStatus**
  output   **tns:systemStatusResponse**
  fault   **tns:negResponse**

CSTA-System-Status-as-output

  output   **tns:systemStatus**
  input   **tns:systemStatusResponse**
  fault   **tns:negResponse**

CSTA-SF-Capabilities-Changed

  output   **tns:swFunctionCapsChanged**
  input   **tns:swFunctionCapsChangedResponse**
  fault   **tns:negResponse**

CSTA-SF-Devices-Changed

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

source

```xml
<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">
 <output 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">
 <output message="tns:requestSystemStatus"/>
 <input 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">
 <output message="tns:systemStatus"/>
 <input message="tns:systemStatusResponse"/>
 <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-SF-Capabilities-Changed">
 <output message="tns:swFunctionCapsChanged"/>
```

```
  <input message="tns:swFunctionCapsChangedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-SF-Devices-Changed">
 <output message="tns:swFunctionDevicesChanged"/>
 <input message="tns:swFunctionDevicesChangedResponse"/>
 <fault name="FaultName" message="tns:negResponse"/>
</operation>
```

9 Monitoring Services – Messages and Operations

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

9.1 Messages

message **changeMonitorFilter**

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

message **changeMonitorFilterResponse**

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

message **monitorStart**

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

message **monitorStartResponse**

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

message **monitorStop**

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

message **monitorStopResponse**

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

9.2 Operations

operations

CSTA-Change-Monitor-Filter

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

CSTA-Monitor-Start

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

CSTA-Monitor-Stop-as-input

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

CSTA-Monitor-Stop-as-output

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

source

```xml
<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">
 <output message="tns:monitorStop"/>
 <input message="tns:monitorStopResponse"/>
 <fault name="FaultName" message="tns:negResponse"/>
</operation>
```

10   Snapshot Services – Messages and Operations

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

10.1   Messages

message **snapshotCall**

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

message **snapshotCallResponse**

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

message **snapshotDevice**

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

message **snapshotDeviceResponse**

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

message **snapshotCallData**

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

message **snapshotDeviceData**

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

10.2   Operations

<div style="border:1px solid">

operations

CSTA-Snapshot-Call

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

CSTA-Snapshot-Device

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

CSTA-Snapshot-Call-Data

output	**tns:snapshotCallData**

CSTA-Snapshot-Device-Data

output	**tns:snapshotDeviceData**

source

```xml
<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">
 <output message="tns:snapshotCallData"/>
</operation>
<operation name="CSTA-Snapshot-Device-Data">
 <output message="tns:snapshotDeviceData"/>
</operation>
```

</div>

11 Call Control Features – Messages and Operations

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

11.1 Messages

message **acceptCall**

parts	**parameter**	
	element	**csta:AcceptCall**
source	<message name="acceptCall">	
	<part name="parameter" element="csta:AcceptCall"/>	
	</message>	

