

---

---

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

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

STANDARDSISO.COM : Click to view the PDF of ISO/IEC 18450:2013

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 18450:2013



**COPYRIGHT PROTECTED DOCUMENT**

© ISO/IEC 2013

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

Page

Foreword .....	vi
Introduction.....	vii
WSDL Tools Acknowledgement .....	vii
1 Scope.....	1
2 Conformance .....	1
3 Normative references.....	2
3.1 Ecma references.....	2
3.2 World Wide Web Consortium references.....	2
4 Terms and definitions .....	2
5 Web Services Overview .....	2
6 WSDL Overview .....	4
6.1 Namespaces.....	4
6.2 Data Types .....	4
6.3 Messages .....	5
6.3.1 Message Names.....	5
6.3.2 Message Parts .....	5
6.3.3 Negative Response Message .....	5
6.3.4 Example.....	5
6.4 Operations.....	6
6.4.1 Switching Function WSDL.....	6
6.4.2 Computing Function WSDL.....	7
6.4.3 Summary of CSTA Request/Response & Event Models and WSDL Operation Types.....	8
6.5 Port Types .....	8
6.5.1 Example.....	8
6.6 Bindings .....	10
6.7 Port.....	10
6.8 Service.....	10
7 Capability Exchange Services – Messages and Operations.....	10
7.1 Messages .....	10
7.2 Operations.....	13
8 System Services – Messages and Operations .....	14
8.1 Messages .....	14
8.2 Operations.....	18
9 Monitoring Services – Messages and Operations .....	20
9.1 Messages .....	20
9.2 Operations.....	22
10 Snapshot Services – Messages and Operations .....	23
10.1 Messages .....	23
10.2 Operations.....	25
11 Call Control Features – Messages and Operations .....	26
11.1 Messages .....	26
11.2 Operations.....	41
12 Call Associated Features - Messages and Operations.....	49
12.1 Messages .....	49
12.2 Operations.....	53

13	Media Attachment Features - Messages and Operations.....	55
13.1	Messages.....	55
13.2	Operations.....	56
14	Routeing Features - Messages and Operations.....	57
14.1	Messages.....	57
14.2	Operations.....	60
15	Physical Device Features - Messages and Operations.....	61
15.1	Messages.....	61
15.2	Operations.....	73
16	Logical Device Features - Messages and Operations.....	79
16.1	Messages.....	79
16.2	Operations.....	90
17	Device Maintenance Events - Messages and Operations.....	97
17.1	Messages.....	97
17.2	Operations.....	98
18	I/O Services Features - Messages and Operations.....	98
18.1	Messages.....	98
18.2	Operations.....	103
19	Data Collection Features - Messages and Operations.....	107
19.1	Messages.....	107
19.2	Operations.....	110
20	Voice Features - Messages and Operations.....	112
20.1	Messages.....	112
20.2	Operations.....	123
21	Call Detail Record Features - Messages and Operations.....	129
21.1	Messages.....	129
21.2	Operations.....	131
22	Location Services - Messages and Operations.....	132
22.1	Messages.....	132
22.2	Operations.....	137
23	Vendor Specific Features - Messages and Operations.....	140
23.1	Messages.....	140
23.2	Operations.....	142
24	Basic Telephony Profile – Port Type Pair.....	143
25	Routeing Profile - Port Type Pair.....	146
26	Level 1a Voice Browser Profile - Port Type Pair.....	147
27	Level 1b Voice Browser Profile - Port Type Pair.....	149
28	Level 2a Voice Browser Profile - Port Type Pair.....	151
29	Level 2b Voice Browser Profile - Port Type Pair.....	153
30	Minimal uaCSTA Call Control Profile – Port Type.....	156
31	Basic uaCSTA Call Control Profile – Port Type Pair.....	158
32	Advanced uaCSTA Call Control Profile – Port Type Pair.....	161
33	Conferencing uaCSTA with Basic Call Control Profile – Port Type Pair.....	166
34	Conferencing uaCSTA with Advanced Call Control Profile – Port Type Pair.....	170
35	Basic uaCSTA Device Feature with Basic Call Control Profile – Port Type Pair.....	176
36	Basic uaCSTA Device Feature with Advanced Call Control Profile – Port Type Pair.....	180
37	Speaker uaCSTA Device Feature with Basic Call Control Profile – Port Type Pair.....	186

<b>38</b>	<b>Speaker uaCSTA Device Feature with Advanced Call Control Profile – Port Type Pair .....</b>	<b>190</b>
<b>Annex A</b>	<b>(normative) Event Channel Establishment.....</b>	<b>196</b>
<b>A.1</b>	<b>General .....</b>	<b>196</b>
<b>A.2</b>	<b>Event Channel from Switching Function .....</b>	<b>197</b>
<b>A.2.1</b>	<b>ISO/IEC 18051 7.1 Implicit Association .....</b>	<b>198</b>
<b>A.2.2</b>	<b>ISO/IEC 18051 7.2 Implicit Association .....</b>	<b>198</b>
<b>A.3</b>	<b>Event Channel from Session.....</b>	<b>198</b>
<b>A.4</b>	<b>Event Channel from Event Sources in Switching Function (Option).....</b>	<b>198</b>
<b>Annex B</b>	<b>(informative) Example SOAP 1.1/HTTP Binding.....</b>	<b>201</b>
<b>Annex C</b>	<b>(informative) WSDL Considerations .....</b>	<b>203</b>

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 18450:2013

## Foreword

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

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

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

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

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

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 18450:2013

## Introduction

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

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

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

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

## WSDL Tools Acknowledgement

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

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 18450:2013

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

## 1 Scope

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

This International Standard specifies two WSDL documents: Computing Function WSDL and Switching Function WSDL, for ISO/IEC 18051, Services for Computer Supported Telecommunications Applications (CSTA) Phase III. All CSTA features (e.g., services and events) specified in ISO/IEC 18051 are specified in this International Standard. This Standard specifies pairs of port types, one from the Computing Function WSDL and one from the Switching Function WSDL, for all the profiles specified in ISO/IEC 18051.

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

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

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

## 2 Conformance

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

To support one pair of these port types, an implementation must support all the WSDL operations specified in the port type pair. A conformant implementation supports an operation by adhering to the corresponding service definition in ISO/IEC 18051 and by using the message formats and data types as specified in ISO/IEC 18056.

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

### 3 Normative references

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

#### 3.1 Ecma references

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

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

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

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

#### 3.2 World Wide Web Consortium references

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

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

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

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

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

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

### 4 Terms and definitions

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

### 5 Web Services Overview

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

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

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

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

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

The first two requirements, a standard way to represent data and a common extensible message format, have already been achieved with ISO/IEC 18056. The ISO/IEC 18056 Standard includes extensible XML schemas for all of the categories of services defined in ISO/IEC 18051.

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

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

There are three components involved with Web services:

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

For the purposes of this International Standard:

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

## 6 WSDL Overview

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

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

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

For interoperability, this International Standard disallows WSDL 1.1 Notification and Solicit-response operations. Instead, this Standard uses a Switching Function WSDL to represent the Switching Function Services defined in ISO/IEC 18051 and a Computing Function WSDL to represent the CSTA Event Reports and Computing Function Services defined in ISO/IEC 18051. A Computing Function WSDL port type and a Switching Function WSDL port type that collectively specify a CSTA profile are paired by using this naming convention: the name of the Computing Function port type is the name of the paired Switching Function port type prefixed by string “CF-”.

### 6.1 Namespaces

There are two CSTA specific namespaces used in this International Standard:

- <http://www.ecma-international.org/standards/ecma-323/csta/ed6> - this namespace, for which “csta” is a shorthand, contains all of the CSTA XML messages specified in ISO/IEC 18056, 5th Edition. See 6.2.
- <http://www.ecma-international.org/standards/ecma-348/csta-wsdl/ed5> - this namespace, for which “tns” is a shorthand, contains the CSTA WSDL schema definitions specified in this International Standard.

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

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

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

### 6.2 Data Types

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

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

## 6.3 Messages

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

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

An example of an XML element specified in ISO/IEC 18056 is:

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

The above definition, along with all ISO/IEC 18056 message definitions, is imported by the CSTA WSDL schema and is available in the <http://www.ecma-international.org/standards/ecma-323/csta/ed5> namespace.

### 6.3.1 Message Names

The WSDL message element specifies the name of a message that is referenced in a WSDL operation element. The naming convention used in this International Standard is to derive the WSDL message element name from the corresponding ISO/IEC 18056 element name. A lower case letter is used to differentiate the WSDL message name from the ISO/IEC 18056 element name.

For example, the ISO/IEC 18056 element name AnswerCall is used in the definition of the CSTA WSDL answerCall message name.

### 6.3.2 Message Parts

The WSDL message part element is used to define the actual format of the message. Although there can be multiple parts in a WSDL message, CSTA WSDL uses only one part and therefore can always use the same name (i.e. "parameter") for the message part name. The element type refers to an element defined in ISO/IEC 18056.

### 6.3.3 Negative Response Message

The negative response message is specified as follows:

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

### 6.3.4 Example

The following example defines a WSDL message element definition for the ISO/IEC 18056 AnswerCall request message. Its name "answerCall" will be used to define the AnswerCall Operation.

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

## 6.4 Operations

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

This formalizes the relationship between the CSTA XML elements standardized in ISO/IEC 18056. Although a person can determine the relationship between messages associated with an operation in ISO/IEC 18056 by its logical place in the ISO/IEC 18056 Standard and in some cases by naming conventions, CSTA WSDL specifies this relationship in a formal notation that can be understood by applications.

The operation name is derived from the feature name as specified in ISO/IEC 18056 and the message names are defined by the WSDL message element names.

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

### 6.4.1 Switching Function WSDL

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

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

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

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

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

CSTA-Answer-Call	
input	tns:answerCall
output	tns:answerCallResponse
fault	tns:negResponse

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

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

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

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

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

CSTA-Route-Select	
input	tns:routeSelect

WSDL 1.1 does not specify a fault message with a one-way operation type, however ISO/IEC 18051 specifies that a negative acknowledgement can be sent for certain services that do not specify a positive acknowledgement. Therefore a separate operation in the Computing Function WSDL is specified in this International Standard that provides a negative acknowledgement. It is not required to send a negative acknowledgement in these cases.

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

#### 6.4.2 Computing Function WSDL

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

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

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

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

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

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

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

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

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

CSTA-Delivered-event	
input	tns:deliveredEvent

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

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

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

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

WSDL 1.1 does not specify a fault message with a one-way operation type, however ISO/IEC 18051 specifies that a negative acknowledgement can be sent for certain services that do not specify a positive acknowledgement. Therefore a separate WSDL operation is specified in this International Standard that provides a negative acknowledgement. It is not required to send a negative acknowledgement in these cases.

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

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

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

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

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

## 6.5 Port Types

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

Each port type specified in this International Standard (beginning in Clause 24) corresponds to a profile specified in 2.1.3 of ISO/IEC 18051. A Service Provider may support other operations in addition to the operations specified in the port types.

### 6.5.1 Example

An example port type with three CSTA WSDL operations follows:

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

```

</operation>

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

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

```

The following notation is used to describe a portType:

porttype **samplePortType**

operations	<p><b>CSTA-Answer-Call</b></p> <p>input    <b>tns:answerCall</b></p> <p>output   <b>tns:answerCallResponse</b></p> <p>fault    <b>tns:negResponse</b></p>
	<p><b>CSTA-Clear-Connection</b></p> <p>input    <b>tns:clearConnection</b></p> <p>output   <b>tns:clearConnectionResponse</b></p> <p>fault    <b>tns:negResponse</b></p>
	<p><b>CSTA-Make-Call</b></p> <p>input    <b>tns:makeCall</b></p> <p>output   <b>tns:makeCallResponse</b></p> <p>fault    <b>tns:negResponse</b></p>
source	<pre> &lt;portType name="samplePortType"&gt;   &lt;operation name="CSTA-Answer-Call"&gt;     &lt;input message="tns:answerCall"/&gt;     &lt;output message="tns:answerCallResponse"/&gt;     &lt;fault name="FaultName" message="tns:negResponse"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Clear-Connection"&gt;     &lt;input message="tns:clearConnection"/&gt;     &lt;output message="tns:clearConnectionResponse"/&gt;     &lt;fault name="FaultName" message="tns:negResponse"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Make-Call"&gt;     &lt;input message="tns:makeCall"/&gt;     &lt;output message="tns:makeCallResponse"/&gt;     &lt;fault name="FaultName" message="tns:negResponse"/&gt;   &lt;/operation&gt; &lt;/portType&gt; </pre>

## 6.6 Bindings

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

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

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

## 6.7 Port

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

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

## 6.8 Service

A service is a collection of related ports.

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

## 7 Capability Exchange Services – Messages and Operations

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

### 7.1 Messages

#### message **getCSTAFeatures**

parts	<b>parameter</b>
	element <b>csta:GetCSTAFeatures</b>
source	<code>&lt;message name="getCSTAFeatures"&gt;</code> <code>&lt;part name="parameter" element="csta:GetCSTAFeatures"/&gt;</code> <code>&lt;/message&gt;</code>

#### message **getCSTAFeaturesResponse**

parts	<b>parameter</b>
	element <b>csta:GetCSTAFeaturesResponse</b>
source	<code>&lt;message name="getCSTAFeaturesResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetCSTAFeaturesResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getLogicalDeviceInformation**

parts	<b>parameter</b>
	element <b>csta:GetLogicalDeviceInformation</b>
source	<pre>&lt;message name="getLogicalDeviceInformation"&gt;   &lt;part name="parameter" element="csta:GetLogicalDeviceInformation"/&gt; &lt;/message&gt;</pre>

message **getLogicalDeviceInformationResponse**

parts	<b>parameter</b>
	element <b>csta:GetLogicalDeviceInformationResponse</b>
source	<pre>&lt;message name="getLogicalDeviceInformationResponse"&gt;   &lt;part name="parameter" element="csta:GetLogicalDeviceInformationResponse"/&gt; &lt;/message&gt;</pre>

message **getPhysicalDeviceInformation**

parts	<b>parameter</b>
	element <b>csta:GetPhysicalDeviceInformation</b>
source	<pre>&lt;message name="getPhysicalDeviceInformation"&gt;   &lt;part name="parameter" element="csta:GetPhysicalDeviceInformation"/&gt; &lt;/message&gt;</pre>

message **getPhysicalDeviceInformationResponse**

parts	<b>parameter</b>
	element <b>csta:GetPhysicalDeviceInformationResponse</b>
source	<pre>&lt;message name="getPhysicalDeviceInformationResponse"&gt;   &lt;part name="parameter" element="csta:GetPhysicalDeviceInformationResponse"/&gt; &lt;/message&gt;</pre>

message **getSwitchingFunctionCaps**

parts	<b>parameter</b>
	element <b>csta:GetSwitchingFunctionCaps</b>
source	<pre>&lt;message name="getSwitchingFunctionCaps"&gt;   &lt;part name="parameter" element="csta:GetSwitchingFunctionCaps"/&gt; &lt;/message&gt;</pre>

message **getSwitchingFunctionCapsResponse**

parts	<b>parameter</b>
	element <b>csta:GetSwitchingFunctionCapsResponse</b>
source	<pre>&lt;message name="getSwitchingFunctionCapsResponse"&gt;   &lt;part name="parameter" element="csta:GetSwitchingFunctionCapsResponse"/&gt; &lt;/message&gt;</pre>

message **getSwitchingFunctionDevices**

parts	<b>parameter</b>
	element <b>csta:GetSwitchingFunctionDevices</b>
source	<pre>&lt;message name="getSwitchingFunctionDevices"&gt;   &lt;part name="parameter" element="csta:GetSwitchingFunctionDevices"/&gt; &lt;/message&gt;</pre>

message **getSwitchingFunctionDevicesResponse**

parts	<b>parameter</b>
	element <b>csta:GetSwitchingFunctionDevicesResponse</b>
source	<pre>&lt;message name="getSwitchingFunctionDevicesResponse"&gt;   &lt;part name="parameter" element="csta:GetSwitchingFunctionDevicesResponse"/&gt; &lt;/message&gt;</pre>

message **switchingFunctionDevices**

parts	<b>parameter</b>
	element <b>csta:SwitchingFunctionDevices</b>
source	<pre>&lt;message name="switchingFunctionDevices"&gt;   &lt;part name="parameter" element="csta:SwitchingFunctionDevices"/&gt; &lt;/message&gt;</pre>

STANDARDSONISO.COM : Click to view the full PDF of ISO/IEC 18450:2013

## 7.2 Operations

operations	<b>CSTA-Get-CSTA-Features</b>
	input <a href="#">tns:getCSTAFeatures</a> output <a href="#">tns:getCSTAFeaturesResponse</a> fault <a href="#">tns:negResponse</a>
	<b>CSTA-Get-Logical-Device-Information</b>
	input <a href="#">tns:getLogicalDeviceInformation</a> output <a href="#">tns:getLogicalDeviceInformationResponse</a> fault <a href="#">tns:negResponse</a>
	<b>CSTA-Get-Physical-Device-Information</b>
	input <a href="#">tns:getPhysicalDeviceInformation</a> output <a href="#">tns:getPhysicalDeviceInformationResponse</a> fault <a href="#">tns:negResponse</a>
	<b>CSTA-Get-Switching-Function-Capabilities</b>
	input <a href="#">tns:getSwitchingFunctionCaps</a> output <a href="#">tns:getSwitchingFunctionCapsResponse</a> fault <a href="#">tns:negResponse</a>
	<b>CSTA-Get-Switching-Function-Devices</b>
	input <a href="#">tns:getSwitchingFunctionDevices</a> output <a href="#">tns:getSwitchingFunctionDevicesResponse</a> fault <a href="#">tns:negResponse</a>
	<b>CSTA-Switching-Function-Devices</b>
source	output <a href="#">tns:switchingFunctionDevices</a> <pre> &lt;operation name="CSTA-Get-CSTA-Features"&gt;   &lt;input message="tns:getCSTAFeatures"/&gt;   &lt;output message="tns:getCSTAFeaturesResponse"/&gt;   &lt;fault name="FaultName" message="tns:negResponse"/&gt; &lt;/operation&gt; &lt;operation name="CSTA-Get-Logical-Device-Information"&gt;   &lt;input message="tns:getLogicalDeviceInformation"/&gt;   &lt;output message="tns:getLogicalDeviceInformationResponse"/&gt;   &lt;fault name="FaultName" message="tns:negResponse"/&gt; &lt;/operation&gt; &lt;operation name="CSTA-Get-Physical-Device-Information"&gt;   &lt;input message="tns:getPhysicalDeviceInformation"/&gt;   &lt;output message="tns:getPhysicalDeviceInformationResponse"/&gt;   &lt;fault name="FaultName" message="tns:negResponse"/&gt; &lt;/operation&gt; &lt;operation name="CSTA-Get-Switching-Function-Capabilities"&gt;   &lt;input message="tns:getSwitchingFunctionCaps"/&gt;   &lt;output message="tns:getSwitchingFunctionCapsResponse"/&gt;   &lt;fault name="FaultName" message="tns:negResponse"/&gt; </pre>

```

</operation>
<operation name="CSTA-Get-Switching-Function-Devices">
  <input message="tns:getSwitchingFunctionDevices"/>
  <output message="tns:getSwitchingFunctionDevicesResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Switching-Function-Devices">
  <output message="tns:switchingFunctionDevices"/>
</operation>