message **acceptCallResponse**

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

message **alternateCall**

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

message **alternateCallResponse**

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

message **answerCall**

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

message **answerCallResponse**

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

message **callBack**

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

message **callBackResponse**

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

message **callBackMessage**

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

message **callBackMessageResponse**

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

message **camponCall**

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

message **camponCallResponse**

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

message **clearCall**

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

message **clearCallResponse**

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

message **clearConnection**

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

message **clearConnectionResponse**

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

message **conferenceCall**

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

message **conferenceCallResponse**

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

message **consultationCall**

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

message **consultationCallResponse**

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

message **deflectCall**

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

message **deflectCallResponse**

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

message **dialDigits**

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

message **dialDigitsResponse**

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

message **directedPickupCall**

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

message **directedPickupCallResponse**

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

message **groupPickupCall**

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

message **groupPickupCallResponse**

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

message **holdCall**

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

message **holdCallResponse**

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

message **intrudeCall**

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

message **intrudeCallResponse**

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

message **joinCall**

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

message **joinCallResponse**

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

message **makeCall**

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

message **makeCallResponse**

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

message **makePredictiveCall**

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

message **makePredictiveCallResponse**

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

message **parkCall**

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

message **parkCallResponse**

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

message **reconnectCall**

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

message **reconnectCallResponse**

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

message **retrieveCall**

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

message **retrieveCallResponse**

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

message **sendMessage**

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

message **sendMessageResponse**

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

message **singleStepConferenceCall**

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

message **singleStepConferenceCallResponse**

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

message **singleStepTransferCall**

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

message **singleStepTransferCallResponse**

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

message **transferCall**

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

message **transferCallResponse**

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

message **bridgedEvent**

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

message **callClearedEvent**

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

message **conferencedEvent**

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

message **connectionClearedEvent**

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

message **deliveredEvent**

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

message **digitsDialedEvent**

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

message **divertedEvent**

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

message **establishedEvent**

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

message **failedEvent**

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

message **heldEvent**

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

message **networkCapabilitiesChangedEvent**

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

message **networkReachedEvent**

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

message **offeredEvent**

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

message **originatedEvent**

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

message **queuedEvent**

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

message **retrievedEvent**

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

message **serviceInitiatedEvent**

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

message **transferedEvent**

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

11.2   Operations

operations   **CSTA-Accept-Call**

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

CSTA-Alternate-Call

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

CSTA-Answer-Call

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

CSTA-Call-Back-Call-Related

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

CSTA-Call-Back-Message-Call-Related

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

CSTA-Camp-On-Call

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

CSTA-Clear-Call

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

CSTA-Clear-Connection

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

CSTA-Conference-Call

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

CSTA-Consultation-Call

    input   **tns:consultationCall**

    output   **tns:consultationCallResponse**

    fault   **tns:negResponse**

CSTA-Deflect-Call

    input   **tns:deflectCall**

    output   **tns:deflectCallResponse**

    fault   **tns:negResponse**

CSTA-Dial-Digits-Call

    input   **tns:dialDigits**

    output   **tns:dialDigitsResponse**

    fault   **tns:negResponse**

CSTA-Directed-Pickup-Call

    input   **tns:directedPickupCall**

    output   **tns:directedPickupCallResponse**

    fault   **tns:negResponse**

CSTA-Group-Pickup-Call

    input   **tns:groupPickupCall**

    output   **tns:groupPickupCallResponse**

    fault   **tns:negResponse**

CSTA-Hold-Call

    input   **tns:holdCall**

    output   **tns:holdCallResponse**

    fault   **tns:negResponse**

CSTA-Intrude-Call

    input   **tns:intrudeCall**

    output   **tns:intrudeCallResponse**

    fault   **tns:negResponse**

CSTA-Join-Call

    input   **tns:joinCall**

    output   **tns:joinCallResponse**

    fault   **tns:negResponse**

CSTA-Make-Call

    input   **tns:makeCall**

    output   **tns:makeCallResponse**

    fault   **tns:negResponse**

CSTA-Make-Predictive-Call

input **tns:makePredictiveCall**

output **tns:makePredictiveCallResponse**

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

output **tns:bridgedEvent**

CSTA-Call-Cleared-event

output **tns:callClearedEvent**

CSTA-Conferenced-event

　　output　**tns:conferencedEvent**

CSTA-Connection-Cleared-event

　　output　**tns:connectionClearedEvent**

CSTA-Delivered-event

　　output　**tns:deliveredEvent**

CSTA-Digits-Dialed-event

　　output　**tns:digitsDialedEvent**

CSTA-Diverted-event

　　output　**tns:divertedEvent**

CSTA-Established-event

　　output　**tns:establishedEvent**

CSTA-Failed-event

　　output　**tns:failedEvent**

CSTA-Held-event

　　output　**tns:heldEvent**

CSTA-Network-Capabilities-Changed-event

　　output　**tns:networkCapabilitiesChangedEvent**

CSTA-Network-Reached-event

　　output　**tns:networkReachedEvent**

CSTA-Offered-event

　　output　**tns:offeredEvent**

CSTA-Originated-event

　　output　**tns:originatedEvent**

CSTA-Queued-event

　　output　**tns:queuedEvent**

CSTA-Retrieved-event

　　output　**tns:retrievedEvent**

CSTA-Service-Initiated-event

　　output　**tns:serviceInitiatedEvent**

CSTA-Transferred-event

    output   **<u>tns:transferedEvent</u>**

source

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

```xml
  <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>
```

```xml
<operation name="CSTA-Make-Call">
 <input message="tns:makeCall"/>
 <output message="tns:makeCallResponse"/>
 <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">
   <output message="tns:bridgedEvent"/>
  </operation>
  <operation name="CSTA-Call-Cleared-event">
   <output message="tns:callClearedEvent"/>
  </operation>
  <operation name="CSTA-Conferenced-event">
   <output message="tns:conferencedEvent"/>
  </operation>
  <operation name="CSTA-Connection-Cleared-event">
   <output message="tns:connectionClearedEvent"/>
  </operation>
  <operation name="CSTA-Delivered-event">
   <output message="tns:deliveredEvent"/>
  </operation>
  <operation name="CSTA-Digits-Dialed-event">
   <output message="tns:digitsDialedEvent"/>
  </operation>
  <operation name="CSTA-Diverted-event">
   <output message="tns:divertedEvent"/>
  </operation>
  <operation name="CSTA-Established-event">
   <output message="tns:establishedEvent"/>
  </operation>
  <operation name="CSTA-Failed-event">
   <output message="tns:failedEvent"/>
  </operation>
  <operation name="CSTA-Held-event">
   <output message="tns:heldEvent"/>
  </operation>
  <operation name="CSTA-Network-Capabilities-Changed-event">
   <output message="tns:networkCapabilitiesChangedEvent"/>
  </operation>
  <operation name="CSTA-Network-Reached-event">
   <output message="tns:networkReachedEvent"/>
  </operation>
  <operation name="CSTA-Offered-event">
   <output message="tns:offeredEvent"/>
  </operation>
  <operation name="CSTA-Originated-event">
   <output message="tns:originatedEvent"/>
  </operation>
  <operation name="CSTA-Queued-event">
```

```xml
  <output message="tns:queuedEvent"/>
 </operation>
 <operation name="CSTA-Retrieved-event">
  <output message="tns:retrievedEvent"/>
 </operation>
 <operation name="CSTA-Service-Initiated-event">
  <output message="tns:serviceInitiatedEvent"/>
 </operation>
 <operation name="CSTA-Transferred-event">
  <output message="tns:transferedEvent"/>
 </operation>
```

12 Call Associated Features - Messages and Operations

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

12.1 Messages

message **associateData**

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

message **associateDataResponse**

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

message **cancelTelephonyTones**

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

message **cancelTelephonyTonesResponse**

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

message **changeConnectionInformation**

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

message **changeConnectionInformationResponse**

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

message **generateDigits**

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

message **generateDigitsResponse**

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

message **generateTelephonyTones**

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

message **generateTelephonyTonesResponse**

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

message **sendUserInformation**

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

message **sendUserInformationResponse**

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

message **callInformationEvent**

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

message **chargingEvent**

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

message **digitsGeneratedEvent**

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

message **telephonyTonesGeneratedEvent**

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

message **serviceCompletionFailureEvent**

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

12.2   Operations

```
operations     CSTA-Associate-Data

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


               CSTA-Cancel-Telephony-Tones

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


               CSTA-Change-Connection-Information

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


               CSTA-Generate-Digits

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


               CSTA-Generate-Telephony-Tones

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


               CSTA-Send-User-Information

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


               CSTA-Call-Information-event

                 output     tns:callInformationEvent


               CSTA-Charging-event

                 output     tns:chargingEvent


               CSTA-Digits-Generated-event

                 output     tns:digitsGeneratedEvent


               CSTA-Telephony-Tones-Generated-event

                 output     tns:telephonyTonesGeneratedEvent


               CSTA-Service-Completion-Failure-event

                 output     tns:serviceCompletionFailureEvent
```

source

```xml
<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">
 <output message="tns:callInformationEvent"/>
</operation>
<operation name="CSTA-Charging-event">
 <output message="tns:chargingEvent"/>
</operation>
<operation name="CSTA-Digits-Generated-event">
 <output message="tns:digitsGeneratedEvent"/>
</operation>
<operation name="CSTA-Telephony-Tones-Generated-event">
 <output message="tns:telephonyTonesGeneratedEvent"/>
</operation>
<operation name="CSTA-Service-Completion-Failure-event">
 <output 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

<table>
<tr><td>operations</td><td colspan="3">

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

output	**tns:mediaAttachedEvent**

CSTA-Media-Detached-Event

output	**tns:mediaDetachedEvent**

</td></tr>
<tr><td>source</td><td colspan="3">

```xml
<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">
 <output message="tns:mediaAttachedEvent"/>
</operation>
<operation name="CSTA-Media-Detached-Event">
 <output message="tns:mediaDetachedEvent"/>
</operation>
```

</td></tr>
</table>

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**

	parameter	
parts		
	element	**csta:RouteRegisterCancelResponse**
source	<message name="routeRegisterCancelResponse">	
	<part name="parameter" element="csta:RouteRegisterCancelResponse"/>	
	</message>	

message **reRoute**

	parameter	
parts		
	element	**csta:ReRoute**
source	<message name="reRoute">	
	<part name="parameter" element="csta:ReRoute"/>	
	</message>	

message **routeEnd**

	parameter	
parts		
	element	**csta:RouteEnd**
source	<message name="routeEnd">	
	<part name="parameter" element="csta:RouteEnd"/>	
	</message>	

message **routeReject**

	parameter	
parts		
	element	**csta:RouteReject**
source	<message name="routeReject">	
	<part name="parameter" element="csta:RouteReject"/>	
	</message>	

message **routeRequest**

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

message **routeSelect**

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

message **routeUsed**

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

14.2 Operations

<table>
<tr><td>operations</td><td colspan="3">

CSTA-Route-Register

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

CSTA-Route-Register-Abort

| output | **tns:routeRegisterAbort** |

CSTA-Route-Register-Cancel

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

CSTA-Re-Route

| output | **tns:reRoute** |

CSTA-Route-End-as-input

| input | **tns:routeEnd** |

CSTA-Route-End-as-output

| output | **tns:routeEnd** |

CSTA-Route-Reject

| input | **tns:routeReject** |

CSTA-Route-Request

| output | **tns:routeRequest** |

CSTA-Route-Select

| input | **tns:routeSelect** |

CSTA-Route-Used

| output | **tns:routeUsed** |

</td></tr>
<tr><td>source</td><td colspan="3">

```xml
<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">
 <output message="tns:routeRegisterAbort"/>
</operation>
<operation name="CSTA-Route-Register-Cancel">
 <input message="tns:routeRegisterCancel"/>
```

</td></tr>
</table>

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

15 Physical Device Features - Messages and Operations

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

15.1 Messages

message **buttonPress**

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

message **buttonPressResponse**

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

message **getAuditoryApparatusInformation**

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

message **getAuditoryApparatusInformationResponse**

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

message **getButtonInformation**

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

message **getButtonInformationResponse**

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

message **getDisplay**

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

message **getDisplayResponse**

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

message **getHookswitchStatus**

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

message **getHookswitchStatusResponse**

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

message **getLampInformation**

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

message **getLampInformationResponse**

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

message **getLampMode**

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

message **getLampModeResponse**

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

message **getMessageWaitingIndicator**

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

message **getMessageWaitingIndicatorResponse**

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

message **getMicrophoneGain**

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

message **getMicrophoneGainResponse**

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

message **getMicrophoneMute**

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

message **getMicrophoneMuteResponse**

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

message **getRingerStatus**

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

message **getRingerStatusResponse**

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

message **getSpeakerMute**

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

message **getSpeakerMuteResponse**

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

message **getSpeakerVolume**

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

message **getSpeakerVolumeResponse**

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

message **setButtonInformation**

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

message **setButtonInformationResponse**

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

message **setDisplay**

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

message **setDisplayResponse**

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

message **setHookswitchStatus**

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

message **setHookswitchStatusResponse**

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

message **setLampMode**

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

message **setLampModeResponse**

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

message **setMessageWaitingIndicator**

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

message **setMessageWaitingIndicatorResponse**

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

message **setMicrophoneGain**

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

message **setMicrophoneGainResponse**

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

message **setMicrophoneMute**

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

message **setMicrophoneMuteResponse**

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

message **setRingerStatus**

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

message **setRingerStatusResponse**

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

message **setSpeakerMute**

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

message **setSpeakerMuteResponse**

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

message **setSpeakerVolume**

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

message **setSpeakerVolumeResponse**

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

message **buttonInformationEvent**

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

message **buttonPressEvent**

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

message **displayUpdatedEvent**

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

message **hookswitchEvent**

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

message **lampModeEvent**

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

message **messageWaitingEvent**

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

message **microphoneGainEvent**

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

message **microphoneMuteEvent**

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

message **ringerStatusEvent**

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

message **speakerMuteEvent**

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

message **speakerVolumeEvent**

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

15.2   Operations

CSTA-Button-Press

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

CSTA-Get-Auditory-Apparatus-Information

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

CSTA-Get-Button-Information

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

CSTA-Get-Display

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

CSTA-Get-Hookswitch-Status

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

CSTA-Get-Lamp-Information

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

CSTA-Get-Lamp-Mode

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

CSTA-Get-Message-Waiting-Indicator

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

CSTA-Get-Microphone-Gain

input	**tns:getMicrophoneGain**
output	**tns:getMicrophoneGainResponse**
fault	**tns:negResponse**

CSTA-Get-Microphone-Mute

    input   **tns:getMicrophoneMute**

    output   **tns:getMicrophoneMuteResponse**

    fault   **tns:negResponse**

CSTA-Get-Ringer-Status

    input   **tns:getRingerStatus**

    output   **tns:getRingerStatusResponse**

    fault   **tns:negResponse**

CSTA-Get-Speaker-Mute

    input   **tns:getSpeakerMute**

    output   **tns:getSpeakerMuteResponse**

    fault   **tns:negResponse**

CSTA-Get-Speaker-Volume

    input   **tns:getSpeakerVolume**

    output   **tns:getSpeakerVolumeResponse**

    fault   **tns:negResponse**

CSTA-Set-Button-Information

    input   **tns:setButtonInformation**

    output   **tns:setButtonInformationResponse**

    fault   **tns:negResponse**

CSTA-Set-Display

    input   **tns:setDisplay**

    output   **tns:setDisplayResponse**

    fault   **tns:negResponse**

CSTA-Set-Hookswitch-Status

    input   **tns:setHookswitchStatus**

    output   **tns:setHookswitchStatusResponse**

    fault   **tns:negResponse**

CSTA-Set-Lamp-Mode

    input   **tns:setLampMode**

    output   **tns:setLampModeResponse**

    fault   **tns:negResponse**

CSTA-Set-Message-Waiting-Indicator

    input   **tns:setMessageWaitingIndicator**

    output   **tns:setMessageWaitingIndicatorResponse**

    fault   **tns:negResponse**

CSTA-Set-Microphone-Gain

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

CSTA-Set-Microphone-Mute

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

CSTA-Set-Ringer-Status

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

CSTA-Set-Speaker-Mute

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

CSTA-Set-Speaker-Volume

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

CSTA-Button-Information-Event

  output **tns:buttonInformationEvent**

CSTA-Button-Press-Event

  output **tns:buttonPressEvent**

CSTA-Display-Updated-Event

  output **tns:displayUpdatedEvent**

CSTA-Hookswitch-Event

  output **tns:hookswitchEvent**

CSTA-Lamp-Mode-Event

  output **tns:lampModeEvent**

CSTA-Message-Waiting-Event

  output **tns:messageWaitingEvent**

CSTA-Microphone-Gain-Event

  output **tns:microphoneGainEvent**

CSTA-Microphone-Mute-Event

    output   **tns:microphoneMuteEvent**

CSTA-Ringer-Status-Event

    output   **tns:ringerStatusEvent**

CSTA-Speaker-Mute-Event

    output   **tns:speakerMuteEvent**

CSTA-Speaker-Volume-Event

    output   **tns:speakerVolumeEvent**

source

```xml
<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"/>
```

```xml
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Get-Message-Waiting-Indicator">
      <input message="tns:getMessageWaitingIndicator"/>
      <output message="tns:getMessageWaitingIndicatorResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Get-Microphone-Gain">
      <input message="tns:getMicrophoneGain"/>
      <output message="tns:getMicrophoneGainResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Get-Microphone-Mute">
      <input message="tns:getMicrophoneMute"/>
      <output message="tns:getMicrophoneMuteResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Get-Ringer-Status">
      <input message="tns:getRingerStatus"/>
      <output message="tns:getRingerStatusResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Get-Speaker-Mute">
      <input message="tns:getSpeakerMute"/>
      <output message="tns:getSpeakerMuteResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Get-Speaker-Volume">
      <input message="tns:getSpeakerVolume"/>
      <output message="tns:getSpeakerVolumeResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Set-Button-Information">
      <input message="tns:setButtonInformation"/>
      <output message="tns:setButtonInformationResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Set-Display">
      <input message="tns:setDisplay"/>
      <output message="tns:setDisplayResponse"/>
      <fault name="FaultName" message="tns:negResponse"/>
    </operation>
    <operation name="CSTA-Set-Hookswitch-Status">
      <input message="tns:setHookswitchStatus"/>
```