```

## 8 System Services – Messages and Operations

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

### 8.1 Messages

#### message changeSystemStatFilter

```

parts
  parameter
    element csta:ChangeSysStatFilter
source
  <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	<b>parameter</b>
	element <b>csta:SystemRegisterResponse</b>
source	<pre>&lt;message name="systemRegisterResponse"&gt;   &lt;part name="parameter" element="csta:SystemRegisterResponse"/&gt; &lt;/message&gt;</pre>

message **systemRegisterAbort**

parts	<b>parameter</b>
	element <b>csta:SystemRegisterAbort</b>
source	<pre>&lt;message name="systemRegisterAbort"&gt;   &lt;part name="parameter" element="csta:SystemRegisterAbort"/&gt; &lt;/message&gt;</pre>

message **systemRegisterCancel**

parts	<b>parameter</b>
	element <b>csta:SystemRegisterCancel</b>
source	<pre>&lt;message name="systemRegisterCancel"&gt;   &lt;part name="parameter" element="csta:SystemRegisterCancel"/&gt; &lt;/message&gt;</pre>

message **systemRegisterCancelResponse**

parts	<b>parameter</b>
	element <b>csta:SystemRegisterCancelResponse</b>
source	<pre>&lt;message name="systemRegisterCancelResponse"&gt;   &lt;part name="parameter" element="csta:SystemRegisterCancelResponse"/&gt; &lt;/message&gt;</pre>

message **requestSystemStatus**

parts	<b>parameter</b>
	element <b>csta:RequestSystemStatus</b>
source	<pre>&lt;message name="requestSystemStatus"&gt;   &lt;part name="parameter" element="csta:RequestSystemStatus"/&gt; &lt;/message&gt;</pre>

message **requestSystemStatusResponse**

parts	<b>parameter</b>
	element <b>csta:RequestSystemStatusResponse</b>
source	<pre>&lt;message name="requestSystemStatusResponse"&gt;   &lt;part name="parameter" element="csta:RequestSystemStatusResponse"/&gt; &lt;/message&gt;</pre>

message **systemStatus**

parts	<b>parameter</b>
	element <b>csta:SystemStatus</b>
source	<pre>&lt;message name="systemStatus"&gt;   &lt;part name="parameter" element="csta:SystemStatus"/&gt; &lt;/message&gt;</pre>

message **systemStatusResponse**

parts	<b>parameter</b>
	element <b>csta:SystemStatusResponse</b>
source	<pre>&lt;message name="systemStatusResponse"&gt;   &lt;part name="parameter" element="csta:SystemStatusResponse"/&gt; &lt;/message&gt;</pre>

message **swFunctionCapsChanged**

parts	<b>parameter</b>
	element <b>csta:SwFunctionCapsChanged</b>
source	<pre>&lt;message name="swFunctionCapsChanged"&gt;   &lt;part name="parameter" element="csta:SwFunctionCapsChanged"/&gt; &lt;/message&gt;</pre>

message **swFunctionCapsChangedResponse**

parts	<b>parameter</b>
	element <b>csta:SwFunctionCapsChangedResponse</b>
source	<pre>&lt;message name="swFunctionCapsChangedResponse"&gt;   &lt;part name="parameter" element="csta:SwFunctionCapsChangedResponse"/&gt; &lt;/message&gt;</pre>

message **swFunctionDevicesChanged**

parts	<b>parameter</b>
	element <b>csta:SwFunctionDevicesChanged</b>
source	<pre>&lt;message name="swFunctionDevicesChanged"&gt;   &lt;part name="parameter" element="csta:SwFunctionDevicesChanged"/&gt; &lt;/message&gt;</pre>

message **swFunctionDevicesChangedResponse**

parts	<b>parameter</b>
	element <b>csta:SwFunctionDevicesChangedResponse</b>
source	<pre>&lt;message name="swFunctionDevicesChangedResponse"&gt;   &lt;part name="parameter" element="csta:SwFunctionDevicesChangedResponse"/&gt; &lt;/message&gt;</pre>

message **getRegistrations**

parts	<b>parameter</b>
	element <b>csta:GetRegistrations</b>
source	<pre>&lt;message name="getRegistrations"&gt;   &lt;part name="parameter" element="csta:GetRegistrations"/&gt; &lt;/message&gt;</pre>

message **getRegistrationsResponse**

parts	<b>parameter</b>
	element <b>csta:GetRegistrationsResponse</b>
source	<pre>&lt;message name="getRegistrationsResponse"&gt;   &lt;part name="parameter" element="csta:GetRegistrationsResponse"/&gt; &lt;/message&gt;</pre>

message **registrationInfo**

parts	<b>parameter</b>
	element <b>csta:RegistrationInfo</b>
source	<pre>&lt;message name="registrationInfo"&gt;   &lt;part name="parameter" element="csta:RegistrationInfo"/&gt; &lt;/message&gt;</pre>

8.2 Operations

operations	<b>CSTA-Change-System-Status-Filter</b>
	input <a href="#">tns:changeSystemStatFilter</a>
	output <a href="#">tns:changeSysStatFilterResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-System-Register</b>
	input <a href="#">tns:systemRegister</a>
	output <a href="#">tns:systemRegisterResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-System-Register-Abort</b>
	input <a href="#">tns:systemRegisterAbort</a>
	<b>CSTA-System-Register-Cancel</b>
	input <a href="#">tns:systemRegisterCancel</a>
	output <a href="#">tns:systemRegisterCancelResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Request-System-Status-as-input</b>
	input <a href="#">tns:requestSystemStatus</a>
	output <a href="#">tns:requestSystemStatusResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Request-System-Status-as-output</b>
	input <a href="#">tns:requestSystemStatus</a>
	output <a href="#">tns:requestSystemStatusResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-System-Status-as-input</b>
	input <a href="#">tns:systemStatus</a>
	output <a href="#">tns:systemStatusResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-System-Status-as-output</b>
	input <a href="#">tns:systemStatus</a>
	output <a href="#">tns:systemStatusResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-SF-Capabilities-Changed</b>
	input <a href="#">tns:swFunctionCapsChanged</a>
	output <a href="#">tns:swFunctionCapsChangedResponse</a>
	fault <a href="#">tns:negResponse</a>

STANDARDS190.COM Click to view the full PDF of ISO/IEC 18450:2013

**CSTA-SF-Devices-Changed**

input [tns:swFunctionDevicesChanged](#)  
 output [tns:swFunctionDevicesChangedResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Get-Registrations**

input **tns:getRegistrations**  
 output [tns:getRegistrationsResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Registration-Info**

source input [tns:registrationInfo](#)

```

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

```

```

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

```

## 9 Monitoring Services – Messages and Operations

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

### 9.1 Messages

#### message changeMonitorFilter

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

#### message changeMonitorFilterResponse

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

message **monitorStart**

parts	<b>parameter</b>
	element <b>csta:MonitorStart</b>
source	<code>&lt;message name="monitorStart"&gt;</code> <code>&lt;part name="parameter" element="csta:MonitorStart"/&gt;</code> <code>&lt;/message&gt;</code>

message **monitorStartResponse**

parts	<b>parameter</b>
	element <b>csta:MonitorStartResponse</b>
source	<code>&lt;message name="monitorStartResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:MonitorStartResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **monitorStop**

parts	<b>parameter</b>
	element <b>csta:MonitorStop</b>
source	<code>&lt;message name="monitorStop"&gt;</code> <code>&lt;part name="parameter" element="csta:MonitorStop"/&gt;</code> <code>&lt;/message&gt;</code>

message **monitorStopResponse**

parts	<b>parameter</b>
	element <b>csta:MonitorStopResponse</b>
source	<code>&lt;message name="monitorStopResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:MonitorStopResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getMonitors**

parts	<b>parameter</b>
	element <b>csta:GetMonitors</b>
source	<code>&lt;message name="getMonitors"&gt;</code> <code>&lt;part name="parameter" element="csta:GetMonitors"/&gt;</code> <code>&lt;/message&gt;</code>

message **getMonitorsResponse**

parts	<b>parameter</b>
	element <b>csta:GetMonitorsResponse</b>
source	<pre>&lt;message name="getMonitorsResponse"&gt;   &lt;part name="parameter" element="csta:GetMonitorsResponse"/&gt; &lt;/message&gt;</pre>

message **monitorInfo**

parts	<b>parameter</b>
	element <b>csta:MonitorInfo</b>
source	<pre>&lt;message name="monitorInfo"&gt;   &lt;part name="parameter" element="csta:MonitorInfo"/&gt; &lt;/message&gt;</pre>

**9.2 Operations**

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

```

source
<operation name="CSTA-Change-Monitor-Filter">
  <input message="tns:changeMonitorFilter"/>
  <output message="tns:changeMonitorFilterResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Monitor-Start">
  <input message="tns:monitorStart"/>
  <output message="tns:monitorStartResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Monitor-Stop-as-input">
  <input message="tns:monitorStop"/>
  <output message="tns:monitorStopResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Monitor-Stop-as-output">
  <input message="tns:monitorStop"/>
  <output message="tns:monitorStopResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Monitors">
  <input message="tns:getMonitors"/>
  <output message="tns:getMonitorsResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Monitor-Info">
  <input message="tns:monitorInfo"/>
</operation>

```

## 10 Snapshot Services – Messages and Operations

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

### 10.1 Messages

message **snapshotCall**

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

message **snapshotCallResponse**

parts	<b>parameter</b>
	element <b>csta:SnapshotCallResponse</b>
source	<pre>&lt;message name="snapshotCallResponse"&gt;   &lt;part name="parameter" element="csta:SnapshotCallResponse"/&gt; &lt;/message&gt;</pre>

message **snapshotDevice**

parts	<b>parameter</b>
	element <b>csta:SnapshotDevice</b>
source	<pre>&lt;message name="snapshotDevice"&gt;   &lt;part name="parameter" element="csta:SnapshotDevice"/&gt; &lt;/message&gt;</pre>

message **snapshotDeviceResponse**

parts	<b>parameter</b>
	element <b>csta:SnapshotDeviceResponse</b>
source	<pre>&lt;message name="snapshotDeviceResponse"&gt;   &lt;part name="parameter" element="csta:SnapshotDeviceResponse"/&gt; &lt;/message&gt;</pre>

message **snapshotCallData**

parts	<b>parameter</b>
	element <b>csta:SnapshotCallData</b>
source	<pre>&lt;message name="snapshotCallData"&gt;   &lt;part name="parameter" element="csta:SnapshotCallData"/&gt; &lt;/message&gt;</pre>

message **snapshotDeviceData**

parts	<b>parameter</b>
	element <b>csta:SnapshotDeviceData</b>
source	<pre>&lt;message name="snapshotDeviceData"&gt;   &lt;part name="parameter" element="csta:SnapshotDeviceData"/&gt; &lt;/message&gt;</pre>

## 10.2 Operations

operations	<p><b>CSTA-Snapshot-Call</b></p> <p>input <a href="#">tns:snapshotCall</a></p> <p>output <a href="#">tns:snapshotCallResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Snapshot-Device</b></p> <p>input <a href="#">tns:snapshotDevice</a></p> <p>output <a href="#">tns:snapshotDeviceResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Snapshot-Call-Data</b></p> <p>input <a href="#">tns:snapshotCallData</a></p> <p><b>CSTA-Snapshot-Device-Data</b></p> <p>input <a href="#">tns:snapshotDeviceData</a></p>
source	<pre> &lt;operation name="CSTA-Snapshot-Call"&gt;   &lt;input message="tns:snapshotCall"/&gt;   &lt;output message="tns:snapshotCallResponse"/&gt;   &lt;fault name="FaultName" message="tns:negResponse"/&gt; &lt;/operation&gt; &lt;operation name="CSTA-Snapshot-Device"&gt;   &lt;input message="tns:snapshotDevice"/&gt;   &lt;output message="tns:snapshotDeviceResponse"/&gt;   &lt;fault name="FaultName" message="tns:negResponse"/&gt; &lt;/operation&gt; &lt;operation name="CSTA-Snapshot-Call-Data"&gt;   &lt;input message="tns:snapshotCallData"/&gt; &lt;/operation&gt; &lt;operation name="CSTA-Snapshot-Device-Data"&gt;   &lt;input message="tns:snapshotDeviceData"/&gt; &lt;/operation&gt; </pre>

## 11 Call Control Features – Messages and Operations

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

### 11.1 Messages

#### message **acceptCall**

parts	<b>parameter</b>
	element <b>csta:AcceptCall</b>
source	<code>&lt;message name="acceptCall"&gt;</code> <code>&lt;part name="parameter" element="csta:AcceptCall"/&gt;</code> <code>&lt;/message&gt;</code>

#### message **acceptCallResponse**

parts	<b>parameter</b>
	element <b>csta:AcceptCallResponse</b>
source	<code>&lt;message name="acceptCallResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:AcceptCallResponse"/&gt;</code> <code>&lt;/message&gt;</code>

#### message **alternateCall**

parts	<b>parameter</b>
	element <b>csta:AlternateCall</b>
source	<code>&lt;message name="alternateCall"&gt;</code> <code>&lt;part name="parameter" element="csta:AlternateCall"/&gt;</code> <code>&lt;/message&gt;</code>

#### message **alternateCallResponse**

parts	<b>parameter</b>
	element <b>csta:AlternateCallResponse</b>
source	<code>&lt;message name="alternateCallResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:AlternateCallResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **answerCall**

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

message **answerCallResponse**

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

message **callBack**

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

message **callBackResponse**

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

message **callBackMessage**

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

message **callBackMessageResponse**

parts	<b>parameter</b>
	element <b>csta:CallBackMessageResponse</b>
source	<pre>&lt;message name="callBackMessageResponse"&gt;   &lt;part name="parameter" element="csta:CallBackMessageResponse"/&gt; &lt;/message&gt;</pre>

message **camponCall**

parts	<b>parameter</b>
	element <b>csta:CamponCall</b>
source	<pre>&lt;message name="camponCall"&gt;   &lt;part name="parameter" element="csta:CamponCall"/&gt; &lt;/message&gt;</pre>

message **camponCallResponse**

parts	<b>parameter</b>
	element <b>csta:CamponCallResponse</b>
source	<pre>&lt;message name="camponCallResponse"&gt;   &lt;part name="parameter" element="csta:CamponCallResponse"/&gt; &lt;/message&gt;</pre>

message **clearCall**

parts	<b>parameter</b>
	element <b>csta:ClearCall</b>
source	<pre>&lt;message name="clearCall"&gt;   &lt;part name="parameter" element="csta:ClearCall"/&gt; &lt;/message&gt;</pre>

message **clearCallResponse**

parts	<b>parameter</b>
	element <b>csta:ClearCallResponse</b>
source	<pre>&lt;message name="clearCallResponse"&gt;   &lt;part name="parameter" element="csta:ClearCallResponse"/&gt; &lt;/message&gt;</pre>

message **clearConnection**

parts	<b>parameter</b>
	element <b>csta:ClearConnection</b>
source	<code>&lt;message name="clearConnection"&gt;</code> <code>&lt;part name="parameter" element="csta:ClearConnection"/&gt;</code> <code>&lt;/message&gt;</code>

message **clearConnectionResponse**

parts	<b>parameter</b>
	element <b>csta:ClearConnectionResponse</b>
source	<code>&lt;message name="clearConnectionResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:ClearConnectionResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **conferenceCall**

parts	<b>parameter</b>
	element <b>csta:ConferenceCall</b>
source	<code>&lt;message name="conferenceCall"&gt;</code> <code>&lt;part name="parameter" element="csta:ConferenceCall"/&gt;</code> <code>&lt;/message&gt;</code>

message **conferenceCallResponse**

parts	<b>parameter</b>
	element <b>csta:ConferenceCallResponse</b>
source	<code>&lt;message name="conferenceCallResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:ConferenceCallResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **consultationCall**

parts	<b>parameter</b>
	element <b>csta:ConsultationCall</b>
source	<code>&lt;message name="consultationCall"&gt;</code> <code>&lt;part name="parameter" element="csta:ConsultationCall"/&gt;</code> <code>&lt;/message&gt;</code>

message **consultationCallResponse**

parts	<b>parameter</b>
	element <b>csta:ConsultationCallResponse</b>
source	<pre>&lt;message name="consultationCallResponse"&gt;   &lt;part name="parameter" element="csta:ConsultationCallResponse"/&gt; &lt;/message&gt;</pre>

message **deflectCall**

parts	<b>parameter</b>
	element <b>csta:DeflectCall</b>
source	<pre>&lt;message name="deflectCall"&gt;   &lt;part name="parameter" element="csta:DeflectCall"/&gt; &lt;/message&gt;</pre>

message **deflectCallResponse**

parts	<b>parameter</b>
	element <b>csta:DeflectCallResponse</b>
source	<pre>&lt;message name="deflectCallResponse"&gt;   &lt;part name="parameter" element="csta:DeflectCallResponse"/&gt; &lt;/message&gt;</pre>

message **dialDigits**

parts	<b>parameter</b>
	element <b>csta:DialDigits</b>
source	<pre>&lt;message name="dialDigits"&gt;   &lt;part name="parameter" element="csta:DialDigits"/&gt; &lt;/message&gt;</pre>

message **dialDigitsResponse**

parts	<b>parameter</b>
	element <b>csta:DialDigitsResponse</b>
source	<pre>&lt;message name="dialDigitsResponse"&gt;   &lt;part name="parameter" element="csta:DialDigitsResponse"/&gt; &lt;/message&gt;</pre>

message **directedPickupCall**

parts	<b>parameter</b>
	element <b>csta:DirectedPickupCall</b>
source	<pre>&lt;message name="directedPickupCall"&gt;   &lt;part name="parameter" element="csta:DirectedPickupCall"/&gt; &lt;/message&gt;</pre>

message **directedPickupCallResponse**

parts	<b>parameter</b>
	element <b>csta:DirectedPickupCallResponse</b>
source	<pre>&lt;message name="directedPickupCallResponse"&gt;   &lt;part name="parameter" element="csta:DirectedPickupCallResponse"/&gt; &lt;/message&gt;</pre>

message **groupPickupCall**

parts	<b>parameter</b>
	element <b>csta:GroupPickupCall</b>
source	<pre>&lt;message name="groupPickupCall"&gt;   &lt;part name="parameter" element="csta:GroupPickupCall"/&gt; &lt;/message&gt;</pre>

message **groupPickupCallResponse**

parts	<b>parameter</b>
	element <b>csta:GroupPickupCallResponse</b>
source	<pre>&lt;message name="groupPickupCallResponse"&gt;   &lt;part name="parameter" element="csta:GroupPickupCallResponse"/&gt; &lt;/message&gt;</pre>

message **holdCall**

parts	<b>parameter</b>
	element <b>csta:HoldCall</b>
source	<pre>&lt;message name="holdCall"&gt;   &lt;part name="parameter" element="csta:HoldCall"/&gt; &lt;/message&gt;</pre>

message **holdCallResponse**

parts	<b>parameter</b>
	element <b>csta:HoldCallResponse</b>
source	<pre>&lt;message name="holdCallResponse"&gt;   &lt;part name="parameter" element="csta:HoldCallResponse"/&gt; &lt;/message&gt;</pre>

message **intrudeCall**

parts	<b>parameter</b>
	element <b>csta:IntrudeCall</b>
source	<pre>&lt;message name="intrudeCall"&gt;   &lt;part name="parameter" element="csta:IntrudeCall"/&gt; &lt;/message&gt;</pre>

message **intrudeCallResponse**

parts	<b>parameter</b>
	element <b>csta:IntrudeCallResponse</b>
source	<pre>&lt;message name="intrudeCallResponse"&gt;   &lt;part name="parameter" element="csta:IntrudeCallResponse"/&gt; &lt;/message&gt;</pre>

message **joinCall**

parts	<b>parameter</b>
	element <b>csta:JoinCall</b>
source	<pre>&lt;message name="joinCall"&gt;   &lt;part name="parameter" element="csta:JoinCall"/&gt; &lt;/message&gt;</pre>

message **joinCallResponse**

parts	<b>parameter</b>
	element <b>csta:JoinCallResponse</b>
source	<pre>&lt;message name="joinCallResponse"&gt;   &lt;part name="parameter" element="csta:JoinCallResponse"/&gt; &lt;/message&gt;</pre>

message **makeCall**

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

message **makeCallResponse**

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

message **makeConnection**

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

message **makeConnectionResponse**

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

message **makePredictiveCall**

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

message **makePredictiveCallResponse**

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

message **parkCall**

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

message **parkCallResponse**

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

message **reconnectCall**

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

message **reconnectCallResponse**

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

message **retrieveCall**

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

message **retrieveCallResponse**

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

message **sendMessage**

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

message **sendMessageResponse**

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

message **singleStepConferenceCall**

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

message **singleStepConferenceCallResponse**

parts	<b>parameter</b>
	element <b>csta:SingleStepConferenceCallResponse</b>
source	<pre>&lt;message name="singleStepConferenceCallResponse"&gt;   &lt;part name="parameter" element="csta:SingleStepConferenceCallResponse"/&gt; &lt;/message&gt;</pre>

message **singleStepTransferCall**

parts	<b>parameter</b>
	element <b>csta:SingleStepTransferCall</b>
source	<pre>&lt;message name="singleStepTransferCall"&gt;   &lt;part name="parameter" element="csta:SingleStepTransferCall"/&gt; &lt;/message&gt;</pre>

message **singleStepTransferCallResponse**

parts	<b>parameter</b>
	element <b>csta:SingleStepTransferCallResponse</b>
source	<pre>&lt;message name="singleStepTransferCallResponse"&gt;   &lt;part name="parameter" element="csta:SingleStepTransferCallResponse"/&gt; &lt;/message&gt;</pre>

message **transferCall**

parts	<b>parameter</b>
	element <b>csta:TransferCall</b>
source	<pre>&lt;message name="transferCall"&gt;   &lt;part name="parameter" element="csta:TransferCall"/&gt; &lt;/message&gt;</pre>

message **transferCallResponse**

parts	<b>parameter</b>
	element <b>csta:TransferCallResponse</b>
source	<pre>&lt;message name="transferCallResponse"&gt;   &lt;part name="parameter" element="csta:TransferCallResponse"/&gt; &lt;/message&gt;</pre>

message **bridgedEvent**

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

message **callClearedEvent**

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

message **conferencedEvent**

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

message **connectionClearedEvent**

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

message **deliveredEvent**

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

message **digitsDialedEvent**

parts	<b>parameter</b>
	element <b>csta:DigitsDialedEvent</b>
source	<pre>&lt;message name="digitsDialedEvent"&gt;   &lt;part name="parameter" element="csta:DigitsDialedEvent"/&gt; &lt;/message&gt;</pre>

message **divertedEvent**

parts	<b>parameter</b>
	element <b>csta:DivertedEvent</b>
source	<pre>&lt;message name="divertedEvent"&gt;   &lt;part name="parameter" element="csta:DivertedEvent"/&gt; &lt;/message&gt;</pre>

message **establishedEvent**

parts	<b>parameter</b>
	element <b>csta:EstablishedEvent</b>
source	<pre>&lt;message name="establishedEvent"&gt;   &lt;part name="parameter" element="csta:EstablishedEvent"/&gt; &lt;/message&gt;</pre>

message **failedEvent**

parts	<b>parameter</b>
	element <b>csta:FailedEvent</b>
source	<pre>&lt;message name="failedEvent"&gt;   &lt;part name="parameter" element="csta:FailedEvent"/&gt; &lt;/message&gt;</pre>

message **heldEvent**

parts	<b>parameter</b>
	element <b>csta:HeldEvent</b>
source	<pre>&lt;message name="heldEvent"&gt;   &lt;part name="parameter" element="csta:HeldEvent"/&gt; &lt;/message&gt;</pre>

message **networkCapabilitiesChangedEvent**

parts	<b>parameter</b>
	element <b>csta:NetworkCapabilitiesChangedEvent</b>
source	<code>&lt;message name="networkCapabilitiesChangedEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:NetworkCapabilitiesChangedEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **networkReachedEvent**

parts	<b>parameter</b>
	element <b>csta:NetworkReachedEvent</b>
source	<code>&lt;message name="networkReachedEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:NetworkReachedEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **offeredEvent**

parts	<b>parameter</b>
	element <b>csta:OfferedEvent</b>
source	<code>&lt;message name="offeredEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:OfferedEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **originatedEvent**

parts	<b>parameter</b>
	element <b>csta:OriginatedEvent</b>
source	<code>&lt;message name="originatedEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:OriginatedEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **queuedEvent**

parts	<b>parameter</b>
	element <b>csta:QueuedEvent</b>
source	<code>&lt;message name="queuedEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:QueuedEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **retrievedEvent**

parts	<b>parameter</b>
	element <b>csta:RetrievedEvent</b>
source	<code>&lt;message name="retrievedEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:RetrievedEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **serviceInitiatedEvent**

parts	<b>parameter</b>
	element <b>csta:ServiceInitiatedEvent</b>
source	<code>&lt;message name="serviceInitiatedEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:ServiceInitiatedEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **transferredEvent**

parts	<b>parameter</b>
	element <b>csta:TransferredEvent</b>
source	<code>&lt;message name="transferredEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:TransferredEvent"/&gt;</code> <code>&lt;/message&gt;</code>

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 18450:2013

## 11.2 Operations

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

**CSTA-Consultation-Call**

input [tns:consultationCall](#)  
 output [tns:consultationCallResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Deflect-Call**

input [tns:deflectCall](#)  
 output [tns:deflectCallResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Dial-Digits-Call**

input [tns:dialDigits](#)  
 output [tns:dialDigitsResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Directed-Pickup-Call**

input [tns:directedPickupCall](#)  
 output [tns:directedPickupCallResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Group-Pickup-Call**

input [tns:groupPickupCall](#)  
 output [tns:groupPickupCallResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Hold-Call**

input [tns:holdCall](#)  
 output [tns:holdCallResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Intrude-Call**

input [tns:intrudeCall](#)  
 output [tns:intrudeCallResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Join-Call**

input [tns:joinCall](#)  
 output [tns:joinCallResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Make-Call**

input [tns:makeCall](#)  
 output [tns:makeCallResponse](#)  
 fault [tns:negResponse](#)

STANDARDSISO.COM: Click to view the full PDF of ISO/IEC 18450:2013

**CSTA-Make-Connection**

input [tns:makeConnection](#)  
 output [tns:makeConnectionResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Park-Call**

input [tns:parkCall](#)  
 output [tns:parkCallResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Reconnect-Call**

input [tns:reconnectCall](#)  
 output [tns:reconnectCallResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Retrieve-Call**

input [tns:retrieveCall](#)  
 output [tns:retrieveCallResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Send-Message**

input [tns:sendMessage](#)  
 output [tns:sendMessageResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Single-Step-Conference-Call**

input [tns:singleStepConferenceCall](#)  
 output [tns:singleStepConferenceCallResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Single-Step-Transfer-Call**

input [tns:singleStepTransferCall](#)  
 output [tns:singleStepTransferCallResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Transfer-Call**

input [tns:transferCall](#)  
 output [tns:transferCallResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Bridged-event**

input [tns:bridgedEvent](#)

**CSTA-Call-Cleared-event**

input [tns:callClearedEvent](#)

**CSTA-Conferenced-event**

input [tns:conferencedEvent](#)

**CSTA-Connection-Cleared-event**

input [tns:connectionClearedEvent](#)

**CSTA-Delivered-event**

input [tns:deliveredEvent](#)

**CSTA-Digits-Dialed-event**

input [tns:digitsDialedEvent](#)

**CSTA-Diverted-event**

input [tns:divertedEvent](#)

**CSTA-Established-event**

input [tns:establishedEvent](#)

**CSTA-Failed-event**

input [tns:failedEvent](#)

**CSTA-Held-event**

input [tns:heldEvent](#)

**CSTA-Network-Capabilities-Changed-event**

input [tns:networkCapabilitiesChangedEvent](#)

**CSTA-Network-Reached-event**

input [tns:networkReachedEvent](#)

**CSTA-Offered-event**

input [tns:offeredEvent](#)

**CSTA-Originated-event**

input [tns:originatedEvent](#)

**CSTA-Queued-event**

input [tns:queuedEvent](#)

**CSTA-Retrieved-event**

input [tns:retrievedEvent](#)

**CSTA-Service-Initiated-event**

input [tns:serviceInitiatedEvent](#)

**CSTA-Transferred-event**

source