```
  <output message="tns:setHookswitchStatusResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Lamp-Mode">
  <input message="tns:setLampMode"/>
  <output message="tns:setLampModeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Message-Waiting-Indicator">
  <input message="tns:setMessageWaitingIndicator"/>
  <output message="tns:setMessageWaitingIndicatorResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Microphone-Gain">
  <input message="tns:setMicrophoneGain"/>
  <output message="tns:setMicrophoneGainResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Microphone-Mute">
  <input message="tns:setMicrophoneMute"/>
  <output message="tns:setMicrophoneMuteResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Ringer-Status">
  <input message="tns:setRingerStatus"/>
  <output message="tns:setRingerStatusResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Speaker-Mute">
  <input message="tns:setSpeakerMute"/>
  <output message="tns:setSpeakerMuteResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Speaker-Volume">
  <input message="tns:setSpeakerVolume"/>
  <output message="tns:setSpeakerVolumeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Button-Information-Event">
  <output message="tns:buttonInformationEvent"/>
</operation>
<operation name="CSTA-Button-Press-Event">
  <output message="tns:buttonPressEvent"/>
</operation>
```

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

16 Logical Device Features - Messages and Operations

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

16.1 Messages

message **callBackMessageNonCallRelated**

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

message **callBackMessageNonCallRelatedResponse**

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

message **callBackNonCallRelated**

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

message **callBackNonCallRelatedResponse**

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

message **cancelCallBack**

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

message **cancelCallBackResponse**

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

message **cancelCallBackMessage**

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

message **cancelCallBackMessageResponse**

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

message **getAgentState**

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

message **getAgentStateResponse**

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

message **getAutoAnswer**

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

message **getAutoAnswerResponse**

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

message **getAutoWorkMode**

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

message **getAutoWorkModeResponse**

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

message **getCallerIDStatus**

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

message **getCallerIDStatusResponse**

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

message **getDoNotDisturb**

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

message **getDoNotDisturbResponse**

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

message **getForwarding**

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

message **getForwardingResponse**

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

message **getLastNumberDialed**

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

message **getLastNumberDialedResponse**

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

message **getRouteingMode**

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

message **getRouteingModeResponse**

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

message **setAgentState**

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

message **setAgentStateResponse**

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

message **setAutoAnswer**

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

message **setAutoAnswerResponse**

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

message **setAutoWorkMode**

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

message **setAutoWorkModeResponse**

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

message **setCallerIDStatus**

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

message **setCallerIDStatusResponse**

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

message **setDoNotDisturb**

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

message **setDoNotDisturbResponse**

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

message **setForwarding**

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

message **setForwardingResponse**

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

message **setRouteingMode**

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

message **setRouteingModeResponse**

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

message **agentBusyEvent**

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

message **agentLoggedOffEvent**

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

message **agentLoggedOnEvent**

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

message **agentNotReadyEvent**

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

message **agentReadyEvent**

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

message **agentWorkingAfterCallEvent**

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

message **autoAnswerEvent**

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

message **autoWorkModeEvent**

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

message **callBackEvent**

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

message **callBackMessageEvent**

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

message **callerIDStatusEvent**

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

message **doNotDisturbEvent**

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

message **forwardingEvent**

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

message **routeingEvent**

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

16.2   Operations

<table>
<tr><td>operations</td><td colspan="2">CSTA-Call-Back-Message-Non-Call-Related</td></tr>
<tr><td></td><td>input</td><td>tns:callBackMessageNonCallRelated</td></tr>
<tr><td></td><td>output</td><td>tns:callBackMessageNonCallRelatedResponse</td></tr>
<tr><td></td><td>fault</td><td>tns:negResponse</td></tr>
</table>

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-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

    output   **tns:agentBusyEvent**

CSTA-Agent-Logged-Off-Event

    output   **tns:agentLoggedOffEvent**

CSTA-Agent-Logged-On-Event

    output   **tns:agentLoggedOnEvent**

CSTA-Agent-Not-Ready-Event

    output   **tns:agentNotReadyEvent**

CSTA-Agent-Ready-Event

    output   **tns:agentReadyEvent**

CSTA-Agent-Working-After-Call-Event

    output   **tns:agentWorkingAfterCallEvent**

CSTA-Auto-Answer-Event

    output   **tns:autoAnswerEvent**

CSTA-Auto-Work-Mode-Event

    output   **tns:autoWorkModeEvent**

CSTA-Call-Back-Event

    output   **tns:callBackEvent**

CSTA-Call-Back-Message-Event

    output   **tns:callBackMessageEvent**

CSTA-Caller-ID-Status-Event

    output   **tns:callerIDStatusEvent**

CSTA-Do-Not-Disturb-Event

    output   **tns:doNotDisturbEvent**

CSTA-Forwarding-Event

    output   **tns:forwardingEvent**

CSTA-Routeing-Event

source

    output   **tns:routeingEvent**

```
<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-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">
  <output message="tns:agentBusyEvent"/>
</operation>
<operation name="CSTA-Agent-Logged-Off-Event">
  <output message="tns:agentLoggedOffEvent"/>
</operation>
<operation name="CSTA-Agent-Logged-On-Event">
  <output message="tns:agentLoggedOnEvent"/>
</operation>
<operation name="CSTA-Agent-Not-Ready-Event">
  <output message="tns:agentNotReadyEvent"/>
</operation>
<operation name="CSTA-Agent-Ready-Event">
  <output message="tns:agentReadyEvent"/>
</operation>
<operation name="CSTA-Agent-Working-After-Call-Event">
  <output message="tns:agentWorkingAfterCallEvent"/>
</operation>
<operation name="CSTA-Auto-Answer-Event">
  <output message="tns:autoAnswerEvent"/>
</operation>
<operation name="CSTA-Auto-Work-Mode-Event">
  <output message="tns:autoWorkModeEvent"/>
</operation>
<operation name="CSTA-Call-Back-Event">
  <output message="tns:callBackEvent"/>
</operation>
<operation name="CSTA-Call-Back-Message-Event">
  <output message="tns:callBackMessageEvent"/>
</operation>
<operation name="CSTA-Caller-ID-Status-Event">
  <output message="tns:callerIDStatusEvent"/>
</operation>
<operation name="CSTA-Do-Not-Disturb-Event">
  <output message="tns:doNotDisturbEvent"/>
```

```
</operation>
<operation name="CSTA-Forwarding-Event">
 <output message="tns:forwardingEvent"/>
</operation>
<operation name="CSTA-Routeing-Event">
 <output message="tns:routeingEvent"/>
</operation>
```

17 Device Maintenance Events - Messages and Operations

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

17.1 Messages

message **backInServiceEvent**

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

message **deviceCapsChangedEvent**

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

message **outOfServiceEvent**

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

17.2   Operations

<div style="border:1px solid black; padding:10px;">

operations   **CSTA-Back-In-Service-Event**

       output   **tns:backInServiceEvent**

       CSTA-Device-Capabilities-Changed-Event

       output   **tns:deviceCapsChangedEvent**

       CSTA-Out-Of-Service-Event

       output   **tns:outOfServiceEvent**

source

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

</div>

18   I/O Services Features - Messages and Operations

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

18.1   Messages

message **iORegister**

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

message **iORegisterResponse**

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

message **iORegisterAbort**

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

message **iORegisterCancel**

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

message **iORegisterCancelResponse**

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

message **dataPathResumed**

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

message **dataPathResumedResponse**

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

message **dataPathSuspended**

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

message **dataPathSuspendedResponse**

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

message **fastData**

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

message **fastDataResponse**

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

message **resumeDataPath**

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

message **resumeDataPathResponse**

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

message **sendBroadcastData**

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

message **sendBroadcastDataResponse**

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

message **sendData**

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

message **sendDataResponse**

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

message **sendMulticastData**

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

message **sendMulticastDataResponse**

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

message **startDataPath**

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

message **startDataPathResponse**

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

message **stopDataPath**

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

message **stopDataPathResponse**

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

message **suspendDataPath**

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

message **suspendDataPathResponse**

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

18.2   Operations

operations   **CSTA-IO-Register**

      input   **tns:iORegister**
      output   **tns:iORegisterResponse**
      fault   **tns:negResponse**

CSTA-IO-Register-Abort

      output   **tns:iORegisterAbort**

CSTA-IO-Register-Cancel

      input   **tns:iORegisterCancel**
      output   **tns:iORegisterCancelResponse**
      fault   **tns:negResponse**

CSTA-Data-Path-Resumed

      output   **tns:dataPathResumed**
      input   **tns:dataPathResumedResponse**
      fault   **tns:negResponse**

CSTA-Data-Path-Suspended

      output   **tns:dataPathSuspended**
      input   **tns:dataPathSuspendedResponse**
      fault   **tns:negResponse**

CSTA-Fast-Data-as-input

      input   **tns:fastData**
      output   **tns:fastDataResponse**
      fault   **tns:negResponse**

CSTA-Fast-Data-as-output

      output   **tns:fastData**
      input   **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

    output   **tns:sendData**

    input   **tns:sendDataResponse**

    fault   **tns:negResponse**

CSTA-Send-Multicast-Data

    input   **tns:sendMulticastData**

    output   **tns:sendMulticastDataResponse**

    fault   **tns:negResponse**

CSTA-Start-Data-Path-as-input

    input   **tns:startDataPath**

    output   **tns:startDataPathResponse**

    fault   **tns:negResponse**

CSTA-Start-Data-Path-as-output

    output   **tns:startDataPath**

    input   **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

    output   **tns:stopDataPath**

    input   **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

    output   **tns:suspendDataPath**

    input   **tns:suspendDataPathResponse**

    fault   **tns:negResponse**

source

```xml
<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">
 <output 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">
 <output message="tns:dataPathResumed"/>
 <input message="tns:dataPathResumedResponse"/>
 <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Data-Path-Suspended">
 <output message="tns:dataPathSuspended"/>
 <input 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">
 <output message="tns:fastData"/>
 <input 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>
```

```xml
<operation name="CSTA-Send-Data-as-output">
 <output message="tns:sendData"/>
 <input 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">
 <output message="tns:startDataPath"/>
 <input 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">
 <output message="tns:stopDataPath"/>
 <input 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">
 <output message="tns:suspendDataPath"/>
 <input 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	`<message name="dataCollectionResumed">`	
	`<part name="parameter" element="csta:DataCollectionResumed"/>`	
	`</message>`	

message **dataCollectionResumedResponse**

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

message **dataCollectionSuspended**

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

message **dataCollectionSuspendedResponse**

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

message **resumeDataCollection**

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

message **resumeDataCollectionResponse**

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

message **startDataCollection**

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

message **startDataCollectionResponse**

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

message **stopDataCollection**

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

message **stopDataCollectionResponse**

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

message **suspendDataCollection**

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

message **suspendDataCollectionResponse**

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

19.2   Operations

operations

CSTA-Data-Collected

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

CSTA-Data-Collection-Resumed

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

CSTA-Data-Collection-Suspended

output	**tns:dataCollectionSuspended**
input	**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

output	**tns:stopDataCollection**
input	**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

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

source

```
<operation name="CSTA-Data-Collected">
  <output message="tns:dataCollected"/>
```

```
  <input message="tns:dataCollectedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Data-Collection-Resumed">
  <output message="tns:dataCollectionResumed"/>
  <input message="tns:dataCollectionResumedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Data-Collection-Suspended">
  <output message="tns:dataCollectionSuspended"/>
  <input 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">
  <output message="tns:stopDataCollection"/>
  <input 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">
  <output message="tns:suspendDataCollection"/>
  <input message="tns:suspendDataCollectionResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
```

20 Voice Unit Features - Messages and Operations

This clause specifies the WSDL messages and operations for the Voice Unit features.