```

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

```

```

    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Consultation-Call">
    <input message="tns:consultationCall"/>
    <output message="tns:consultationCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Deflect-Call">
    <input message="tns:deflectCall"/>
    <output message="tns:deflectCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Dial-Digits-Call">
    <input message="tns:dialDigits"/>
    <output message="tns:dialDigitsResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Directed-Pickup-Call">
    <input message="tns:directedPickupCall"/>
    <output message="tns:directedPickupCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Group-Pickup-Call">
    <input message="tns:groupPickupCall"/>
    <output message="tns:groupPickupCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Hold-Call">
    <input message="tns:holdCall"/>
    <output message="tns:holdCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Intrude-Call">
    <input message="tns:intrudeCall"/>
    <output message="tns:intrudeCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Join-Call">
    <input message="tns:joinCall"/>
    <output message="tns:joinCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Make-Call">
    <input message="tns:makeCall"/>
    <output message="tns:makeCallResponse"/>

```

STANDARDSDISO.COM: Click to view the full PDF of ISO/IEC 18450:2013

```

    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Make-Connection">
    <input message="tns:makeConnection"/>
    <output message="tns:makeConnectionResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Make-Predictive-Call">
    <input message="tns:makePredictiveCall"/>
    <output message="tns:makePredictiveCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Park-Call">
    <input message="tns:parkCall"/>
    <output message="tns:parkCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Reconnect-Call">
    <input message="tns:reconnectCall"/>
    <output message="tns:reconnectCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Retrieve-Call">
    <input message="tns:retrieveCall"/>
    <output message="tns:retrieveCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Send-Message">
    <input message="tns:sendMessage"/>
    <output message="tns:sendMessageResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Single-Step-Conference-Call">
    <input message="tns:singleStepConferenceCall"/>
    <output message="tns:singleStepConferenceCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Single-Step-Transfer-Call">
    <input message="tns:singleStepTransferCall"/>
    <output message="tns:singleStepTransferCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Transfer-Call">
    <input message="tns:transferCall"/>
    <output message="tns:transferCallResponse"/>

```

```

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

```

```

    <input message="tns:queuedEvent"/>
  </operation>
  <operation name="CSTA-Retrieved-event">
    <input message="tns:retrievedEvent"/>
  </operation>
  <operation name="CSTA-Service-Initiated-event">
    <input message="tns:serviceInitiatedEvent"/>
  </operation>
  <operation name="CSTA-Transferred-event">
    <input message="tns:transferredEvent"/>
  </operation>

```

## 12 Call Associated Features - Messages and Operations

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

### 12.1 Messages

#### message associateData

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

#### message associateDataResponse

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

#### message cancelTelephonyTones

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

message **cancelTelephonyTonesResponse**

parts	<b>parameter</b>
	element <b>csta:CancelTelephonyTonesResponse</b>
source	<code>&lt;message name="cancelTelephonyTonesResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:CancelTelephonyTonesResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **changeConnectionInformation**

parts	<b>parameter</b>
	element <b>csta:ChangeConnectionInformation</b>
source	<code>&lt;message name="changeConnectionInformation"&gt;</code> <code>&lt;part name="parameter" element="csta:ChangeConnectionInformation"/&gt;</code> <code>&lt;/message&gt;</code>

message **changeConnectionInformationResponse**

parts	<b>parameter</b>
	element <b>csta:ChangeConnectionInformationResponse</b>
source	<code>&lt;message name="changeConnectionInformationResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:ChangeConnectionInformationResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **generateDigits**

parts	<b>parameter</b>
	element <b>csta:GenerateDigits</b>
source	<code>&lt;message name="generateDigits"&gt;</code> <code>&lt;part name="parameter" element="csta:GenerateDigits"/&gt;</code> <code>&lt;/message&gt;</code>

message **generateDigitsResponse**

parts	<b>parameter</b>
	element <b>csta:GenerateDigitsResponse</b>
source	<code>&lt;message name="generateDigitsResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GenerateDigitsResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **generateTelephonyTones**

parts	<b>parameter</b>
	element <b>csta:GenerateTelephonyTones</b>
source	<pre>&lt;message name="generateTelephonyTones"&gt;   &lt;part name="parameter" element="csta:GenerateTelephonyTones"/&gt; &lt;/message&gt;</pre>

message **generateTelephonyTonesResponse**

parts	<b>parameter</b>
	element <b>csta:GenerateTelephonyTonesResponse</b>
source	<pre>&lt;message name="generateTelephonyTonesResponse"&gt;   &lt;part name="parameter" element="csta:GenerateTelephonyTonesResponse"/&gt; &lt;/message&gt;</pre>

message **sendUserInformation**

parts	<b>parameter</b>
	element <b>csta:SendUserInformation</b>
source	<pre>&lt;message name="sendUserInformation"&gt;   &lt;part name="parameter" element="csta:SendUserInformation"/&gt; &lt;/message&gt;</pre>

message **sendUserInformationResponse**

parts	<b>parameter</b>
	element <b>csta:SendUserInformationResponse</b>
source	<pre>&lt;message name="sendUserInformationResponse"&gt;   &lt;part name="parameter" element="csta:SendUserInformationResponse"/&gt; &lt;/message&gt;</pre>

message **callInformationEvent**

parts	<b>parameter</b>
	element <b>csta:CallInformationEvent</b>
source	<pre>&lt;message name="callInformationEvent"&gt;   &lt;part name="parameter" element="csta:CallInformationEvent"/&gt; &lt;/message&gt;</pre>

message **chargingEvent**

parts	<b>parameter</b>
	element <b>csta:ChargingEvent</b>
source	<pre>&lt;message name="chargingEvent"&gt;   &lt;part name="parameter" element="csta:ChargingEvent"/&gt; &lt;/message&gt;</pre>

message **digitsGeneratedEvent**

parts	<b>parameter</b>
	element <b>csta:DigitsGeneratedEvent</b>
source	<pre>&lt;message name="digitsGeneratedEvent"&gt;   &lt;part name="parameter" element="csta:DigitsGeneratedEvent"/&gt; &lt;/message&gt;</pre>

message **telephonyTonesGeneratedEvent**

parts	<b>parameter</b>
	element <b>csta:TelephonyTonesGeneratedEvent</b>
source	<pre>&lt;message name="telephonyTonesGeneratedEvent"&gt;   &lt;part name="parameter" element="csta:TelephonyTonesGeneratedEvent"/&gt; &lt;/message&gt;</pre>

message **serviceCompletionFailureEvent**

parts	<b>parameter</b>
	element <b>csta:ServiceCompletionFailureEvent</b>
source	<pre>&lt;message name="serviceCompletionFailureEvent"&gt;   &lt;part name="parameter" element="csta:ServiceCompletionFailureEvent"/&gt; &lt;/message&gt;</pre>

## 12.2 Operations

operations

### CSTA-Associate-Data

input [tns:associateData](#)  
 output [tns:associateDataResponse](#)  
 fault [tns:negResponse](#)

### CSTA-Cancel-Telephony-Tones

input [tns:cancelTelephonyTones](#)  
 output [tns:cancelTelephonyTonesResponse](#)  
 fault [tns:negResponse](#)

### CSTA-Change-Connection-Information

input [tns:changeConnectionInformation](#)  
 output [tns:changeConnectionInformationResponse](#)  
 fault [tns:negResponse](#)

### CSTA-Generate-Digits

input [tns:generateDigits](#)  
 output [tns:generateDigitsResponse](#)  
 fault [tns:negResponse](#)

### CSTA-Generate-Telephony-Tones

input [tns:generateTelephonyTones](#)  
 output [tns:generateTelephonyTonesResponse](#)  
 fault [tns:negResponse](#)

### CSTA-Send-User-Information

input [tns:sendUserInformation](#)  
 output [tns:sendUserInformationResponse](#)  
 fault [tns:negResponse](#)

### CSTA-Call-Information-event

input [tns:callInformationEvent](#)

### CSTA-Charging-event

input [tns:chargingEvent](#)

### CSTA-Digits-Generated-event

input [tns:digitsGeneratedEvent](#)

### CSTA-Telephony-Tones-Generated-event

input [tns:telephonyTonesGeneratedEvent](#)

### CSTA-Service-Completion-Failure-event

input [tns:serviceCompletionFailureEvent](#)

```

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

```

## 13 Media Attachment Features - Messages and Operations

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

### 13.1 Messages

#### message **attachMediaService**

```

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

```

#### message **attachMediaServiceResponse**

```

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

```

#### message **detachMediaService**

```

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

```

#### message **detachMediaServiceResponse**

```

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

```

message **mediaAttachedEvent**

parts	<b>parameter</b>
	element <b>csta:MediaAttachedEvent</b>
source	<code>&lt;message name="mediaAttachedEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:MediaAttachedEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **mediaDetachedEvent**

parts	<b>parameter</b>
	element <b>csta:MediaDetachedEvent</b>
source	<code>&lt;message name="mediaDetachedEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:MediaDetachedEvent"/&gt;</code> <code>&lt;/message&gt;</code>

## 13.2 Operations

operations	<b>CSTA-Attach-Media-Service</b>
	input <a href="#">tns:attachMediaService</a>
	output <a href="#">tns:attachMediaServiceResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Detach-Media-Service</b>
	input <a href="#">tns:detachMediaService</a>
	output <a href="#">tns:detachMediaServiceResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Media-Attached-Event</b>
	input <a href="#">tns:mediaAttachedEvent</a>
	<b>CSTA-Media-Detached-Event</b>
	input <a href="#">tns:mediaDetachedEvent</a>

```

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

```

## 14 Routeing Features - Messages and Operations

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

### 14.1 Messages

#### message routeRegister

```

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

```

#### message routeRegisterResponse

```

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

```

message **routeRegisterAbort**

parts	<b>parameter</b>
	element <b>csta:RouteRegisterAbort</b>
source	<pre>&lt;message name="routeRegisterAbort"&gt;   &lt;part name="parameter" element="csta:RouteRegisterAbort"/&gt; &lt;/message&gt;</pre>

message **routeRegisterCancel**

parts	<b>parameter</b>
	element <b>csta:RouteRegisterCancel</b>
source	<pre>&lt;message name="routeRegisterCancel"&gt;   &lt;part name="parameter" element="csta:RouteRegisterCancel"/&gt; &lt;/message&gt;</pre>

message **routeRegisterCancelResponse**

parts	<b>parameter</b>
	element <b>csta:RouteRegisterCancelResponse</b>
source	<pre>&lt;message name="routeRegisterCancelResponse"&gt;   &lt;part name="parameter" element="csta:RouteRegisterCancelResponse"/&gt; &lt;/message&gt;</pre>

message **reRoute**

parts	<b>parameter</b>
	element <b>csta:ReRoute</b>
source	<pre>&lt;message name="reRoute"&gt;   &lt;part name="parameter" element="csta:ReRoute"/&gt; &lt;/message&gt;</pre>

message **routeEnd**

parts	<b>parameter</b>
	element <b>csta:RouteEnd</b>
source	<pre>&lt;message name="routeEnd"&gt;   &lt;part name="parameter" element="csta:RouteEnd"/&gt; &lt;/message&gt;</pre>

message **routeReject**

parts	<b>parameter</b>
	element <b>csta:RouteReject</b>
source	<code>&lt;message name="routeReject"&gt;</code> <code>&lt;part name="parameter" element="csta:RouteReject"/&gt;</code> <code>&lt;/message&gt;</code>

message **routeRequest**

parts	<b>parameter</b>
	element <b>csta:RouteRequest</b>
source	<code>&lt;message name="routeRequest"&gt;</code> <code>&lt;part name="parameter" element="csta:RouteRequest"/&gt;</code> <code>&lt;/message&gt;</code>

message **routeSelect**

parts	<b>parameter</b>
	element <b>csta:RouteSelect</b>
source	<code>&lt;message name="routeSelect"&gt;</code> <code>&lt;part name="parameter" element="csta:RouteSelect"/&gt;</code> <code>&lt;/message&gt;</code>

message **routeUsed**

parts	<b>parameter</b>
	element <b>csta:RouteUsed</b>
source	<code>&lt;message name="routeUsed"&gt;</code> <code>&lt;part name="parameter" element="csta:RouteUsed"/&gt;</code> <code>&lt;/message&gt;</code>

14.2 Operations

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

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 18450:2013