20.1 Messages

message **concatenateMessage**

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

message **concatenateMessageResponse**

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

message **deleteMessage**

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

message **deleteMessageResponse**

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

message **playMessage**

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

message **playMessageResponse**

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

message **queryVoiceAttribute**

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

message **queryVoiceAttributeResponse**

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

message **recordMessage**

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

message **recordMessageResponse**

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

message **reposition**

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

message **repositionResponse**

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

message **resume**

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

message **resumeResponse**

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

message **review**

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

message **reviewResponse**

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

message **setVoiceAttribute**

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

message **setVoiceAttributeResponse**

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

message **stop**

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

message **stopResponse**

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

message **suspend**

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

message **suspendResponse**

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

message **synthesizeMessage**

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

message **synthesizeMessageResponse**

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

message **playEvent**

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

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

message **suspendPlayEvent**

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

message **suspendRecordEvent**

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

message **voiceAttributeChangedEvent**

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

20.2   Operations

<table>
<tr><td>operations</td><td colspan="2">CSTA-Concatenate-Message</td></tr>
<tr><td></td><td>input</td><td>tns:concatenateMessage</td></tr>
<tr><td></td><td>output</td><td>tns:concatenateMessageResponse</td></tr>
<tr><td></td><td>fault</td><td>tns:negResponse</td></tr>
<tr><td></td><td colspan="2">CSTA-Delete-Message</td></tr>
<tr><td></td><td>input</td><td>tns:deleteMessage</td></tr>
<tr><td></td><td>output</td><td>tns:deleteMessageResponse</td></tr>
<tr><td></td><td>fault</td><td>tns:negResponse</td></tr>
<tr><td></td><td colspan="2">CSTA-Play-Message</td></tr>
<tr><td></td><td>input</td><td>tns:playMessage</td></tr>
<tr><td></td><td>output</td><td>tns:playMessageResponse</td></tr>
<tr><td></td><td>fault</td><td>tns:negResponse</td></tr>
<tr><td></td><td colspan="2">CSTA-Query-Voice-Attribute</td></tr>
<tr><td></td><td>input</td><td>tns:queryVoiceAttribute</td></tr>
<tr><td></td><td>output</td><td>tns:queryVoiceAttributeResponse</td></tr>
<tr><td></td><td>fault</td><td>tns:negResponse</td></tr>
<tr><td></td><td colspan="2">CSTA-Record-Message</td></tr>
<tr><td></td><td>input</td><td>tns:recordMessage</td></tr>
<tr><td></td><td>output</td><td>tns:recordMessageResponse</td></tr>
<tr><td></td><td>fault</td><td>tns:negResponse</td></tr>
<tr><td></td><td colspan="2">CSTA-Reposition</td></tr>
<tr><td></td><td>input</td><td>tns:reposition</td></tr>
<tr><td></td><td>output</td><td>tns:repositionResponse</td></tr>
<tr><td></td><td>fault</td><td>tns:negResponse</td></tr>
<tr><td></td><td colspan="2">CSTA-Resume</td></tr>
<tr><td></td><td>input</td><td>tns:resume</td></tr>
<tr><td></td><td>output</td><td>tns:resumeResponse</td></tr>
<tr><td></td><td>fault</td><td>tns:negResponse</td></tr>
<tr><td></td><td colspan="2">CSTA-Review</td></tr>
<tr><td></td><td>input</td><td>tns:review</td></tr>
<tr><td></td><td>output</td><td>tns:reviewResponse</td></tr>
<tr><td></td><td>fault</td><td>tns:negResponse</td></tr>
<tr><td></td><td colspan="2">CSTA-Set-Voice-Attribute</td></tr>
<tr><td></td><td>input</td><td>tns:setVoiceAttribute</td></tr>
<tr><td></td><td>output</td><td>tns:setVoiceAttributeResponse</td></tr>
<tr><td></td><td>fault</td><td>tns:negResponse</td></tr>
</table>

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-Play-Event

output	**tns:playEvent**

CSTA-Record-Event

output	**tns:recordEvent**

CSTA-Review-Event

output	**tns:reviewEvent**

CSTA-Stop-Event

output	**tns:stopEvent**

CSTA-Suspend-Play-Event

output	**tns:suspendPlayEvent**

CSTA-Suspend-Record-Event

output	**tns:suspendRecordEvent**

CSTA-Voice-Attribute-Changed-Event

output	**tns:voiceAttributeChangedEvent**

source
```xml
<operation name="CSTA-Concatenate-Message">
 <input message="tns:concatenateMessage"/>
 <output message="tns:concatenateMessageResponse"/>
 <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-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-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>
```

```xml
<operation name="CSTA-Synthesize-Message">
 <input message="tns:synthesizeMessage"/>
 <output message="tns:synthesizeMessageResponse"/>
 <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Play-Event">
 <output message="tns:playEvent"/>
</operation>
<operation name="CSTA-Record-Event">
 <output message="tns:recordEvent"/>
</operation>
<operation name="CSTA-Review-Event">
 <output message="tns:reviewEvent"/>
</operation>
<operation name="CSTA-Stop-Event">
 <output message="tns:stopEvent"/>
</operation>
<operation name="CSTA-Suspend-Play-Event">
 <output message="tns:suspendPlayEvent"/>
</operation>
<operation name="CSTA-Suspend-Record-Event">
 <output message="tns:suspendRecordEvent"/>
</operation>
<operation name="CSTA-Voice-Attribute-Changed-Event">
 <output message="tns:voiceAttributeChangedEvent"/>
</operation>
```

21 Call Data Recording Features - Messages and Operations

This clause specifies the WSDL messages and operations for the Call Data Recording features.

21.1 Messages

message **cDRNotification**

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

message **cDRNotificationResponse**

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

message **cDRReport**

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

message **cDRReportResponse**

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

message **sendStoredCDR**

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

message **sendStoredCDRResponse**

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

message **startCDRTransmission**

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

message **startCDRTransmissionResponse**

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

message **stopCDRTransmission**

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

message **stopCDRTransmissionResponse**

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

21.2   Operations

<div style="border">

operations   **CSTA-CDR-Notification**

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

CSTA-CDR-Report

       output   **tns:cDRReport**
       input   **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

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

source

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

</div>

```xml
<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">
 <output message="tns:stopCDRTransmission"/>
 <input message="tns:stopCDRTransmissionResponse"/>
 <fault name="FaultName" message="tns:negResponse"/>
</operation>
```

22 Vendor Specific Features - Messages and Operations

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

22.1 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>`	

22.2　Operations

<table>
<tr><td>operations</td><td colspan="2">CSTA-EscapeRegister</td></tr>
<tr><td></td><td>input</td><td>tns:escapeRegister</td></tr>
<tr><td></td><td>output</td><td>tns:escapeRegisterResponse</td></tr>
<tr><td></td><td>fault</td><td>tns:negResponse</td></tr>
<tr><td></td><td colspan="2">CSTA-Escape-Register-Abort</td></tr>
<tr><td></td><td>output</td><td>tns:escapeRegisterAbort</td></tr>
<tr><td></td><td colspan="2">CSTA-Escape-Register-Cancel</td></tr>
<tr><td></td><td>input</td><td>tns:escapeRegisterCancel</td></tr>
<tr><td></td><td>output</td><td>tns:escapeRegisterCancelResponse</td></tr>
<tr><td></td><td>fault</td><td>tns:negResponse</td></tr>
<tr><td></td><td colspan="2">CSTA-Escape-as-input</td></tr>
<tr><td></td><td>input</td><td>tns:escape</td></tr>
<tr><td></td><td>output</td><td>tns:escapeResponse</td></tr>
<tr><td></td><td>fault</td><td>tns:negResponse</td></tr>
<tr><td></td><td colspan="2">CSTA-Escape-as-output</td></tr>
<tr><td></td><td>output</td><td>tns:escape</td></tr>
<tr><td></td><td>input</td><td>tns:escapeResponse</td></tr>
<tr><td></td><td>fault</td><td>tns:negResponse</td></tr>
<tr><td></td><td colspan="2">CSTA-Private-Data-Version-Selection</td></tr>
<tr><td></td><td>input</td><td>tns:privateDataVersionSelection</td></tr>
<tr><td></td><td>output</td><td>tns:privateDataVersionSelectionResponse</td></tr>
<tr><td></td><td>fault</td><td>tns:negResponse</td></tr>
<tr><td></td><td colspan="2">CSTA-Private-Event</td></tr>
<tr><td></td><td>output</td><td>tns:privateEvent</td></tr>
</table>

```
source
<operation name="CSTA-EscapeRegister">
 <input message="tns:escapeRegister"/>
 <output message="tns:escapeRegisterResponse"/>
 <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Escape-Register-Abort">
 <output 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>
<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">
    <output message="tns:escape"/>
    <input 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">
    <output message="tns:privateEvent"/>
  </operation>
```