```

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

```

## 15 Physical Device Features - Messages and Operations

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

### 15.1 Messages

message **buttonPress**

```

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

```

message **buttonPressResponse**

```

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

```

message **getAuditoryApparatusInformation**

```

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

message **getAuditoryApparatusInformationResponse**

```

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

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	<b>parameter</b>
	element <b>csta:GetDisplayResponse</b>
source	<code>&lt;message name="getDisplayResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetDisplayResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getHookswitchStatus**

parts	<b>parameter</b>
	element <b>csta:GetHookswitchStatus</b>
source	<code>&lt;message name="getHookswitchStatus"&gt;</code> <code>&lt;part name="parameter" element="csta:GetHookswitchStatus"/&gt;</code> <code>&lt;/message&gt;</code>

message **getHookswitchStatusResponse**

parts	<b>parameter</b>
	element <b>csta:GetHookswitchStatusResponse</b>
source	<code>&lt;message name="getHookswitchStatusResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetHookswitchStatusResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getLampInformation**

parts	<b>parameter</b>
	element <b>csta:GetLampInformation</b>
source	<code>&lt;message name="getLampInformation"&gt;</code> <code>&lt;part name="parameter" element="csta:GetLampInformation"/&gt;</code> <code>&lt;/message&gt;</code>

message **getLampInformationResponse**

parts	<b>parameter</b>
	element <b>csta:GetLampInformationResponse</b>
source	<code>&lt;message name="getLampInformationResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetLampInformationResponse"/&gt;</code> <code>&lt;/message&gt;</code>

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	<b>parameter</b>
	element <b>csta:GetMicrophoneGainResponse</b>
source	<code>&lt;message name="getMicrophoneGainResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetMicrophoneGainResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getMicrophoneMute**

parts	<b>parameter</b>
	element <b>csta:GetMicrophoneMute</b>
source	<code>&lt;message name="getMicrophoneMute"&gt;</code> <code>&lt;part name="parameter" element="csta:GetMicrophoneMute"/&gt;</code> <code>&lt;/message&gt;</code>

message **getMicrophoneMuteResponse**

parts	<b>parameter</b>
	element <b>csta:GetMicrophoneMuteResponse</b>
source	<code>&lt;message name="getMicrophoneMuteResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetMicrophoneMuteResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getRingerStatus**

parts	<b>parameter</b>
	element <b>csta:GetRingerStatus</b>
source	<code>&lt;message name="getRingerStatus"&gt;</code> <code>&lt;part name="parameter" element="csta:GetRingerStatus"/&gt;</code> <code>&lt;/message&gt;</code>

message **getRingerStatusResponse**

parts	<b>parameter</b>
	element <b>csta:GetRingerStatusResponse</b>
source	<code>&lt;message name="getRingerStatusResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetRingerStatusResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getSpeakerMute**

parts	<b>parameter</b>
	element <b>csta:GetSpeakerMute</b>
source	<code>&lt;message name="getSpeakerMute"&gt;</code> <code>&lt;part name="parameter" element="csta:GetSpeakerMute"/&gt;</code> <code>&lt;/message&gt;</code>

message **getSpeakerMuteResponse**

parts	<b>parameter</b>
	element <b>csta:GetSpeakerMuteResponse</b>
source	<code>&lt;message name="getSpeakerMuteResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetSpeakerMuteResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getSpeakerVolume**

parts	<b>parameter</b>
	element <b>csta:GetSpeakerVolume</b>
source	<code>&lt;message name="getSpeakerVolume"&gt;</code> <code>&lt;part name="parameter" element="csta:GetSpeakerVolume"/&gt;</code> <code>&lt;/message&gt;</code>

message **getSpeakerVolumeResponse**

parts	<b>parameter</b>
	element <b>csta:GetSpeakerVolumeResponse</b>
source	<code>&lt;message name="getSpeakerVolumeResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetSpeakerVolumeResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setButtonInformation**

parts	<b>parameter</b>
	element <b>csta:SetButtonInformation</b>
source	<code>&lt;message name="setButtonInformation"&gt;</code> <code>&lt;part name="parameter" element="csta:SetButtonInformation"/&gt;</code> <code>&lt;/message&gt;</code>

message **setButtonInformationResponse**

parts	<b>parameter</b>
	element <b>csta:SetButtonInformationResponse</b>
source	<code>&lt;message name="setButtonInformationResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetButtonInformationResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setDisplay**

parts	<b>parameter</b>
	element <b>csta:SetDisplay</b>
source	<code>&lt;message name="setDisplay"&gt;</code> <code>&lt;part name="parameter" element="csta:SetDisplay"/&gt;</code> <code>&lt;/message&gt;</code>

message **setDisplayResponse**

parts	<b>parameter</b>
	element <b>csta:SetDisplayResponse</b>
source	<code>&lt;message name="setDisplayResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetDisplayResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setHookswitchStatus**

parts	<b>parameter</b>
	element <b>csta:SetHookswitchStatus</b>
source	<code>&lt;message name="setHookswitchStatus"&gt;</code> <code>&lt;part name="parameter" element="csta:SetHookswitchStatus"/&gt;</code> <code>&lt;/message&gt;</code>

message **setHookswitchStatusResponse**

parts	<b>parameter</b>
	element <b>csta:SetHookswitchStatusResponse</b>
source	<code>&lt;message name="setHookswitchStatusResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetHookswitchStatusResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setLampMode**

parts	<b>parameter</b>
	element <b>csta:SetLampMode</b>
source	<code>&lt;message name="setLampMode"&gt;</code> <code>&lt;part name="parameter" element="csta:SetLampMode"/&gt;</code> <code>&lt;/message&gt;</code>

message **setLampModeResponse**

parts	<b>parameter</b>
	element <b>csta:SetLampModeResponse</b>
source	<code>&lt;message name="setLampModeResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetLampModeResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setMessageWaitingIndicator**

parts	<b>parameter</b>
	element <b>csta:SetMessageWaitingIndicator</b>
source	<code>&lt;message name="setMessageWaitingIndicator"&gt;</code> <code>&lt;part name="parameter" element="csta:SetMessageWaitingIndicator"/&gt;</code> <code>&lt;/message&gt;</code>

message **setMessageWaitingIndicatorResponse**

parts	<b>parameter</b>
	element <b>csta:SetMessageWaitingIndicatorResponse</b>
source	<code>&lt;message name="setMessageWaitingIndicatorResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetMessageWaitingIndicatorResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setMicrophoneGain**

parts	<b>parameter</b>
	element <b>csta:SetMicrophoneGain</b>
source	<code>&lt;message name="setMicrophoneGain"&gt;</code> <code>&lt;part name="parameter" element="csta:SetMicrophoneGain"/&gt;</code> <code>&lt;/message&gt;</code>

message **setMicrophoneGainResponse**

parts	<b>parameter</b>
	element <b>csta:SetMicrophoneGainResponse</b>
source	<code>&lt;message name="setMicrophoneGainResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetMicrophoneGainResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setMicrophoneMute**

parts	<b>parameter</b>
	element <b>csta:SetMicrophoneMute</b>
source	<code>&lt;message name="setMicrophoneMute"&gt;</code> <code>&lt;part name="parameter" element="csta:SetMicrophoneMute"/&gt;</code> <code>&lt;/message&gt;</code>

message **setMicrophoneMuteResponse**

parts	<b>parameter</b>
	element <b>csta:SetMicrophoneMuteResponse</b>
source	<code>&lt;message name="setMicrophoneMuteResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetMicrophoneMuteResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setRingerStatus**

parts	<b>parameter</b>
	element <b>csta:SetRingerStatus</b>
source	<code>&lt;message name="setRingerStatus"&gt;</code> <code>&lt;part name="parameter" element="csta:SetRingerStatus"/&gt;</code> <code>&lt;/message&gt;</code>

message **setRingerStatusResponse**

parts	<b>parameter</b>
	element <b>csta:SetRingerStatusResponse</b>
source	<code>&lt;message name="setRingerStatusResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetRingerStatusResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setSpeakerMute**

parts	<b>parameter</b>
	element <b>csta:SetSpeakerMute</b>
source	<code>&lt;message name="setSpeakerMute"&gt;</code> <code>&lt;part name="parameter" element="csta:SetSpeakerMute"/&gt;</code> <code>&lt;/message&gt;</code>

message **setSpeakerMuteResponse**

parts	<b>parameter</b>
	element <b>csta:SetSpeakerMuteResponse</b>
source	<code>&lt;message name="setSpeakerMuteResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetSpeakerMuteResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setSpeakerVolume**

parts	<b>parameter</b>
	element <b>csta:SetSpeakerVolume</b>
source	<code>&lt;message name="setSpeakerVolume"&gt;</code> <code>&lt;part name="parameter" element="csta:SetSpeakerVolume"/&gt;</code> <code>&lt;/message&gt;</code>

message **setSpeakerVolumeResponse**

parts	<b>parameter</b>
	element <b>csta:SetSpeakerVolumeResponse</b>
source	<code>&lt;message name="setSpeakerVolumeResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetSpeakerVolumeResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **buttonInformationEvent**

parts	<b>parameter</b>
	element <b>csta:ButtonInformationEvent</b>
source	<code>&lt;message name="buttonInformationEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:ButtonInformationEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **buttonPressEvent**

parts	<b>parameter</b>
	element <b>csta:ButtonPressEvent</b>
source	<code>&lt;message name="buttonPressEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:ButtonPressEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **displayUpdatedEvent**

parts	<b>parameter</b>
	element <b>csta:DisplayUpdatedEvent</b>
source	<code>&lt;message name="displayUpdatedEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:DisplayUpdatedEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **hookswitchEvent**

parts	<b>parameter</b>
	element <b>csta:HookswitchEvent</b>
source	<code>&lt;message name="hookswitchEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:HookswitchEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **lampModeEvent**

parts	<b>parameter</b>
	element <b>csta:LampModeEvent</b>
source	<code>&lt;message name="lampModeEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:LampModeEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **messageWaitingEvent**

parts	<b>parameter</b>
	element <b>csta:MessageWaitingEvent</b>
source	<code>&lt;message name="messageWaitingEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:MessageWaitingEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **microphoneGainEvent**

parts	<b>parameter</b>
	element <b>csta:MicrophoneGainEvent</b>
source	<code>&lt;message name="microphoneGainEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:MicrophoneGainEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **microphoneMuteEvent**

parts	<b>parameter</b>
	element <b>csta:MicrophoneMuteEvent</b>
source	<code>&lt;message name="microphoneMuteEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:MicrophoneMuteEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **ringerStatusEvent**

parts	<b>parameter</b>
	element <b>csta:RingerStatusEvent</b>
source	<code>&lt;message name="ringerStatusEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:RingerStatusEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **speakerMuteEvent**

parts	<b>parameter</b>
	element <b>csta:SpeakerMuteEvent</b>
source	<code>&lt;message name="speakerMuteEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:SpeakerMuteEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **speakerVolumeEvent**

parts	<b>parameter</b>
	element <b>csta:SpeakerVolumeEvent</b>
source	<code>&lt;message name="speakerVolumeEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:SpeakerVolumeEvent"/&gt;</code> <code>&lt;/message&gt;</code>

## 15.2 Operations

operations	<p><b>CSTA-Button-Press</b></p> <p>input <a href="#">tns:buttonPress</a></p> <p>output <a href="#">tns:buttonPressResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Get-Auditory-Apparatus-Information</b></p> <p>input <a href="#">tns:getAuditoryApparatusInformation</a></p> <p>output <a href="#">tns:getAuditoryApparatusInformationResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Get-Button-Information</b></p> <p>input <a href="#">tns:getButtonInformation</a></p> <p>output <a href="#">tns:getButtonInformationResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Get-Display</b></p> <p>input <a href="#">tns:getDisplay</a></p> <p>output <a href="#">tns:getDisplayResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Get-Hookswitch-Status</b></p> <p>input <a href="#">tns:getHookswitchStatus</a></p> <p>output <a href="#">tns:getHookswitchStatusResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Get-Lamp-Information</b></p> <p>input <a href="#">tns:getLampInformation</a></p> <p>output <a href="#">tns:getLampInformationResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Get-Lamp-Mode</b></p> <p>input <a href="#">tns:getLampMode</a></p> <p>output <a href="#">tns:getLampModeResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Get-Message-Waiting-Indicator</b></p> <p>input <a href="#">tns:getMessageWaitingIndicator</a></p> <p>output <a href="#">tns:getMessageWaitingIndicatorResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Get-Microphone-Gain</b></p> <p>input <a href="#">tns:getMicrophoneGain</a></p> <p>output <a href="#">tns:getMicrophoneGainResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p>
------------	--

**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](#)

STANDARD.SISO.COM : Click to view the full PDF of ISO/IEC 18450:2013

**CSTA-Set-Microphone-Gain**

input [tns:setMicrophoneGain](#)  
output [tns:setMicrophoneGainResponse](#)  
fault [tns:negResponse](#)

**CSTA-Set-Microphone-Mute**

input [tns:setMicrophoneMute](#)  
output [tns:setMicrophoneMuteResponse](#)  
fault [tns:negResponse](#)

**CSTA-Set-Ringer-Status**

input [tns:setRingerStatus](#)  
output [tns:setRingerStatusResponse](#)  
fault [tns:negResponse](#)

**CSTA-Set-Speaker-Mute**

input [tns:setSpeakerMute](#)  
output [tns:setSpeakerMuteResponse](#)  
fault [tns:negResponse](#)

**CSTA-Set-Speaker-Volume**

input [tns:setSpeakerVolume](#)  
output [tns:setSpeakerVolumeResponse](#)  
fault [tns:negResponse](#)

**CSTA-Button-Information-Event**

input [tns:buttonInformationEvent](#)

**CSTA-Button-Press-Event**

input [tns:buttonPressEvent](#)

**CSTA-Display-Updated-Event**

input [tns:displayUpdatedEvent](#)

**CSTA-Hookswitch-Event**

input [tns:hookswitchEvent](#)

**CSTA-Lamp-Mode-Event**

input [tns:lampModeEvent](#)

**CSTA-Message-Waiting-Event**

input [tns:messageWaitingEvent](#)

**CSTA-Microphone-Gain-Event**

input [tns:microphoneGainEvent](#)

**CSTA-Microphone-Mute-Event**

input [tns:microphoneMuteEvent](#)

**CSTA-Ringer-Status-Event**

input [tns:ringerStatusEvent](#)

**CSTA-Speaker-Mute-Event**

input [tns:speakerMuteEvent](#)

**CSTA-Speaker-Volume-Event**

input [tns:speakerVolumeEvent](#)

source

```

<operation name="CSTA-Button-Press">
  <input message="tns:buttonPress"/>
  <output message="tns:buttonPressResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Auditory-Apparatus-Information">
  <input message="tns:getAuditoryApparatusInformation"/>
  <output message="tns:getAuditoryApparatusInformationResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Button-Information">
  <input message="tns:getButtonInformation"/>
  <output message="tns:getButtonInformationResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Display">
  <input message="tns:getDisplay"/>
  <output message="tns:getDisplayResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Hookswitch-Status">
  <input message="tns:getHookswitchStatus"/>
  <output message="tns:getHookswitchStatusResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Lamp-Information">
  <input message="tns:getLampInformation"/>
  <output message="tns:getLampInformationResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>

```



```

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

```

```

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

```

```

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

```

## 16 Logical Device Features - Messages and Operations

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

### 16.1 Messages

message **callBackMessageNonCallRelated**

	parameter
parts	element <b>csta:CallBackMessageNonCallRelated</b>
source	<pre> &lt;message name="callBackMessageNonCallRelated"&gt;   &lt;part name="parameter" element="csta:CallBackMessageNonCallRelated"/&gt; &lt;/message&gt; </pre>

message **callBackMessageNonCallRelatedResponse**

parts	<b>parameter</b>
	element <b>csta:CallBackMessageNonCallRelatedResponse</b>
source	<code>&lt;message name="callBackMessageNonCallRelatedResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:CallBackMessageNonCallRelatedResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **callBackNonCallRelated**

parts	<b>parameter</b>
	element <b>csta:CallBackNonCallRelated</b>
source	<code>&lt;message name="callBackNonCallRelated"&gt;</code> <code>&lt;part name="parameter" element="csta:CallBackNonCallRelated"/&gt;</code> <code>&lt;/message&gt;</code>

message **callBackNonCallRelatedResponse**

parts	<b>parameter</b>
	element <b>csta:CallBackNonCallRelatedResponse</b>
source	<code>&lt;message name="callBackNonCallRelatedResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:CallBackNonCallRelatedResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **cancelCallBack**

parts	<b>parameter</b>
	element <b>csta:CancelCallBack</b>
source	<code>&lt;message name="cancelCallBack"&gt;</code> <code>&lt;part name="parameter" element="csta:CancelCallBack"/&gt;</code> <code>&lt;/message&gt;</code>

message **cancelCallBackResponse**

parts	<b>parameter</b>
	element <b>csta:CancelCallBackResponse</b>
source	<code>&lt;message name="cancelCallBackResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:CancelCallBackResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **cancelCallBackMessage**

parts	<b>parameter</b>
	element <b>csta:CancelCallBackMessage</b>
source	<code>&lt;message name="cancelCallBackMessage"&gt;</code> <code>&lt;part name="parameter" element="csta:CancelCallBackMessage"/&gt;</code> <code>&lt;/message&gt;</code>

message **cancelCallBackMessageResponse**

parts	<b>parameter</b>
	element <b>csta:CancelCallBackMessageResponse</b>
source	<code>&lt;message name="cancelCallBackMessageResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:CancelCallBackMessageResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getAgentState**

parts	<b>parameter</b>
	element <b>csta:GetAgentState</b>
source	<code>&lt;message name="getAgentState"&gt;</code> <code>&lt;part name="parameter" element="csta:GetAgentState"/&gt;</code> <code>&lt;/message&gt;</code>

message **getAgentStateResponse**

parts	<b>parameter</b>
	element <b>csta:GetAgentStateResponse</b>
source	<code>&lt;message name="getAgentStateResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetAgentStateResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getAutoAnswer**

parts	<b>parameter</b>
	element <b>csta:GetAutoAnswer</b>
source	<code>&lt;message name="getAutoAnswer"&gt;</code> <code>&lt;part name="parameter" element="csta:GetAutoAnswer"/&gt;</code> <code>&lt;/message&gt;</code>

message **getAutoAnswerResponse**

parts	<b>parameter</b>
	element <b>csta:GetAutoAnswerResponse</b>
source	<code>&lt;message name="getAutoAnswerResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetAutoAnswerResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getAutoWorkMode**

parts	<b>parameter</b>
	element <b>csta:GetAutoWorkMode</b>
source	<code>&lt;message name="getAutoWorkMode"&gt;</code> <code>&lt;part name="parameter" element="csta:GetAutoWorkMode"/&gt;</code> <code>&lt;/message&gt;</code>

message **getAutoWorkModeResponse**

parts	<b>parameter</b>
	element <b>csta:GetAutoWorkModeResponse</b>
source	<code>&lt;message name="getAutoWorkModeResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetAutoWorkModeResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getCallBack**

parts	<b>parameter</b>
	element <b>csta:GetCallBack</b>
source	<code>&lt;message name="getCallBack"&gt;</code> <code>&lt;part name="parameter" element="csta:GetCallBack"/&gt;</code> <code>&lt;/message&gt;</code>

message **getCallBackResponse**

parts	<b>parameter</b>
	element <b>csta:GetCallBackResponse</b>
source	<code>&lt;message name="getCallBackResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetCallBackResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getCallerIDStatus**

parts	<b>parameter</b>
	element <b>csta:GetCallerIDStatus</b>
source	<pre>&lt;message name="getCallerIDStatus"&gt;   &lt;part name="parameter" element="csta:GetCallerIDStatus"/&gt; &lt;/message&gt;</pre>

message **getCallerIDStatusResponse**

parts	<b>parameter</b>
	element <b>csta:GetCallerIDStatusResponse</b>
source	<pre>&lt;message name="getCallerIDStatusResponse"&gt;   &lt;part name="parameter" element="csta:GetCallerIDStatusResponse"/&gt; &lt;/message&gt;</pre>

message **getDoNotDisturb**

parts	<b>parameter</b>
	element <b>csta:GetDoNotDisturb</b>
source	<pre>&lt;message name="getDoNotDisturb"&gt;   &lt;part name="parameter" element="csta:GetDoNotDisturb"/&gt; &lt;/message&gt;</pre>

message **getDoNotDisturbResponse**

parts	<b>parameter</b>
	element <b>csta:GetDoNotDisturbResponse</b>
source	<pre>&lt;message name="getDoNotDisturbResponse"&gt;   &lt;part name="parameter" element="csta:GetDoNotDisturbResponse"/&gt; &lt;/message&gt;</pre>

message **getForwarding**

parts	<b>parameter</b>
	element <b>csta:GetForwarding</b>
source	<pre>&lt;message name="getForwarding"&gt;   &lt;part name="parameter" element="csta:GetForwarding"/&gt; &lt;/message&gt;</pre>

message **getForwardingResponse**

parts	<b>parameter</b>
	element <b>csta:GetForwardingResponse</b>
source	<code>&lt;message name="getForwardingResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetForwardingResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getLastNumberDialed**

parts	<b>parameter</b>
	element <b>csta:GetLastNumberDialed</b>
source	<code>&lt;message name="getLastNumberDialed"&gt;</code> <code>&lt;part name="parameter" element="csta:GetLastNumberDialed"/&gt;</code> <code>&lt;/message&gt;</code>

message **getLastNumberDialedResponse**

parts	<b>parameter</b>
	element <b>csta:GetLastNumberDialedResponse</b>
source	<code>&lt;message name="getLastNumberDialedResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetLastNumberDialedResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getRouteingMode**

parts	<b>parameter</b>
	element <b>csta:GetRouteingMode</b>
source	<code>&lt;message name="getRouteingMode"&gt;</code> <code>&lt;part name="parameter" element="csta:GetRouteingMode"/&gt;</code> <code>&lt;/message&gt;</code>

message **getRouteingModeResponse**

parts	<b>parameter</b>
	element <b>csta:GetRouteingModeResponse</b>
source	<code>&lt;message name="getRouteingModeResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetRouteingModeResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setAgentState**

parts	<b>parameter</b>
	element <b>csta:SetAgentState</b>
source	<code>&lt;message name="setAgentState"&gt;</code> <code>&lt;part name="parameter" element="csta:SetAgentState"/&gt;</code> <code>&lt;/message&gt;</code>

message **setAgentStateResponse**

parts	<b>parameter</b>
	element <b>csta:SetAgentStateResponse</b>
source	<code>&lt;message name="setAgentStateResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetAgentStateResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setAutoAnswer**

parts	<b>parameter</b>
	element <b>csta:SetAutoAnswer</b>
source	<code>&lt;message name="setAutoAnswer"&gt;</code> <code>&lt;part name="parameter" element="csta:SetAutoAnswer"/&gt;</code> <code>&lt;/message&gt;</code>

message **setAutoAnswerResponse**

parts	<b>parameter</b>
	element <b>csta:SetAutoAnswerResponse</b>
source	<code>&lt;message name="setAutoAnswerResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetAutoAnswerResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setAutoWorkMode**

parts	<b>parameter</b>
	element <b>csta:SetAutoWorkMode</b>
source	<code>&lt;message name="setAutoWorkMode"&gt;</code> <code>&lt;part name="parameter" element="csta:SetAutoWorkMode"/&gt;</code> <code>&lt;/message&gt;</code>

message **setAutoWorkModeResponse**

parts	<b>parameter</b>
	element <b>csta:SetAutoWorkModeResponse</b>
source	<code>&lt;message name="setAutoWorkModeResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetAutoWorkModeResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setCallerIDStatus**

parts	<b>parameter</b>
	element <b>csta:SetCallerIDStatus</b>
source	<code>&lt;message name="setCallerIDStatus"&gt;</code> <code>&lt;part name="parameter" element="csta:SetCallerIDStatus"/&gt;</code> <code>&lt;/message&gt;</code>

message **setCallerIDStatusResponse**

parts	<b>parameter</b>
	element <b>csta:SetCallerIDStatusResponse</b>
source	<code>&lt;message name="setCallerIDStatusResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetCallerIDStatusResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setDoNotDisturb**

parts	<b>parameter</b>
	element <b>csta:SetDoNotDisturb</b>
source	<code>&lt;message name="setDoNotDisturb"&gt;</code> <code>&lt;part name="parameter" element="csta:SetDoNotDisturb"/&gt;</code> <code>&lt;/message&gt;</code>

message **setDoNotDisturbResponse**

parts	<b>parameter</b>
	element <b>csta:SetDoNotDisturbResponse</b>
source	<code>&lt;message name="setDoNotDisturbResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetDoNotDisturbResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setForwarding**

parts	<b>parameter</b>
	element <b>csta:SetForwarding</b>
source	<code>&lt;message name="setForwarding"&gt;</code> <code>&lt;part name="parameter" element="csta:SetForwarding"/&gt;</code> <code>&lt;/message&gt;</code>

message **setForwardingResponse**

parts	<b>parameter</b>
	element <b>csta:SetForwardingResponse</b>
source	<code>&lt;message name="setForwardingResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetForwardingResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **setRouteingMode**

parts	<b>parameter</b>
	element <b>csta:SetRouteingMode</b>
source	<code>&lt;message name="setRouteingMode"&gt;</code> <code>&lt;part name="parameter" element="csta:SetRouteingMode"/&gt;</code> <code>&lt;/message&gt;</code>

message **setRouteingModeResponse**

parts	<b>parameter</b>
	element <b>csta:SetRouteingModeResponse</b>
source	<code>&lt;message name="setRouteingModeResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SetRouteingModeResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **agentBusyEvent**

parts	<b>parameter</b>
	element <b>csta:AgentBusyEvent</b>
source	<code>&lt;message name="agentBusyEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:AgentBusyEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **agentLoggedOffEvent**

parts	<b>parameter</b>
	element <b>csta:AgentLoggedOffEvent</b>
source	<code>&lt;message name="agentLoggedOffEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:AgentLoggedOffEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **agentLoggedOnEvent**

parts	<b>parameter</b>
	element <b>csta:AgentLoggedOnEvent</b>
source	<code>&lt;message name="agentLoggedOnEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:AgentLoggedOnEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **agentNotReadyEvent**

parts	<b>parameter</b>
	element <b>csta:AgentNotReadyEvent</b>
source	<code>&lt;message name="agentNotReadyEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:AgentNotReadyEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **agentReadyEvent**

parts	<b>parameter</b>
	element <b>csta:AgentReadyEvent</b>
source	<code>&lt;message name="agentReadyEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:AgentReadyEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **agentWorkingAfterCallEvent**

parts	<b>parameter</b>
	element <b>csta:AgentWorkingAfterCallEvent</b>
source	<code>&lt;message name="agentWorkingAfterCallEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:AgentWorkingAfterCallEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **autoAnswerEvent**

parts	<b>parameter</b>
	element <b>csta:AutoAnswerEvent</b>
source	<code>&lt;message name="autoAnswerEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:AutoAnswerEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **autoWorkModeEvent**

parts	<b>parameter</b>
	element <b>csta:AutoWorkModeEvent</b>
source	<code>&lt;message name="autoWorkModeEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:AutoWorkModeEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **callBackEvent**

parts	<b>parameter</b>
	element <b>csta:CallBackEvent</b>
source	<code>&lt;message name="callBackEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:CallBackEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **callBackMessageEvent**

parts	<b>parameter</b>
	element <b>csta:CallBackMessageEvent</b>
source	<code>&lt;message name="callBackMessageEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:CallBackMessageEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **callerIDStatusEvent**

parts	<b>parameter</b>
	element <b>csta:CallerIDStatusEvent</b>
source	<code>&lt;message name="callerIDStatusEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:CallerIDStatusEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **doNotDisturbEvent**

parts	<b>parameter</b>
	element <b>csta:DoNotDisturbEvent</b>
source	<code>&lt;message name="doNotDisturbEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:DoNotDisturbEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **forwardingEvent**

parts	<b>parameter</b>
	element <b>csta:ForwardingEvent</b>
source	<code>&lt;message name="forwardingEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:ForwardingEvent"/&gt;</code> <code>&lt;/message&gt;</code>

message **routeingEvent**

parts	<b>parameter</b>
	element <b>csta:RouteingEvent</b>
source	<code>&lt;message name="routeingEvent"&gt;</code> <code>&lt;part name="parameter" element="csta:RouteingEvent"/&gt;</code> <code>&lt;/message&gt;</code>

**16.2 Operations**

operations	<b>CSTA-Call-Back-Message-Non-Call-Related</b>
	input <a href="#">tns:callBackMessageNonCallRelated</a>
	output <a href="#">tns:callBackMessageNonCallRelatedResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Call-Back-Non-Call-Related</b>
	input <a href="#">tns:callBackNonCallRelated</a>
	output <a href="#">tns:callBackNonCallRelatedResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Cancel-Call-Back</b>
	input <a href="#">tns:cancelCallBack</a>
	output <a href="#">tns:cancelCallBackResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Cancel-Call-Back-Message</b>
	input <a href="#">tns:cancelCallBackMessage</a>
	output <a href="#">tns:cancelCallBackMessageResponse</a>
	fault <a href="#">tns:negResponse</a>

**CSTA-Get-Agent-State**

input [tns:getAgentState](#)  
output [tns:getAgentStateResponse](#)  
fault [tns:negResponse](#)

**CSTA-Get-Auto-Answer**

input [tns:getAutoAnswer](#)  
output [tns:getAutoAnswerResponse](#)  
fault [tns:negResponse](#)

**CSTA-Get-Auto-Work-Mode**

input [tns:getAutoWorkMode](#)  
output [tns:getAutoWorkModeResponse](#)  
fault [tns:negResponse](#)

**CSTA-Get-Call-Back**

input [tns:getCallBack](#)  
output [tns:getCallBackResponse](#)  
fault [tns:negResponse](#)

**CSTA-Get-Caller-ID-Status**

input [tns:getCallerIDStatus](#)  
output [tns:getCallerIDStatusResponse](#)  
fault [tns:negResponse](#)

**CSTA-Get-Do-Not-Disturb**

input [tns:getDoNotDisturb](#)  
output [tns:getDoNotDisturbResponse](#)  
fault [tns:negResponse](#)

**CSTA-Get-Forwarding**

input [tns:getForwarding](#)  
output [tns:getForwardingResponse](#)  
fault [tns:negResponse](#)

**CSTA-Get-Last-Number-Dialed**

input [tns:getLastNumberDialed](#)  
output [tns:getLastNumberDialedResponse](#)  
fault [tns:negResponse](#)

**CSTA-Get-Routeing-Mode**

input [tns:getRouteingMode](#)  
output [tns:getRouteingModeResponse](#)  
fault [tns:negResponse](#)

**CSTA-Set-Agent-State**

input [tns:setAgentState](#)  
 output [tns:setAgentStateResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Set-Auto-Answer**

input [tns:setAutoAnswer](#)  
 output [tns:setAutoAnswerResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Set-Auto-Work-Mode**

input [tns:setAutoWorkMode](#)  
 output [tns:setAutoWorkModeResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Set-Caller-ID-Status**

input [tns:setCallerIDStatus](#)  
 output [tns:setCallerIDStatusResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Set-Do-Not-Disturb**

input [tns:setDoNotDisturb](#)  
 output [tns:setDoNotDisturbResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Set-Forwarding**

input [tns:setForwarding](#)  
 output [tns:setForwardingResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Set-Routeing-Mode**

input [tns:setRouteingMode](#)  
 output [tns:setRouteingModeResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Agent-Busy-Event**

input [tns:agentBusyEvent](#)

**CSTA-Agent-Logged-Off-Event**

input [tns:agentLoggedOffEvent](#)

**CSTA-Agent-Logged-On-Event**

input [tns:agentLoggedOnEvent](#)

STANDARDS.PDF.COM : Click to view the full PDF of ISO/IEC 18450:2013

**CSTA-Agent-Not-Ready-Event**input [tns:agentNotReadyEvent](#)**CSTA-Agent-Ready-Event**input [tns:agentReadyEvent](#)**CSTA-Agent-Working-After-Call-Event**input [tns:agentWorkingAfterCallEvent](#)**CSTA-Auto-Answer-Event**input [tns:autoAnswerEvent](#)**CSTA-Auto-Work-Mode-Event**input [tns:autoWorkModeEvent](#)**CSTA-Call-Back-Event**input [tns:callbackEvent](#)**CSTA-Call-Back-Message-Event**input [tns:callbackMessageEvent](#)**CSTA-Caller-ID-Status-Event**input [tns:callerIDStatusEvent](#)**CSTA-Do-Not-Disturb-Event**input [tns:doNotDisturbEvent](#)**CSTA-Forwarding-Event**input [tns:forwardingEvent](#)**CSTA-Routeing-Event**input [tns:routeingEvent](#)

source

```

<operation name="CSTA-Call-Back-Message-Non-Call-Related">
  <input message="tns:callbackMessageNonCallRelated"/>
  <output message="tns:callbackMessageNonCallRelatedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Call-Back-Non-Call-Related">
  <input message="tns:callbackNonCallRelated"/>
  <output message="tns:callbackNonCallRelatedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>

```

```

<operation name="CSTA-Cancel-Call-Back">
  <input message="tns:cancelCallBack"/>
  <output message="tns:cancelCallBackResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Cancel-Call-Back-Message">
  <input message="tns:cancelCallBackMessage"/>
  <output message="tns:cancelCallBackMessageResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Agent-State">
  <input message="tns:getAgentState"/>
  <output message="tns:getAgentStateResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Auto-Answer">
  <input message="tns:getAutoAnswer"/>
  <output message="tns:getAutoAnswerResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Auto-Work-Mode">
  <input message="tns:getAutoWorkMode"/>
  <output message="tns:getAutoWorkModeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Call-Back">
  <input message="tns:getCallBack"/>
  <output message="tns:getCallBackResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Caller-ID-Status">
  <input message="tns:getCallerIDStatus"/>
  <output message="tns:getCallerIDStatusResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Do-Not-Disturb">
  <input message="tns:getDoNotDisturb"/>
  <output message="tns:getDoNotDisturbResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Forwarding">
  <input message="tns:getForwarding"/>
  <output message="tns:getForwardingResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>

```

```

<operation name="CSTA-Get-Last-Number-Dialed">
  <input message="tns:getLastNumberDialed"/>
  <output message="tns:getLastNumberDialedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Get-Routeing-Mode">
  <input message="tns:getRouteingMode"/>
  <output message="tns:getRouteingModeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Agent-State">
  <input message="tns:setAgentState"/>
  <output message="tns:setAgentStateResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Auto-Answer">
  <input message="tns:setAutoAnswer"/>
  <output message="tns:setAutoAnswerResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Auto-Work-Mode">
  <input message="tns:setAutoWorkMode"/>
  <output message="tns:setAutoWorkModeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Caller-ID-Status">
  <input message="tns:setCallerIDStatus"/>
  <output message="tns:setCallerIDStatusResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Do-Not-Disturb">
  <input message="tns:setDoNotDisturb"/>
  <output message="tns:setDoNotDisturbResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Forwarding">
  <input message="tns:setForwarding"/>
  <output message="tns:setForwardingResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Set-Routeing-Mode">
  <input message="tns:setRouteingMode"/>
  <output message="tns:setRouteingModeResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>

```

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

## 17 Device Maintenance Events - Messages and Operations

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

### 17.1 Messages

#### message **backInServiceEvent**

```

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

```

#### message **deviceCapsChangedEvent**

```

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

```

#### message **outOfServiceEvent**

```

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

```

#### message **partiallyInServiceEvent**