23 Basic Telephony Profile – Port Type

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

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

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**
	CSTA-Connection-Cleared-event	
	output	**tns:connectionClearedEvent**
	CSTA-Delivered-event	
	output	**tns:deliveredEvent**
	CSTA-Established-event	
	output	**tns:establishedEvent**

CSTA-Failed-event

output **tns:failedEvent**

CSTA-Network-Reached-event

output **tns:networkReachedEvent**

CSTA-Originated-event

output **tns:originatedEvent**

CSTA-Service-Initiated-event

output **tns:serviceInitiatedEvent**

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>
<operation name="CSTA-Connection-Cleared-event">
 <output message="tns:connectionClearedEvent"/>
```

```xml
      </operation>
      <operation name="CSTA-Delivered-event">
        <output message="tns:deliveredEvent"/>
      </operation>
      <operation name="CSTA-Established-event">
        <output message="tns:establishedEvent"/>
      </operation>
      <operation name="CSTA-Failed-event">
        <output message="tns:failedEvent"/>
      </operation>
      <operation name="CSTA-Network-Reached-event">
        <output message="tns:networkReachedEvent"/>
      </operation>
      <operation name="CSTA-Originated-event">
        <output message="tns:originatedEvent"/>
      </operation>
      <operation name="CSTA-Service-Initiated-event">
        <output message="tns:serviceInitiatedEvent"/>
      </operation>
    </portType>
```

24   Routeing Profile - Port Type

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

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

porttype **CSTA-Routeing-Profile**

operations	**CSTA-Route-Request**
	output **tns:routeRequest**
	CSTA-Route-Select
	input **tns:routeSelect**
	CSTA-Route-End-as-output
	output **tns:routeEnd**
source	<portType name="CSTA-Routeing-Profile">
	<operation name="CSTA-Route-Request">
	<output message="tns:routeRequest"/>
	</operation>
	<operation name="CSTA-Route-Select">
	<input message="tns:routeSelect"/>
	</operation>
	<operation name="CSTA-Route-End-as-output">
	<output message="tns:routeEnd"/>
	</operation>
	</portType>

25   Level 1a Voice Browser Profile - Port Type

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

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

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

operations	**CSTA-Answer-Call**	
	input	**tns:answerCall**
	output	**tns:answerCallResponse**
	fault	**tns:negResponse**
	CSTA-Clear-Connection	
	input	**tns:clearConnection**
	output	**tns:clearConnectionResponse**
	fault	**tns:negResponse**
	CSTA-Single-Step-Transfer-Call	
	input	**tns:singleStepTransferCall**
	output	**tns:singleStepTransferCallResponse**
	fault	**tns:negResponse**
	CSTA-Monitor-Start	
	input	**tns:monitorStart**
	output	**tns:monitorStartResponse**
	fault	**tns:negResponse**
	CSTA-Monitor-Stop-as-input	
	input	**tns:monitorStop**
	output	**tns:monitorStopResponse**
	fault	**tns:negResponse**
	CSTA-Connection-Cleared-event	
	output	**tns:connectionClearedEvent**
	CSTA-Failed-event	
	output	**tns:failedEvent**
	CSTA-Delivered-event	
	output	**tns:deliveredEvent**
	CSTA-Transferred-event	
	output	**tns:transferedEvent**

CSTA-Established-event

      output   **tns:establishedEvent**

source   `<portType name="CSTA-Level-1a-Voice-Browser-Profile">`

  `<operation name="CSTA-Answer-Call">`

   `<input message="tns:answerCall"/>`

   `<output message="tns:answerCallResponse"/>`

   `<fault name="FaultName" message="tns:negResponse"/>`

  `</operation>`

  `<operation name="CSTA-Clear-Connection">`

   `<input message="tns:clearConnection"/>`

   `<output message="tns:clearConnectionResponse"/>`

   `<fault name="FaultName" message="tns:negResponse"/>`

  `</operation>`

  `<operation name="CSTA-Single-Step-Transfer-Call">`

   `<input message="tns:singleStepTransferCall"/>`

   `<output message="tns:singleStepTransferCallResponse"/>`

   `<fault name="FaultName" message="tns:negResponse"/>`

  `</operation>`

  `<operation name="CSTA-Monitor-Start">`

   `<input message="tns:monitorStart"/>`

   `<output message="tns:monitorStartResponse"/>`

   `<fault name="FaultName" message="tns:negResponse"/>`

  `</operation>`

  `<operation name="CSTA-Monitor-Stop-as-input">`

   `<input message="tns:monitorStop"/>`

   `<output message="tns:monitorStopResponse"/>`

   `<fault name="FaultName" message="tns:negResponse"/>`

  `</operation>`

  `<operation name="CSTA-Connection-Cleared-event">`

   `<output message="tns:connectionClearedEvent"/>`

  `</operation>`

  `<operation name="CSTA-Failed-event">`

   `<output message="tns:failedEvent"/>`

  `</operation>`

  `<operation name="CSTA-Delivered-event">`

   `<output message="tns:deliveredEvent"/>`

  `</operation>`

  `<operation name="CSTA-Transferred-event">`

   `<output message="tns:transferedEvent"/>`

  `</operation>`

  `<operation name="CSTA-Established-event">`

   `<output message="tns:establishedEvent"/>`

  `</operation>`

 `</portType>`

26   Level 1b Voice Browser Profile - Port Type

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

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

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

operations   **CSTA-Answer-Call**

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

CSTA-Clear-Connection

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

CSTA-Deflect-Call

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

CSTA-Monitor-Start

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

CSTA-Monitor-Stop-as-input

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

CSTA-Connection-Cleared-event

    output   **tns:connectionClearedEvent**

CSTA-Failed-event

    output   **tns:failedEvent**

CSTA-Delivered-event

    output   **tns:deliveredEvent**

CSTA-Diverted-event

    output   **tns:divertedEvent**

CSTA-Established-event

    output   **tns:establishedEvent**