```

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

```

## 17.2 Operations

operations	<p><b>CSTA-Back-In-Service-Event</b></p> <p>input <a href="#">tns:backInServiceEvent</a></p> <p><b>CSTA-Device-Capabilities-Changed-Event</b></p> <p>input <a href="#">tns:deviceCapsChangedEvent</a></p> <p><b>CSTA-Out-Of-Service-Event</b></p> <p>input <a href="#">tns:outOfServiceEvent</a></p> <p><b>CSTA-Partially-In-Service-Event</b></p> <p>input <a href="#">tns:partiallyInServiceEvent</a></p>
source	<pre> &lt;operation name="CSTA-Back-In-Service-Event"&gt;   &lt;input message="tns:backInServiceEvent"/&gt; &lt;/operation&gt; &lt;operation name="CSTA-Device-Capabilities-Changed-Event"&gt;   &lt;input message="tns:deviceCapsChangedEvent"/&gt; &lt;/operation&gt; &lt;operation name="CSTA-Out-Of-Service-Event"&gt;   &lt;input message="tns:outOfServiceEvent"/&gt; &lt;/operation&gt; &lt;operation name="CSTA-Partially-In-Service-Event"&gt;   &lt;input message="tns:partiallyInServiceEvent"/&gt; &lt;/operation&gt; </pre>

## 18 I/O Services Features - Messages and Operations

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

### 18.1 Messages

message **iORegister**

parts	<p><b>parameter</b></p> <p>element <b>csta:IORegister</b></p>
source	<pre> &lt;message name="iORegister"&gt;   &lt;part name="parameter" element="csta:IORegister"/&gt; &lt;/message&gt; </pre>

message **iORegisterResponse**

parts	<p><b>parameter</b></p> <p>element <b>csta:IORegisterResponse</b></p>
source	<pre> &lt;message name="iORegisterResponse"&gt;   &lt;part name="parameter" element="csta:IORegisterResponse"/&gt; &lt;/message&gt; </pre>

message **iORegisterAbort**

parts	<b>parameter</b>
	element <b>csta:iORegisterAbort</b>
source	<code>&lt;message name="iORegisterAbort"&gt;</code> <code>&lt;part name="parameter" element="csta:iORegisterAbort"/&gt;</code> <code>&lt;/message&gt;</code>

message **iORegisterCancel**

parts	<b>parameter</b>
	element <b>csta:iORegisterCancel</b>
source	<code>&lt;message name="iORegisterCancel"&gt;</code> <code>&lt;part name="parameter" element="csta:iORegisterCancel"/&gt;</code> <code>&lt;/message&gt;</code>

message **iORegisterCancelResponse**

parts	<b>parameter</b>
	element <b>csta:iORegisterCancelResponse</b>
source	<code>&lt;message name="iORegisterCancelResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:iORegisterCancelResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **dataPathResumed**

parts	<b>parameter</b>
	element <b>csta:DataPathResumed</b>
source	<code>&lt;message name="dataPathResumed"&gt;</code> <code>&lt;part name="parameter" element="csta:DataPathResumed"/&gt;</code> <code>&lt;/message&gt;</code>

message **dataPathResumedResponse**

parts	<b>parameter</b>
	element <b>csta:DataPathResumedResponse</b>
source	<code>&lt;message name="dataPathResumedResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:DataPathResumedResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **dataPathSuspended**

parts	<b>parameter</b>
	element <b>csta:DataPathSuspended</b>
source	<code>&lt;message name="dataPathSuspended"&gt;</code> <code>&lt;part name="parameter" element="csta:DataPathSuspended"/&gt;</code> <code>&lt;/message&gt;</code>

message **dataPathSuspendedResponse**

parts	<b>parameter</b>
	element <b>csta:DataPathSuspendedResponse</b>
source	<code>&lt;message name="dataPathSuspendedResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:DataPathSuspendedResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **fastData**

parts	<b>parameter</b>
	element <b>csta:FastData</b>
source	<code>&lt;message name="fastData"&gt;</code> <code>&lt;part name="parameter" element="csta:FastData"/&gt;</code> <code>&lt;/message&gt;</code>

message **fastDataResponse**

parts	<b>parameter</b>
	element <b>csta:FastDataResponse</b>
source	<code>&lt;message name="fastDataResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:FastDataResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **resumeDataPath**

parts	<b>parameter</b>
	element <b>csta:ResumeDataPath</b>
source	<code>&lt;message name="resumeDataPath"&gt;</code> <code>&lt;part name="parameter" element="csta:ResumeDataPath"/&gt;</code> <code>&lt;/message&gt;</code>

message **resumeDataPathResponse**

parts	<b>parameter</b>
	element <b>csta:ResumeDataPathResponse</b>
source	<code>&lt;message name="resumeDataPathResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:ResumeDataPathResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **sendBroadcastData**

parts	<b>parameter</b>
	element <b>csta:SendBroadcastData</b>
source	<code>&lt;message name="sendBroadcastData"&gt;</code> <code>&lt;part name="parameter" element="csta:SendBroadcastData"/&gt;</code> <code>&lt;/message&gt;</code>

message **sendBroadcastDataResponse**

parts	<b>parameter</b>
	element <b>csta:SendBroadcastDataResponse</b>
source	<code>&lt;message name="sendBroadcastDataResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SendBroadcastDataResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **sendData**

parts	<b>parameter</b>
	element <b>csta:SendData</b>
source	<code>&lt;message name="sendData"&gt;</code> <code>&lt;part name="parameter" element="csta:SendData"/&gt;</code> <code>&lt;/message&gt;</code>

message **sendDataResponse**

parts	<b>parameter</b>
	element <b>csta:SendDataResponse</b>
source	<code>&lt;message name="sendDataResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SendDataResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **sendMulticastData**

parts	<b>parameter</b>
	element <b>csta:SendMulticastData</b>
source	<code>&lt;message name="sendMulticastData"&gt;</code> <code>&lt;part name="parameter" element="csta:SendMulticastData"/&gt;</code> <code>&lt;/message&gt;</code>

message **sendMulticastDataResponse**

parts	<b>parameter</b>
	element <b>csta:SendMulticastDataResponse</b>
source	<code>&lt;message name="sendMulticastDataResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SendMulticastDataResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **startDataPath**

parts	<b>parameter</b>
	element <b>csta:StartDataPath</b>
source	<code>&lt;message name="startDataPath"&gt;</code> <code>&lt;part name="parameter" element="csta:StartDataPath"/&gt;</code> <code>&lt;/message&gt;</code>

message **startDataPathResponse**

parts	<b>parameter</b>
	element <b>csta:StartDataPathResponse</b>
source	<code>&lt;message name="startDataPathResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:StartDataPathResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **stopDataPath**

parts	<b>parameter</b>
	element <b>csta:StopDataPath</b>
source	<code>&lt;message name="stopDataPath"&gt;</code> <code>&lt;part name="parameter" element="csta:StopDataPath"/&gt;</code> <code>&lt;/message&gt;</code>

message **stopDataPathResponse**

parts	<b>parameter</b>
	element <b>csta:StopDataPathResponse</b>
source	<code>&lt;message name="stopDataPathResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:StopDataPathResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **suspendDataPath**

parts	<b>parameter</b>
	element <b>csta:SuspendDataPath</b>
source	<code>&lt;message name="suspendDataPath"&gt;</code> <code>&lt;part name="parameter" element="csta:SuspendDataPath"/&gt;</code> <code>&lt;/message&gt;</code>

message **suspendDataPathResponse**

parts	<b>parameter</b>
	element <b>csta:SuspendDataPathResponse</b>
source	<code>&lt;message name="suspendDataPathResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SuspendDataPathResponse"/&gt;</code> <code>&lt;/message&gt;</code>

## 18.2 Operations

operations	<b>CSTA-IO-Register</b>
	input <a href="#">tns:iORegister</a>
	output <a href="#">tns:iORegisterResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-IO-Register-Abort</b>
	input <a href="#">tns:iORegisterAbort</a>
	<b>CSTA-IO-Register-Cancel</b>
	input <a href="#">tns:iORegisterCancel</a>
	output <a href="#">tns:iORegisterCancelResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Data-Path-Resumed</b>
	input <a href="#">tns:dataPathResumed</a>
	output <a href="#">tns:dataPathResumedResponse</a>
	fault <a href="#">tns:negResponse</a>

**CSTA-Data-Path-Suspended**

input [tns:dataPathSuspended](#)  
 output [tns:dataPathSuspendedResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Fast-Data-as-input**

input [tns:fastData](#)  
 output [tns:fastDataResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Fast-Data-as-output**

input [tns:fastData](#)  
 output [tns:fastDataResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Resume-Data-Path**

input [tns:resumeDataPath](#)  
 output [tns:resumeDataPathResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Send-Broadcast-Data**

input [tns:sendBroadcastData](#)  
 output [tns:sendBroadcastDataResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Send-Data-as-input**

input [tns:sendData](#)  
 output [tns:sendDataResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Send-Data-as-output**

input [tns:sendData](#)  
 output [tns:sendDataResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Send-Multicast-Data**

input [tns:sendMulticastData](#)  
 output [tns:sendMulticastDataResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Start-Data-Path-as-input**

input [tns:startDataPath](#)  
 output [tns:startDataPathResponse](#)  
 fault [tns:negResponse](#)

STANDARDS101.COM: Click to view the full PDF of ISO/IEC 18450:2013

**CSTA-Start-Data-Path-as-output**

input [tns:startDataPath](#)  
 output [tns:startDataPathResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Stop-Data-Path-as-input**

input [tns:stopDataPath](#)  
 output [tns:stopDataPathResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Stop-Data-Path-as-output**

input [tns:stopDataPath](#)  
 output [tns:stopDataPathResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Suspend-Data-Path-as-input**

input [tns:suspendDataPath](#)  
 output [tns:suspendDataPathResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Suspend-Data-Path-as-output**

input [tns:suspendDataPath](#)  
 output [tns:suspendDataPathResponse](#)  
 fault [tns:negResponse](#)

source

```

<operation name="CSTA-IO-Register">
  <input message="tns:iORegister"/>
  <output message="tns:iORegisterResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-IO-Register-Abort">
  <input message="tns:iORegisterAbort"/>
</operation>
<operation name="CSTA-IO-Register-Cancel">
  <input message="tns:iORegisterCancel"/>
  <output message="tns:iORegisterCancelResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Data-Path-Resumed">
  <input message="tns:dataPathResumed"/>
  <output message="tns:dataPathResumedResponse"/>
  <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Data-Path-Suspended">
  <input message="tns:dataPathSuspended"/>
  <output message="tns:dataPathSuspendedResponse"/>

```

```

    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Fast-Data-as-input">
    <input message="tns:fastData"/>
    <output message="tns:fastDataResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Fast-Data-as-output">
    <input message="tns:fastData"/>
    <output message="tns:fastDataResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Resume-Data-Path">
    <input message="tns:resumeDataPath"/>
    <output message="tns:resumeDataPathResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Send-Broadcast-Data">
    <input message="tns:sendBroadcastData"/>
    <output message="tns:sendBroadcastDataResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Send-Data-as-input">
    <input message="tns:sendData"/>
    <output message="tns:sendDataResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Send-Data-as-output">
    <input message="tns:sendData"/>
    <output message="tns:sendDataResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Send-Multicast-Data">
    <input message="tns:sendMulticastData"/>
    <output message="tns:sendMulticastDataResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Start-Data-Path-as-input">
    <input message="tns:startDataPath"/>
    <output message="tns:startDataPathResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Start-Data-Path-as-output">
    <input message="tns:startDataPath"/>
    <output message="tns:startDataPathResponse"/>

```

STANDARDSDSISO.COM · Click to view the full PDF of ISO/IEC 18450:2013

```

    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Stop-Data-Path-as-input">
    <input message="tns:stopDataPath"/>
    <output message="tns:stopDataPathResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Stop-Data-Path-as-output">
    <input message="tns:stopDataPath"/>
    <output message="tns:stopDataPathResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Suspend-Data-Path-as-input">
    <input message="tns:suspendDataPath"/>
    <output message="tns:suspendDataPathResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Suspend-Data-Path-as-output">
    <input message="tns:suspendDataPath"/>
    <output message="tns:suspendDataPathResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>

```

## 19 Data Collection Features - Messages and Operations

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

### 19.1 Messages

#### message dataCollected

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

#### message dataCollectedResponse

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

message **dataCollectionResumed**

parts	<b>parameter</b>
	element <b>csta:DataCollectionResumed</b>
source	<code>&lt;message name="dataCollectionResumed"&gt;</code> <code>&lt;part name="parameter" element="csta:DataCollectionResumed"/&gt;</code> <code>&lt;/message&gt;</code>

message **dataCollectionResumedResponse**

parts	<b>parameter</b>
	element <b>csta:DataCollectionResumedResponse</b>
source	<code>&lt;message name="dataCollectionResumedResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:DataCollectionResumedResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **dataCollectionSuspended**

parts	<b>parameter</b>
	element <b>csta:DataCollectionSuspended</b>
source	<code>&lt;message name="dataCollectionSuspended"&gt;</code> <code>&lt;part name="parameter" element="csta:DataCollectionSuspended"/&gt;</code> <code>&lt;/message&gt;</code>

message **dataCollectionSuspendedResponse**

parts	<b>parameter</b>
	element <b>csta:DataCollectionSuspendedResponse</b>
source	<code>&lt;message name="dataCollectionSuspendedResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:DataCollectionSuspendedResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **resumeDataCollection**

parts	<b>parameter</b>
	element <b>csta:ResumeDataCollection</b>
source	<code>&lt;message name="resumeDataCollection"&gt;</code> <code>&lt;part name="parameter" element="csta:ResumeDataCollection"/&gt;</code> <code>&lt;/message&gt;</code>

**message resumeDataCollectionResponse**

parts	<b>parameter</b>
	element <b>csta:ResumeDataCollectionResponse</b>
source	<code>&lt;message name="resumeDataCollectionResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:ResumeDataCollectionResponse"/&gt;</code> <code>&lt;/message&gt;</code>

**message startDataCollection**

parts	<b>parameter</b>
	element <b>csta:StartDataCollection</b>
source	<code>&lt;message name="startDataCollection"&gt;</code> <code>&lt;part name="parameter" element="csta:StartDataCollection"/&gt;</code> <code>&lt;/message&gt;</code>

**message startDataCollectionResponse**

parts	<b>parameter</b>
	element <b>csta:StartDataCollectionResponse</b>
source	<code>&lt;message name="startDataCollectionResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:StartDataCollectionResponse"/&gt;</code> <code>&lt;/message&gt;</code>

**message stopDataCollection**

parts	<b>parameter</b>
	element <b>csta:StopDataCollection</b>
source	<code>&lt;message name="stopDataCollection"&gt;</code> <code>&lt;part name="parameter" element="csta:StopDataCollection"/&gt;</code> <code>&lt;/message&gt;</code>

**message stopDataCollectionResponse**

parts	<b>parameter</b>
	element <b>csta:StopDataCollectionResponse</b>
source	<code>&lt;message name="stopDataCollectionResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:StopDataCollectionResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **suspendDataCollection**

parts	<b>parameter</b>
	element <b>csta:SuspendDataCollection</b>
source	<pre>&lt;message name="suspendDataCollection"&gt;   &lt;part name="parameter" element="csta:SuspendDataCollection"/&gt; &lt;/message&gt;</pre>

message **suspendDataCollectionResponse**

parts	<b>parameter</b>
	element <b>csta:SuspendDataCollectionResponse</b>
source	<pre>&lt;message name="suspendDataCollectionResponse"&gt;   &lt;part name="parameter" element="csta:SuspendDataCollectionResponse"/&gt; &lt;/message&gt;</pre>

## 19.2 Operations

operations	<b>CSTA-Data-Collected</b>
	input <a href="#">tns:dataCollected</a>
	output <a href="#">tns:dataCollectedResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Data-Collection-Resumed</b>
	input <a href="#">tns:dataCollectionResumed</a>
	output <a href="#">tns:dataCollectionResumedResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Data-Collection-Suspended</b>
	input <a href="#">tns:dataCollectionSuspended</a>
	output <a href="#">tns:dataCollectionSuspendedResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Resume-Data-Collection</b>
	input <a href="#">tns:resumeDataCollection</a>
	output <a href="#">tns:resumeDataCollectionResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Start-Data-Collection</b>
	input <a href="#">tns:startDataCollection</a>
	output <a href="#">tns:startDataCollectionResponse</a>
	fault <a href="#">tns:negResponse</a>

**CSTA-Stop-Data-Collection-as-input**

input [tns:stopDataCollection](#)  
 output [tns:stopDataCollectionResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Stop-Data-Collection-as-output**

input [tns:stopDataCollection](#)  
 output [tns:stopDataCollectionResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Suspend-Data-Collection-as-input**

input [tns:suspendDataCollection](#)  
 output [tns:suspendDataCollectionResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Suspend-Data-Collection-as-output**

input [tns:suspendDataCollection](#)  
 output [tns:suspendDataCollectionResponse](#)  
 fault [tns:negResponse](#)

source

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

```

<input message="tns:stopDataCollection"/>
<output message="tns:stopDataCollectionResponse"/>
<fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Stop-Data-Collection-as-output">
<input message="tns:stopDataCollection"/>
<output message="tns:stopDataCollectionResponse"/>
<fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Suspend-Data-Collection-as-input">
<input message="tns:suspendDataCollection"/>
<output message="tns:suspendDataCollectionResponse"/>
<fault name="FaultName" message="tns:negResponse"/>
</operation>
<operation name="CSTA-Suspend-Data-Collection-as-output">
<input message="tns:suspendDataCollection"/>
<output message="tns:suspendDataCollectionResponse"/>
<fault name="FaultName" message="tns:negResponse"/>
</operation>

```

## 20 Voice Features - Messages and Operations

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

### 20.1 Messages

message activate

parts	<b>parameter</b>
	element <b>csta:Activate</b>
source	<message name="activate">
	<part name="parameter" element="csta:Activate"/>
	</message>

message activateResponse

parts	<b>parameter</b>
	element <b>csta:ActivateResponse</b>
source	<message name="activateResponse">
	<part name="parameter" element="csta:ActivateResponse"/>
	</message>

message **clear**

parts	<b>parameter</b>
	element <b>csta:Clear</b>
source	<code>&lt;message name="clear"&gt;</code> <code>&lt;part name="parameter" element="csta:Clear"/&gt;</code> <code>&lt;/message&gt;</code>

message **clearResponse**

parts	<b>parameter</b>
	element <b>csta:ClearResponse</b>
source	<code>&lt;message name="clearResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:ClearResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **concatenateMessage**

parts	<b>parameter</b>
	element <b>csta:ConcatenateMessage</b>
source	<code>&lt;message name="concatenateMessage"&gt;</code> <code>&lt;part name="parameter" element="csta:ConcatenateMessage"/&gt;</code> <code>&lt;/message&gt;</code>

message **concatenateMessageResponse**

parts	<b>parameter</b>
	element <b>csta:ConcatenateMessageResponse</b>
source	<code>&lt;message name="concatenateMessageResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:ConcatenateMessageResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **deactivate**

parts	<b>parameter</b>
	element <b>csta:Deactivate</b>
source	<code>&lt;message name="deactivate"&gt;</code> <code>&lt;part name="parameter" element="csta:Deactivate"/&gt;</code> <code>&lt;/message&gt;</code>

message **deactivateResponse**

parts	<b>parameter</b>
	element <b>csta:DeactivateResponse</b>
source	<code>&lt;message name="deactivateResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:DeactivateResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **deleteMessage**

parts	<b>parameter</b>
	element <b>csta&gt;DeleteMessage</b>
source	<code>&lt;message name="deleteMessage"&gt;</code> <code>&lt;part name="parameter" element="csta&gt;DeleteMessage"/&gt;</code> <code>&lt;/message&gt;</code>

message **deleteMessageResponse**

parts	<b>parameter</b>
	element <b>csta&gt;DeleteMessageResponse</b>
source	<code>&lt;message name="deleteMessageResponse"&gt;</code> <code>&lt;part name="parameter" element="csta&gt;DeleteMessageResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **playMessage**

parts	<b>parameter</b>
	element <b>csta:PlayMessage</b>
source	<code>&lt;message name="playMessage"&gt;</code> <code>&lt;part name="parameter" element="csta:PlayMessage"/&gt;</code> <code>&lt;/message&gt;</code>

message **playMessageResponse**

parts	<b>parameter</b>
	element <b>csta:PlayMessageResponse</b>
source	<code>&lt;message name="playMessageResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:PlayMessageResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **queryVoiceAttribute**

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

message **queryVoiceAttributeResponse**

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

message **queueService**

parts	<b>parameter</b>
	element <b>csta:QueueService</b>
source	<message name="queueService"> <part name="parameter" element="csta:QueueService"/> </message>

message **queueServiceResponse**

parts	<b>parameter</b>
	element <b>csta:QueueServiceResponse</b>
source	<message name="queueServiceResponse"> <part name="parameter" element="csta:QueueServiceResponse"/> </message>

message **recordMessage**

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

message **recordMessageResponse**

parts	<b>parameter</b>
	element <b>csta:RecordMessageResponse</b>
source	<code>&lt;message name="recordMessageResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:RecordMessageResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **reposition**

parts	<b>parameter</b>
	element <b>csta:Reposition</b>
source	<code>&lt;message name="reposition"&gt;</code> <code>&lt;part name="parameter" element="csta:Reposition"/&gt;</code> <code>&lt;/message&gt;</code>

message **repositionResponse**

parts	<b>parameter</b>
	element <b>csta:RepositionResponse</b>
source	<code>&lt;message name="repositionResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:RepositionResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **resume**

parts	<b>parameter</b>
	element <b>csta:Resume</b>
source	<code>&lt;message name="resume"&gt;</code> <code>&lt;part name="parameter" element="csta:Resume"/&gt;</code> <code>&lt;/message&gt;</code>

message **resumeResponse**

parts	<b>parameter</b>
	element <b>csta:ResumeResponse</b>
source	<code>&lt;message name="resumeResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:ResumeResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **review**

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

message **reviewResponse**

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

message **setVoiceAttribute**

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

message **setVoiceAttributeResponse**

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

message **start**

parts	<b>parameter</b>
	element <b>csta:Start</b>
source	<message name="start"> <part name="parameter" element="csta:Start"/> </message>

message **startResponse**

parts	<b>parameter</b>
	element <b>csta:StartResponse</b>
source	<code>&lt;message name="startResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:StartResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **stop**

parts	<b>parameter</b>
	element <b>csta:Stop</b>
source	<code>&lt;message name="stop"&gt;</code> <code>&lt;part name="parameter" element="csta:Stop"/&gt;</code> <code>&lt;/message&gt;</code>

message **stopResponse**

parts	<b>parameter</b>
	element <b>csta:StopResponse</b>
source	<code>&lt;message name="stopResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:StopResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **suspend**

parts	<b>parameter</b>
	element <b>csta:Suspend</b>
source	<code>&lt;message name="suspend"&gt;</code> <code>&lt;part name="parameter" element="csta:Suspend"/&gt;</code> <code>&lt;/message&gt;</code>

message **suspendResponse**

parts	<b>parameter</b>
	element <b>csta:SuspendResponse</b>
source	<code>&lt;message name="suspendResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SuspendResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **synthesizeMessage**

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

message **synthesizeMessageResponse**

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

message **bookmarkReachedEvent**

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

message **completedEvent**

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

message **dtmfDetectedEvent**

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

message **emptiedEvent**

parts	<b>parameter</b>
	element <b>csta:EmptiedEvent</b>
source	<code>&lt;message name="emptiedEvent"&gt;</code>
	<code>&lt;part name="parameter" element="csta:EmptiedEvent"/&gt;</code>
	<code>&lt;/message&gt;</code>

message **interruptionDetectedEvent**

parts	<b>parameter</b>
	element <b>csta:InterruptionDetectedEvent</b>
source	<code>&lt;message name="interruptionDetectedEvent"&gt;</code>
	<code>&lt;part name="parameter" element="csta:InterruptionDetectedEvent"/&gt;</code>
	<code>&lt;/message&gt;</code>

message **notRecognizedEvent**

parts	<b>parameter</b>
	element <b>csta:NotRecognizedEvent</b>
source	<code>&lt;message name="notRecognizedEvent"&gt;</code>
	<code>&lt;part name="parameter" element="csta:NotRecognizedEvent"/&gt;</code>
	<code>&lt;/message&gt;</code>

message **playEvent**

parts	<b>parameter</b>
	element <b>csta:PlayEvent</b>
source	<code>&lt;message name="playEvent"&gt;</code>
	<code>&lt;part name="parameter" element="csta:PlayEvent"/&gt;</code>
	<code>&lt;/message&gt;</code>

message **recognizedEvent**

parts	<b>parameter</b>
	element <b>csta:RecognizedEvent</b>
source	<code>&lt;message name="recognizedEvent"&gt;</code>
	<code>&lt;part name="parameter" element="csta:RecognizedEvent"/&gt;</code>
	<code>&lt;/message&gt;</code>

message **recordEvent**

parts	<b>parameter</b>
	element <b>csta:RecordEvent</b>
source	<message name="recordEvent"> <part name="parameter" element="csta:RecordEvent"/> </message>

message **reviewEvent**

parts	<b>parameter</b>
	element <b>csta:ReviewEvent</b>
source	<message name="reviewEvent"> <part name="parameter" element="csta:ReviewEvent"/> </message>

message **silenceTimeoutExpiredEvent**

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

message **speechDetectedEvent**

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

message **startedEvent**

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

message **stopEvent**

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

message **suspendPlayEvent**

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

message **suspendRecordEvent**

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

message **voiceAttributeChangedEvent**

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

message **voiceErrorOccurredEvent**

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

## 20.2 Operations

operations	<p><b>CSTA-Activate</b></p> <p>input <a href="#">tns:activate</a></p> <p>output <a href="#">tns:activateResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Clear</b></p> <p>input <a href="#">tns:clear</a></p> <p>output <a href="#">tns:clearResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Concatenate-Message</b></p> <p>input <a href="#">tns:concatenateMessage</a></p> <p>output <a href="#">tns:concatenateMessageResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Deactivate</b></p> <p>input <a href="#">tns:deactivate</a></p> <p>output <a href="#">tns:deactivateResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Delete-Message</b></p> <p>input <a href="#">tns:deleteMessage</a></p> <p>output <a href="#">tns:deleteMessageResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Play-Message</b></p> <p>input <a href="#">tns:playMessage</a></p> <p>output <a href="#">tns:playMessageResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Query-Voice-Attribute</b></p> <p>input <a href="#">tns:queryVoiceAttribute</a></p> <p>output <a href="#">tns:queryVoiceAttributeResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Queue-Service</b></p> <p>input <a href="#">tns:queueService</a></p> <p>output <a href="#">tns:queueServiceResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Record-Message</b></p> <p>input <a href="#">tns:recordMessage</a></p> <p>output <a href="#">tns:recordMessageResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p>
------------	---

**CSTA-Reposition**

input [tns:reposition](#)  
 output [tns:repositionResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Resume**

input [tns:resume](#)  
 output [tns:resumeResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Review**

input [tns:review](#)  
 output [tns:reviewResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Set-Voice-Attribute**

input [tns:setVoiceAttribute](#)  
 output [tns:setVoiceAttributeResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Start**

input [tns:start](#)  
 output [tns:startResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Stop**

input [tns:stop](#)  
 output [tns:stopResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Suspend**

input [tns:suspend](#)  
 output [tns:suspendResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Synthesize-Message**

input [tns:synthesizeMessage](#)  
 output [tns:synthesizeMessageResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Bookmark-Reached-Event**

inp [tns:bookmarkReachedEvent](#)

**CSTA-Completed-Event**

input [tns:completedEvent](#)

STANDARDSISO.COM: Click to view the full PDF of ISO/IEC 18450:2013

**CSTA-Dtmf-Dectected-Event**input [tns:dtmfDetectedEvent](#)**CSTA-Emptied-Event**input [tns:emptiedEvent](#)**CSTA-Interruption-Detected-Event**input [tns:interruptionDetectedEvent](#)**CSTA-Not-Recognized-Event**input [tns:notRecognizedEvent](#)**CSTA-Play-Event**input [tns:playEvent](#)**CSTA-Recognized-Event**input [tns:recognizedEvent](#)**CSTA-Record-Event**input [tns:recordEvent](#)**CSTA-Review-Event**input [tns:reviewEvent](#)**CSTA-Silence-Timeout-Expired-Event**input [tns:silenceTimeoutExpiredEvent](#)**CSTA-Speech-Detected-Event**input [tns:speechDetectedEvent](#)**CSTA-Started-Event**input [tns:startedEvent](#)**CSTA-Stop-Event**input [tns:stopEvent](#)**CSTA-Suspend-Play-Event**input [tns:suspendPlayEvent](#)**CSTA-Suspend-Record-Event**input [tns:suspendRecordEvent](#)

**CSTA-Voice-Attribute-Changed-Event**

input [tns:voiceAttributeChangedEvent](#)

**CSTA-Voice-Error-Occurred-Event**

input [tns:voiceErrorOccurredEvent](#)

source

```

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

```



```

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

```

```

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

```

STANDARDISO.COM: Click to view the full PDF of ISO/IEC 18450:2013

```

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

```

## 21 Call Detail Record Features - Messages and Operations

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

### 21.1 Messages

message **cDRNotification**

```

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

```

message **cDRNotificationResponse**

```

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

```

message **cDRReport**

```

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

```

message **cDRReportResponse**

```

parts
  parameter
    element csta:CDRReportResponse
source <message name="cDRReportResponse">

```

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

message **sendStoredCDR**

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

message **sendStoredCDRResponse**

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

message **startCDRTransmission**

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

message **startCDRTransmissionResponse**

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

message **stopCDRTransmission**

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

message **stopCDRTransmissionResponse**

parts	<b>parameter</b>
	element <b>csta:StopCDRTransmissionResponse</b>
source	<pre>&lt;message name="stopCDRTransmissionResponse"&gt;   &lt;part name="parameter" element="csta:StopCDRTransmissionResponse"/&gt; &lt;/message&gt;</pre>

**21.2 Operations**

operations	<b>CSTA-CDR-Notification</b>
	input <a href="#">tns:cDRNotification</a>
	output <a href="#">tns:cDRNotificationResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-CDR-Report</b>
	input <a href="#">tns:cDRReport</a>
	output <a href="#">tns:cDRReportResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Send-Stored-CDR</b>
	input <a href="#">tns:sendStoredCDR</a>
	output <a href="#">tns:sendStoredCDRResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Start-CDR-Transmission</b>
	input <a href="#">tns:startCDRTransmission</a>
	output <a href="#">tns:startCDRTransmissionResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Stop-CDR-Transmission-as-input</b>
	input <a href="#">tns:stopCDRTransmission</a>
	output <a href="#">tns:stopCDRTransmissionResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Stop-CDR-Transmission-as-output</b>
	input <a href="#">tns:stopCDRTransmission</a>
	output <a href="#">tns:stopCDRTransmissionResponse</a>
	fault <a href="#">tns:negResponse</a>
source	<pre>&lt;operation name="CSTA-CDR-Notification"&gt;   &lt;input message="tns:cDRNotification"/&gt;   &lt;output message="tns:cDRNotificationResponse"/&gt;</pre>

```

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

```

## 22 Location Services - Messages and Operations

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

### 22.1 Messages

message **getLocationInformation**

	<b>parameter</b>
parts	element <b>csta:getLocationInformation</b>
source	<message name="getLocationInformation">
	<part name="parameter" element="csta:getLocationInformation"/>
	</message>

message **getLocationInformationResponse**

parts	<b>parameter</b>
	element <b>csta:getLocationInformationResponse</b>
source	<message name="getLocationInformationResponse"> <part name="parameter" element="csta:getLocationInformationResponse"/> </message>

message **setLocationInformation**

parts	<b>parameter</b>
	element <b>csta:SetLocationInformation</b>
source	<message name="setLocationInformation"> <part name="parameter" element="csta:SetLocationInformation"/> </message>

message **setLocationInformationResponse**

parts	<b>parameter</b>
	element <b>csta:SetLocationInformationResponse</b>
source	<message name="setLocationInformationResponse"> <part name="parameter" element="csta:SetLocationInformationResponse"/> </message>

message **locationTrackingSessionResumed**

parts	<b>parameter</b>
	element <b>csta:LocationTrackingSessionResumed</b>
source	<message name="locationTrackingSessionResumed"> <part name="parameter" element="csta:LocationTrackingSessionResumed"/> </message>

message **locationTrackingSessionResumedResponse**

parts	<b>parameter</b>
	element <b>csta:LocationTrackingSessionResumedResponse</b>
source	<message name="locationTrackingSessionResumedResponse"> <part name="parameter" element="csta:LocationTrackingSessionResumedResponse"/> </message>

message **locationTrackingSessionSuspended**

parts	<b>parameter</b>
	element <b>csta:LocationTrackingSessionSuspended</b>
source	<code>&lt;message name="locationTrackingSessionSuspended"&gt;</code> <code>&lt;part name="parameter" element="csta:LocationTrackingSessionSuspended"/&gt;</code> <code>&lt;/message&gt;</code>

message **locationTrackingSessionSuspendedResponse**

parts	<b>parameter</b>
	element <b>csta:LocationTrackingSessionSuspendedResponse</b>
source	<code>&lt;message name="locationTrackingSessionSuspendedResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:LocationTrackingSessionSuspendedResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **resumeLocationTrackingSession**

parts	<b>parameter</b>
	element <b>csta:ResumeLocationTrackingSession</b>
source	<code>&lt;message name="resumeLocationTrackingSession"&gt;</code> <code>&lt;part name="parameter" element="csta:ResumeLocationTrackingSession"/&gt;</code> <code>&lt;/message&gt;</code>

message **resumeLocationTrackingSessionResponse**

parts	<b>parameter</b>
	element <b>csta:ResumeLocationTrackingSessionResponse</b>
source	<code>&lt;message name="resumeLocationTrackingSessionResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:ResumeLocationTrackingSessionResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **locationInformationReport**

parts	<b>parameter</b>
	element <b>csta:LocationInformationReport</b>
source	<code>&lt;message name="locationInformationReport"&gt;</code> <code>&lt;part name="parameter" element="csta:LocationInformationReport"/&gt;</code> <code>&lt;/message&gt;</code>

message **locationInformationReportResponse**

parts	<b>parameter</b>
	element <b>csta:LocationInformationReportResponse</b>
source	<code>&lt;message name="locationInformationReportResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:LocationInformationReportResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **startLocationTrackingSession**

parts	<b>parameter</b>
	element <b>csta:StartLocationTrackingSession</b>
source	<code>&lt;message name="startLocationTrackingSession"&gt;</code> <code>&lt;part name="parameter" element="csta:StartLocationTrackingSession"/&gt;</code> <code>&lt;/message&gt;</code>

message **startLocationTrackingSessionResponse**

parts	<b>parameter</b>
	element <b>csta:StartLocationTrackingSessionResponse</b>
source	<code>&lt;message name="startLocationTrackingSessionResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:StartLocationTrackingSessionResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **stopLocationTrackingSession**

parts	<b>parameter</b>
	element <b>csta:StopLocationTrackingSession</b>
source	<code>&lt;message name="stopLocationTrackingSession"&gt;</code> <code>&lt;part name="parameter" element="csta:StopLocationTrackingSession"/&gt;</code> <code>&lt;/message&gt;</code>

message **stopLocationTrackingSessionResponse**

parts	<b>parameter</b>
	element <b>csta:StopLocationTrackingSessionResponse</b>
source	<code>&lt;message name="stopLocationTrackingSessionResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:StopLocationTrackingSessionResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **suspendLocationTrackingSession**

parts	<b>parameter</b>
	element <b>csta:SuspendLocationTrackingSession</b>
source	<code>&lt;message name="suspendLocationTrackingSession"&gt;</code> <code>&lt;part name="parameter" element="csta:SuspendLocationTrackingSession"/&gt;</code> <code>&lt;/message&gt;</code>

message **suspendLocationTrackingSessionResponse**

parts	<b>parameter</b>
	element <b>csta:SuspendLocationTrackingSessionResponse</b>
source	<code>&lt;message name="suspendLocationTrackingSessionResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:SuspendLocationTrackingSessionResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getLocationTrackingCapabilities**

parts	<b>parameter</b>
	element <b>csta:GetLocationTrackingCapabilities</b>
source	<code>&lt;message name="getLocationTrackingCapabilities"&gt;</code> <code>&lt;part name="parameter" element="csta:GetLocationTrackingCapabilities"/&gt;</code> <code>&lt;/message&gt;</code>

message **getLocationTrackingCapabilitiesResponse**

parts	<b>parameter</b>
	element <b>csta:GetLocationTrackingCapabilitiesResponse</b>
source	<code>&lt;message name="getLocationTrackingCapabilitiesResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:GetLocationTrackingCapabilitiesResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **getLocationTrackingSessions**

parts	<b>parameter</b>
	element <b>csta:GetLocationTrackingSessions</b>
source	<code>&lt;message name="getLocationTrackingSessions"&gt;</code> <code>&lt;part name="parameter" element="csta:GetLocationTrackingSessions"/&gt;</code> <code>&lt;/message&gt;</code>

message **getLocationTrackingSessionsResponse**

parts	<b>parameter</b>
	element <b>csta:getLocationTrackingSessionsResponse</b>
source	<code>&lt;message name="getLocationTrackingSessionsResponse"&gt;</code> <code>&lt;part name="parameter" element="csta:getLocationTrackingSessionsResponse"/&gt;</code> <code>&lt;/message&gt;</code>

message **locationSessionInfo**

parts	<b>parameter</b>
	element <b>csta:LocationSessionInfo</b>
source	<code>&lt;message name="locationSessionInfo"&gt;</code> <code>&lt;part name="parameter" element="csta:LocationSessionInfo"/&gt;</code> <code>&lt;/message&gt;</code>

**22.2 Operations**

operations	<b>CSTA-Get-Location-Information</b>
	input <a href="#">tns:getLocationInformation</a>
	output <a href="#">tns:getLocationInformationResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Set-Location-Information</b>
	input <a href="#">tns:setLocationInformation</a>
	output <a href="#">tns:setLocationInformationResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Location-Tracking-Session-Resumed</b>
	input <a href="#">tns:locationTrackingSessionResumed</a>
	output <a href="#">tns:locationTrackingSessionResumedResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Location-Tracking-Session-Suspended</b>
	input <a href="#">tns:locationTrackingSessionSuspended</a>
	output <a href="#">tns:locationTrackingSessionSuspendedResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Resume-Location-Tracking-Session</b>
	input <a href="#">tns:resumeLocationTrackingSession</a>
	output <a href="#">tns:resumeLocationTrackingSessionResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Location-Information-Report</b>

input [tns:locationInformationReport](#)  
 output [tns:locationInformationReportResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Start-Location-Tracking-Session**

input [tns:startLocationTrackingSession](#)  
 output [tns:startLocationTrackingSessionResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Stop-Location-Tracking-Session**

input [tns:stopLocationTrackingSession](#)  
 output [tns:stopLocationTrackingSessionResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Suspend-Location-Tracking-Session**

input [tns:suspendLocationTrackingSession](#)  
 output [tns:suspendLocationTrackingSessionResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Get-Location-Tracking-Capabilities**

input [tns:getLocationTrackingCapabilities](#)  
 output [tns:getLocationTrackingCapabilitiesResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Get-Location-Tracking-Sessions**

input [tns:getLocationTrackingSessions](#)  
 output [tns:getLocationTrackingSessionsResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Location-Session-Info**

source [tns:locationSessionInfo](#)  
`<operation name="CSTA-Get-Location-Information">  
 <input message="tns:getLocationInformation"/>  
 <output message="tns:getLocationInformationResponse"/>  
 <fault name="FaultName" message="tns:negResponse"/>  
</operation>  
<operation name="CSTA-Set-Location-Information">  
 <input message="tns:setLocationInformation"/>  
 <output message="tns:setLocationInformationResponse"/>  
 <fault name="FaultName" message="tns:negResponse"/>  
</operation>  
<operation name="CSTA-Location-Tracking-Session-Resumed">  
 <output message="tns:locationTrackingSessionResumed"/>  
 <input message="tns:locationTrackingSessionResumedResponse"/>  
 <fault name="FaultName" message="tns:negResponse"/>`



```

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

```

## 23 Vendor Specific Features - Messages and Operations

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

### 23.1 Messages

#### message **escapeRegister**

```

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

```

#### message **escapeRegisterResponse**

```

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

```

#### message **escapeRegisterAbort**

```

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

```

#### message **escapeRegisterCancel**

```

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

```

#### message **escapeRegisterCancelResponse**

```

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

```

message **escape**

parts	<b>parameter</b>
	element <b>csta:Escape</b>
source	<message name="escape"> <part name="parameter" element="csta:Escape"/> </message>

message **escapeResponse**

parts	<b>parameter</b>
	element <b>csta:EscapeResponse</b>
source	<message name="escapeResponse"> <part name="parameter" element="csta:EscapeResponse"/> </message>

message **privateDataVersionSelection**

parts	<b>parameter</b>
	element <b>csta:PrivateDataVersionSelection</b>
source	<message name="privateDataVersionSelection"> <part name="parameter" element="csta:PrivateDataVersionSelection"/> </message>

message **privateDataVersionSelectionResponse**

parts	<b>parameter</b>
	element <b>csta:PrivateDataVersionSelectionResponse</b>
source	<message name="privateDataVersionSelectionResponse"> <part name="parameter" element="csta:PrivateDataVersionSelectionResponse"/> </message>

message **privateEvent**

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

23.2 Operations

operations	<p><b>CSTA-EscapeRegister</b></p> <p>input <a href="#">tns:escapeRegister</a></p> <p>output <a href="#">tns:escapeRegisterResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Escape-Register-Abort</b></p> <p>input <a href="#">tns:escapeRegisterAbort</a></p> <p><b>CSTA-Escape-Register-Cancel</b></p> <p>input <a href="#">tns:escapeRegisterCancel</a></p> <p>output <a href="#">tns:escapeRegisterCancelResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Escape-as-input</b></p> <p>input <a href="#">tns:escape</a></p> <p>output <a href="#">tns:escapeResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Escape-as-output</b></p> <p>input <a href="#">tns:escape</a></p> <p>output <a href="#">tns:escapeResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Private-Data-Version-Selection</b></p> <p>input <a href="#">tns:privateDataVersionSelection</a></p> <p>output <a href="#">tns:privateDataVersionSelectionResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Private-Event</b></p> <p>input <a href="#">tns:privateEvent</a></p>
source	<pre> &lt;operation name="CSTA-EscapeRegister"&gt;   &lt;input message="tns:escapeRegister"/&gt;   &lt;output message="tns:escapeRegisterResponse"/&gt;   &lt;fault name="FaultName" message="tns:negResponse"/&gt; &lt;/operation&gt;  &lt;operation name="CSTA-Escape-Register-Abort"&gt;   &lt;input message="tns:escapeRegisterAbort"/&gt; &lt;/operation&gt;  &lt;operation name="CSTA-Escape-Register-Cancel"&gt;   &lt;input message="tns:escapeRegisterCancel"/&gt;   &lt;output message="tns:escapeRegisterCancelResponse"/&gt;   &lt;fault name="FaultName" message="tns:negResponse"/&gt; &lt;/operation&gt; </pre>

STANDARDSPISO.COM: Click to view the full PDF of ISO/IEC 18450:2013