```
source    <portType name="CSTA-Level-1b-Voice-Browser-Profile">
           <operation name="CSTA-Answer-Call">
            <input message="tns:answerCall"/>
            <output message="tns:answerCallResponse"/>
            <fault name="FaultName" message="tns:negResponse"/>
           </operation>
           <operation name="CSTA-Clear-Connection">
            <input message="tns:clearConnection"/>
            <output message="tns:clearConnectionResponse"/>
            <fault name="FaultName" message="tns:negResponse"/>
           </operation>
           <operation name="CSTA-Deflect-Call">
            <input message="tns:deflectCall"/>
            <output message="tns:deflectCallResponse"/>
            <fault name="FaultName" message="tns:negResponse"/>
           </operation>
           <operation name="CSTA-Monitor-Start">
            <input message="tns:monitorStart"/>
            <output message="tns:monitorStartResponse"/>
            <fault name="FaultName" message="tns:negResponse"/>
           </operation>
           <operation name="CSTA-Monitor-Stop-as-input">
            <input message="tns:monitorStop"/>
            <output message="tns:monitorStopResponse"/>
            <fault name="FaultName" message="tns:negResponse"/>
           </operation>
           <operation name="CSTA-Connection-Cleared-event">
            <output message="tns:connectionClearedEvent"/>
           </operation>
           <operation name="CSTA-Failed-event">
            <output message="tns:failedEvent"/>
           </operation>
           <operation name="CSTA-Delivered-event">
            <output message="tns:deliveredEvent"/>
           </operation>
           <operation name="CSTA-Diverted-event">
            <output message="tns:divertedEvent"/>
           </operation>
           <operation name="CSTA-Established-event">
            <output message="tns:establishedEvent"/>
           </operation>
          </portType>
```

27   Level 2a Voice Browser Profile - Port Type

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

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

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

operations   **CSTA-Answer-Call**

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

    CSTA-Clear-Connection

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

    CSTA-Make-Call

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

    CSTA-Single-Step-Transfer-Call

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

    CSTA-Monitor-Start

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

    CSTA-Monitor-Stop-as-input

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

    CSTA-Connection-Cleared-event

      output   **tns:connectionClearedEvent**

    CSTA-Delivered-event

      output   **tns:deliveredEvent**

    CSTA-Established-event

      output   **tns:establishedEvent**

CSTA-Failed-event

output   **tns:failedEvent**

CSTA-Network-Reached-event

output   **tns:networkReachedEvent**

CSTA-Originated-event

output   **tns:originatedEvent**

CSTA-Transferred-event

output   **tns:transferedEvent**

source   <portType name="CSTA-Level-2a-Voice-Browser-Profile">

<operation name="CSTA-Answer-Call">

<input message="tns:answerCall"/>

<fault name="FaultName" message="tns:negResponse"/>

</operation>

<operation name="CSTA-Clear-Connection">

<input message="tns:clearConnection"/>

<fault name="FaultName" message="tns:negResponse"/>

</operation>

<operation name="CSTA-Make-Call">

<input message="tns:makeCall"/>

<fault name="FaultName" message="tns:negResponse"/>

</operation>

<operation name="CSTA-Single-Step-Transfer-Call">

<input message="tns:singleStepTransferCall"/>

<fault name="FaultName" message="tns:negResponse"/>

</operation>

<operation name="CSTA-Monitor-Start">

<input message="tns:monitorStart"/>

<fault name="FaultName" message="tns:negResponse"/>

</operation>

<operation name="CSTA-Monitor-Stop-as-input">

<input message="tns:monitorStop"/>

<fault name="FaultName" message="tns:negResponse"/>

</operation>

<operation name="CSTA-Connection-Cleared-event">

```xml
        </operation>
        <operation name="CSTA-Delivered-event">
         <output message="tns:deliveredEvent"/>
        </operation>
        <operation name="CSTA-Established-event">
         <output message="tns:establishedEvent"/>
        </operation>
        <operation name="CSTA-Failed-event">
         <output message="tns:failedEvent"/>
        </operation>
        <operation name="CSTA-Network-Reached-event">
         <output message="tns:networkReachedEvent"/>
        </operation>
        <operation name="CSTA-Originated-event">
         <output message="tns:originatedEvent"/>
        </operation>
        <operation name="CSTA-Transferred-event">
         <output message="tns:transferedEvent"/>
        </operation>
       </portType>
```

28 Level 2b Voice Browser Profile - Port Type

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

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

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**
	CSTA-Connection-Cleared-event	
	output	**tns:connectionClearedEvent**
	CSTA-Delivered-event	
	output	**tns:deliveredEvent**
	CSTA-Established-event	
	output	**tns:establishedEvent**

CSTA-Failed-event

    output   **tns:failedEvent**

CSTA-Network-Reached-event

    output   **tns:networkReachedEvent**

CSTA-Originated-event

    output   **tns:originatedEvent**

CSTA-Diverted-event

    output   **tns:divertedEvent**

source
```xml
<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>
<operation name="CSTA-Connection-Cleared-event">
```

```xml
  <output message="tns:connectionClearedEvent"/>
 </operation>
 <operation name="CSTA-Delivered-event">
  <output message="tns:deliveredEvent"/>
 </operation>
 <operation name="CSTA-Established-event">
  <output message="tns:establishedEvent"/>
 </operation>
 <operation name="CSTA-Failed-event">
  <output message="tns:failedEvent"/>
 </operation>
 <operation name="CSTA-Network-Reached-event">
  <output message="tns:networkReachedEvent"/>
 </operation>
 <operation name="CSTA-Originated-event">
  <output message="tns:originatedEvent"/>
 </operation>
 <operation name="CSTA-Diverted-event">
  <output message="tns:divertedEvent"/>
 </operation>
</portType>
```

Annex A

(informative)

Example SOAP 1.1/HTTP Bindings

The following is an example of a WSDL description with SOAP/HTTP bindings. In order to keep the example simple, only one CSTA operation (Answer Call) is included.

```xml
<definitions

xmlns="http://schemas.xmlsoap.org/wsdl/"
xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"
xmlns:http="http://schemas.xmlsoap.org/wsdl/http/"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:csta="http://www.ecma.ch/standards/ecma-323/csta/ed2"
xmlns:tns="http://www.ecma-international.org/standards/ecma-348/csta-wsdl"
targetNamespace="http://www.ecma-international.org/standards/ecma-348/csta-wsdl">

        <!--WSDL Type definitions see 6.2-->

    <types>
        <xs:schema targetNamespace="http://www.ecma-international.org/standards/ecma-348/csta-wsdl">
            <xs:import namespace="http://www.ecma.ch/standards/ecma-323/csta/ed2" schemaLocation="csta.xsd"/>
        </xs:schema>
    </types>

        <!--WSDL Message definitions see 6.3-->

    <message name="answerCall">
        <part name="parameter" element="csta:AnswerCall"/>
    </message>
    <message name="answerCallResponse">
        <part name="parameter" element="csta:AnswerCallResponse"/>
    </message>
    <message name="negResponse">
        <part name="parameter" type="csta:UniversalFailure"/>
    </message>

        <!--WSDL Operation and PortType definitions see 6.4 and 6.5-->

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

        <!--WSDL Binding definitions see 6.6-->

    <binding name="SOAP_HTTP" type="tns:samplePortType">
        <soap:binding style="document" transport="http://schemas.xmlsoap.org/soap/http"/>
        <operation name="CSTA-Answer-Call">
            <soap:operation soapAction="http://CSTA_web_service.com/answerCall" style="document"/>
            <input>
                <soap:body use="literal"/>
            </input>
            <output>
                <soap:body use="literal"/>
            </output>
            <fault name="FaultName"/>
            </fault>
        </operation>
    </binding>
```

```xml
<!--WSDL Port and Service definitions see 6.7 and 6.8-->

<service name="CSTA_SOAP_Service">
    <port name="CSTA_Sample-Port" binding="tns:SOAP_HTTP">
        <soap:address location="http://CSTA_web_service.com"/>
    </port>
</service>

</definitions>
```

Annex B
(informative)

WSDL Considerations

WSDL version 1.1 has several limitations:

- Does not define fault messages with one-way and Notification operation types.

- Does not define concrete SOAP/HTTP bindings for Notification and solicit-response operation types.

- A specific operation can only exist in one port type.