```

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

```

## 24 Basic Telephony Profile – Port Type Pair

This Clause specifies the CSTA-Basic-Telephony-Profile portType and CF-CSTA-Basic-Telephony-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Basic Telephony profile as specified in ISO/IEC 18051 2.1.3.1.

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

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

operations	<b>CSTA-Get-Switching-Function-Capabilities</b>
	input <a href="#">tns:getSwitchingFunctionCaps</a>
	output <a href="#">tns:getSwitchingFunctionCapsResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Answer-Call</b>
	input <a href="#">tns:answerCall</a>
	output <a href="#">tns:answerCallResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Clear-Connection</b>
	input <a href="#">tns:clearConnection</a>
	output <a href="#">tns:clearConnectionResponse</a>
	fault <a href="#">tns:negResponse</a>

**CSTA-Make-Call**

input [tns:makeCall](#)  
 output [tns:makeCallResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Monitor-Start**

input [tns:monitorStart](#)  
 output [tns:monitorStartResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Monitor-Stop-as-input**

input [tns:monitorStop](#)  
 output [tns:monitorStopResponse](#)  
 fault [tns:negResponse](#)

```
source <portType name="CSTA-Basic-Telephony-Profile">
  <operation name="CSTA-Get-Switching-Function-Capabilities">
    <input message="tns:getSwitchingFunctionCaps"/>
    <output message="tns:getSwitchingFunctionCapsResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Answer-Call">
    <input message="tns:answerCall"/>
    <output message="tns:answerCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Clear-Connection">
    <input message="tns:clearConnection"/>
    <output message="tns:clearConnectionResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Make-Call">
    <input message="tns:makeCall"/>
    <output message="tns:makeCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Monitor-Start">
    <input message="tns:monitorStart"/>
    <output message="tns:monitorStartResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Monitor-Stop-as-input">
    <input message="tns:monitorStop"/>
    <output message="tns:monitorStopResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
</portType>
```



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

operations	<p><b>CSTA-Connection-Cleared-event</b></p> <p>input <a href="#">tns:connectionClearedEvent</a></p> <p><b>CSTA-Delivered-event</b></p> <p>input <a href="#">tns:deliveredEvent</a></p> <p><b>CSTA-Established-event</b></p> <p>input <a href="#">tns:establishedEvent</a></p> <p><b>CSTA-Failed-event</b></p> <p>input <a href="#">tns:failedEvent</a></p> <p><b>CSTA-Network-Reached-event</b></p> <p>input <a href="#">tns:networkReachedEvent</a></p> <p><b>CSTA-Originated-event</b></p> <p>input <a href="#">tns:originatedEvent</a></p> <p><b>CSTA-Service-Initiated-event</b></p> <p>input <a href="#">tns:serviceInitiatedEvent</a></p>
source	<pre> &lt;portType name=" CF-CSTA-Basic-Telephony-Profile"&gt;   &lt;operation name="CSTA-Connection-Cleared-event"&gt;     &lt;input message="tns:connectionClearedEvent"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Delivered-event"&gt;     &lt;input message="tns:deliveredEvent"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Established-event"&gt;     &lt;input message="tns:establishedEvent"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Failed-event"&gt;     &lt;input message="tns:failedEvent"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Network-Reached-event"&gt;     &lt;input message="tns:networkReachedEvent"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Originated-event"&gt;     &lt;input message="tns:originatedEvent"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Service-Initiated-event"&gt;     &lt;input message="tns:serviceInitiatedEvent"/&gt;   &lt;/operation&gt; &lt;/portType&gt; </pre>

## 25 Routing Profile - Port Type Pair

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

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

### porttype **CSTA-Routing-Profile**

```

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

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

```

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

## 26 Level 1a Voice Browser Profile - Port Type Pair

This Clause specifies the CSTA-Level-1a-Voice-Browser-Profile portType and CF- CSTA-Level-1a-Voice-Browser-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Level 1a Voice Browser profile as specified in ISO/IEC 18051 2.1.3.3.

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

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

operations	<p><b>CSTA-Answer-Call</b></p> <p>input <a href="#">tns:answerCall</a></p> <p>output <a href="#">tns:answerCallResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Clear-Connection</b></p> <p>input <a href="#">tns:clearConnection</a></p> <p>output <a href="#">tns:clearConnectionResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Single-Step-Transfer-Call</b></p> <p>input <a href="#">tns:singleStepTransferCall</a></p> <p>output <a href="#">tns:singleStepTransferCallResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Monitor-Start</b></p> <p>input <a href="#">tns:monitorStart</a></p> <p>output <a href="#">tns:monitorStartResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Monitor-Stop-as-input</b></p> <p>input <a href="#">tns:monitorStop</a></p> <p>output <a href="#">tns:monitorStopResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p>
source	<pre> &lt;portType name="CSTA-Level-1a-Voice-Browser-Profile"&gt;   &lt;operation name="CSTA-Answer-Call"&gt;     &lt;input message="tns:answerCall"/&gt;     &lt;output message="tns:answerCallResponse"/&gt;     &lt;fault name="FaultName" message="tns:negResponse"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Clear-Connection"&gt;     &lt;input message="tns:clearConnection"/&gt;     &lt;output message="tns:clearConnectionResponse"/&gt;     &lt;fault name="FaultName" message="tns:negResponse"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Single-Step-Transfer-Call"&gt;     &lt;input message="tns:singleStepTransferCall"/&gt;     &lt;output message="tns:singleStepTransferCallResponse"/&gt; </pre>

```

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

```

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

```

operations  CSTA-Connection-Cleared-event
            input  tns:connectionClearedEvent

CSTA-Failed-event
            input  tns:failedEvent

CSTA-Delivered-event
            input  tns:deliveredEvent

CSTA-Transferred-event
            input  tns:transferredEvent

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

```

## 27 Level 1b Voice Browser Profile - Port Type Pair

This Clause specifies the CSTA-Level-1b-Voice-Browser-Profile portType and CSTA-Level-1b-Voice-Browser-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Level 1b Voice Browser profile as specified in ISO/IEC 18051 2.1.3.4.

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

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

operations	<p><b>CSTA-Answer-Call</b></p> <p>input <a href="#">tns:answerCall</a></p> <p>output <a href="#">tns:answerCallResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Clear-Connection</b></p> <p>input <a href="#">tns:clearConnection</a></p> <p>output <a href="#">tns:clearConnectionResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Deflect-Call</b></p> <p>input <a href="#">tns:deflectCall</a></p> <p>output <a href="#">tns:deflectCallResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Monitor-Start</b></p> <p>input <a href="#">tns:monitorStart</a></p> <p>output <a href="#">tns:monitorStartResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Monitor-Stop-as-input</b></p> <p>input <a href="#">tns:monitorStop</a></p> <p>output <a href="#">tns:monitorStopResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p>
source	<pre> &lt;portType name="CSTA-Level-1b-Voice-Browser-Profile"&gt;   &lt;operation name="CSTA-Answer-Call"&gt;     &lt;input message="tns:answerCall"/&gt;     &lt;output message="tns:answerCallResponse"/&gt;     &lt;fault name="FaultName" message="tns:negResponse"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Clear-Connection"&gt;     &lt;input message="tns:clearConnection"/&gt;     &lt;output message="tns:clearConnectionResponse"/&gt;     &lt;fault name="FaultName" message="tns:negResponse"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Deflect-Call"&gt;     &lt;input message="tns:deflectCall"/&gt;     &lt;output message="tns:deflectCallResponse"/&gt;   &lt;/operation&gt; </pre>

```

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

```

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

```

operations  CSTA-Connection-Cleared-event
            input  tns:connectionClearedEvent

CSTA-Failed-event
            input  tns:failedEvent

CSTA-Delivered-event
            input  tns:deliveredEvent

CSTA-Diverted-event
            input  tns:divertedEvent

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

```

## 28 Level 2a Voice Browser Profile - Port Type Pair

This Clause specifies the CSTA-Level-2a-Voice-Browser-Profile portType and CF-CSTA-Level-2a-Voice-Browser-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Level 2a Voice Browser profile as specified in ISO/IEC 18051 2.1.3.5.

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

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

operations	<p><b>CSTA-Answer-Call</b></p> <p>input <a href="#">tns:answerCall</a></p> <p>output <a href="#">tns:answerCallResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Clear-Connection</b></p> <p>input <a href="#">tns:clearConnection</a></p> <p>output <a href="#">tns:clearConnectionResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Make-Call</b></p> <p>input <a href="#">tns:makeCall</a></p> <p>output <a href="#">tns:makeCallResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Single-Step-Transfer-Call</b></p> <p>input <a href="#">tns:singleStepTransferCall</a></p> <p>output <a href="#">tns:singleStepTransferCallResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Monitor-Start</b></p> <p>input <a href="#">tns:monitorStart</a></p> <p>output <a href="#">tns:monitorStartResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Monitor-Stop-as-input</b></p> <p>input <a href="#">tns:monitorStop</a></p> <p>output <a href="#">tns:monitorStopResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p>
source	<pre> &lt;portType name="CSTA-Level-2a-Voice-Browser-Profile"&gt;   &lt;operation name="CSTA-Answer-Call"&gt;     &lt;input message="tns:answerCall"/&gt;     &lt;output message="tns:answerCallResponse"/&gt;     &lt;fault name="FaultName" message="tns:negResponse"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Clear-Connection"&gt;     &lt;input message="tns:clearConnection"/&gt;     &lt;output message="tns:clearConnectionResponse"/&gt; </pre>

```

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

```

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

operations	<b>CSTA-Connection-Cleared-event</b> input <a href="#">tns:connectionClearedEvent</a>
	<b>CSTA-Delivered-event</b> input <a href="#">tns:deliveredEvent</a>
	<b>CSTA-Established-event</b> input <a href="#">tns:establishedEvent</a>
	<b>CSTA-Failed-event</b> input <a href="#">tns:failedEvent</a>
	<b>CSTA-Network-Reached-event</b> input <a href="#">tns:networkReachedEvent</a>
	<b>CSTA-Originated-event</b> input <a href="#">tns:originatedEvent</a>
	<b>CSTA-Transferred-event</b> input <a href="#">tns:transferredEvent</a>

```

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

```

## 29 Level 2b Voice Browser Profile - Port Type Pair

This Clause specifies the CSTA-Level-2b-Voice-Browser-Profile portType and CF- CSTA-Level-2b-Voice-Browser-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Level 2b Voice Browser profile as specified in ISO/IEC 18051 2.1.3.5.

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

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

operations	<p><b>CSTA-Answer-Call</b></p> <p>input <a href="#">tns:answerCall</a></p> <p>output <a href="#">tns:answerCallResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Clear-Connection</b></p> <p>input <a href="#">tns:clearConnection</a></p> <p>output <a href="#">tns:clearConnectionResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p> <p><b>CSTA-Make-Call</b></p> <p>input <a href="#">tns:makeCall</a></p> <p>output <a href="#">tns:makeCallResponse</a></p> <p>fault <a href="#">tns:negResponse</a></p>
------------	---

**CSTA-Deflect-Call**

input [tns:deflectCall](#)  
 output [tns:deflectCallResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Monitor-Start**

input [tns:monitorStart](#)  
 output [tns:monitorStartResponse](#)  
 fault [tns:negResponse](#)

**CSTA-Monitor-Stop-as-input**

input [tns:monitorStop](#)  
 output [tns:monitorStopResponse](#)  
 fault [tns:negResponse](#)

```
source <portType name="CSTA-Level-2b-Voice-Browser-Profile">
  <operation name="CSTA-Answer-Call">
    <input message="tns:answerCall"/>
    <output message="tns:answerCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Clear-Connection">
    <input message="tns:clearConnection"/>
    <output message="tns:clearConnectionResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Make-Call">
    <input message="tns:makeCall"/>
    <output message="tns:makeCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Deflect-Call">
    <input message="tns:deflectCall"/>
    <output message="tns:deflectCallResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Monitor-Start">
    <input message="tns:monitorStart"/>
    <output message="tns:monitorStartResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
  <operation name="CSTA-Monitor-Stop-as-input">
    <input message="tns:monitorStop"/>
    <output message="tns:monitorStopResponse"/>
    <fault name="FaultName" message="tns:negResponse"/>
  </operation>
</portType>
```

STANDARD.PDF.COM Click to view the full PDF of ISO/IEC 18450:2013

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

operations	<p><b>CSTA-Connection-Cleared-event</b></p> <p>input <a href="#">tns:connectionClearedEvent</a></p> <p><b>CSTA-Delivered-event</b></p> <p>input <a href="#">tns:deliveredEvent</a></p> <p><b>CSTA-Established-event</b></p> <p>input <a href="#">tns:establishedEvent</a></p> <p><b>CSTA-Failed-event</b></p> <p>input <a href="#">tns:failedEvent</a></p> <p><b>CSTA-Network-Reached-event</b></p> <p>input <a href="#">tns:networkReachedEvent</a></p> <p><b>CSTA-Originated-event</b></p> <p>input <a href="#">tns:originatedEvent</a></p> <p><b>CSTA-Diverted-event</b></p> <p>input <a href="#">tns:divertedEvent</a></p>
source	<pre> &lt;portType name="CF-CSTA-Level-2b-Voice-Browser-Profile"&gt;   &lt;operation name="CSTA-Connection-Cleared-event"&gt;     &lt;input message="tns:connectionClearedEvent"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Delivered-event"&gt;     &lt;input message="tns:deliveredEvent"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Established-event"&gt;     &lt;input message="tns:establishedEvent"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Failed-event"&gt;     &lt;input message="tns:failedEvent"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Network-Reached-event"&gt;     &lt;input message="tns:networkReachedEvent"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Originated-event"&gt;     &lt;input message="tns:originatedEvent"/&gt;   &lt;/operation&gt;   &lt;operation name="CSTA-Diverted-event"&gt;     &lt;input message="tns:divertedEvent"/&gt;   &lt;/operation&gt; &lt;/portType&gt; </pre>

### 30 Minimal uaCSTA Call Control Profile – Port Type

This Clause specifies the CSTA-Minimal-uaCSTA-Call-Control-Profile portType. This portType specifies the required CSTA WSDL operations to support the CSTA Minimal uaCSTA Call Control Profile as specified in ISO/IEC 18051 2.1.3.6.

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

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

operations	<b>CSTA-Answer-Call</b>
	input <a href="#">tns:answerCall</a>
	output <a href="#">tns:answerCallResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Clear-Connection</b>
	input <a href="#">tns:clearConnection</a>
	output <a href="#">tns:clearConnectionResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Deflect-Call</b>
	input <a href="#">tns:deflectCall</a>
	output <a href="#">tns:deflectCallResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Hold-Call</b>
	input <a href="#">tns:holdCall</a>
	output <a href="#">tns:holdCallResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Make-Call</b>
	input <a href="#">tns:makeCall</a>
	output <a href="#">tns:makeCallResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Retrieve-Call</b>
	input <a href="#">tns:retrieveCall</a>
	output <a href="#">tns:retrieveCallResponse</a>
	fault <a href="#">tns:negResponse</a>
	<b>CSTA-Single-Step-Transfer-Call</b>
	input <a href="#">tns:singleStepTransferCall</a>
	output <a href="#">tns:singleStepTransferCallResponse</a>
	fault <a href="#">tns:negResponse</a>

```

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

```

### 31 Basic uaCSTA Call Control Profile – Port Type Pair

This Clause specifies the CSTA-Basic-uaCSTA-Call-Control-Profile portType and CF-CSTA-Basic-uaCSTA-Call-Control-Profile port. This portType pair specifies the required CSTA WSDL operations to support the CSTA Basic uaCSTA Call Control Profile as specified in ISO/IEC 18051 2.1.3.7.

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

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

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

STANDARDS.PDF.COM : Click to view the full PDF of ISO/IEC 18450:2013

**CSTA-Monitor-Stop-as-input**input [tns:monitorStop](#)output [tns:monitorStopResponse](#)fault [tns:negResponse](#)

```

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

```

```

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

```

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

```

operations
  CSTA-Connection-Cleared-event
    input tns:connectionClearedEvent

  CSTA-Delivered-event
    input tns:deliveredEvent

  CSTA-Diverted-event
    input tns:divertedEvent

  CSTA-Established-event
    input tns:establishedEvent

  CSTA-Failed-event
    input tns:failedEvent

  CSTA-Held-event
    input tns:heldEvent

  CSTA-Network-Reached-event
    input tns:networkReachedEvent

  CSTA-Retrieved-event
    input tns:retrievedEvent

  CSTA-Service-Initiated-event
    input tns:serviceInitiatedEvent

  CSTA-Transferred-event
    input tns:transferredEvent
source
<portType name="CF-CSTA-Basic-uaCSTA-Call-Control-Profile">
  <operation name="CSTA-Connection-Cleared-event">
    <input message="tns:connectionClearedEvent"/>
  </operation>
  <operation name="CSTA-Delivered-event">

```

STANDARDSISO.COM : Click to view the full PDF of ISO/IEC 18450:2013

```

    <input message="tns:deliveredEvent"/>
  </operation>
  <operation name="CSTA-Diverted-event">
    <input message="tns:divertedEvent"/>
  </operation>
  <operation name="CSTA-Established-event">
    <input message="tns:establishedEvent"/>
  </operation>
  <operation name="CSTA-Failed-event">
    <input message="tns:failedEvent"/>
  </operation>
  <operation name="CSTA-Held-event">
    <input message="tns:heldEvent"/>
  </operation>
  <operation name="CSTA-Network-Reached-event">
    <input message="tns:networkReachedEvent"/>
  </operation>
  <operation name="CSTA-Retrieved-event">
    <input message="tns:retrievedEvent"/>
  </operation>
  <operation name="CSTA-Service-Initiated-event">
    <input message="tns:serviceInitiatedEvent"/>
  </operation>
  <operation name="CSTA-Transferred-event">
    <input message="tns:transferredEvent"/>
  </operation>
</portType>

```

### 32 Advanced uaCSTA Call Control Profile – Port Type Pair

This Clause specifies the CSTA-Advanced-uaCSTA-Call-Control-Profile portType and CF- CSTA-Advanced-uaCSTA-Call-Control-Profile portType. This portType pair specifies the required CSTA WSDL operations to support the CSTA Advanced uaCSTA Call Control Profile as specified in ISO/IEC 18051 2.1.3.8.

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

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

operations	<b>CSTA-Alternate-Call</b>
input	<a href="#">tns:alternateCall</a>
output	<a href="#">tns:alternateCallResponse</a>
fault	<a href="#">tns:negResponse</a>
	<b>CSTA-Answer-Call</b>
input	<a href="#">tns:answerCall</a>
output	<a href="#">tns:answerCallResponse</a>
fault	<a href="#">tns:negResponse</a>