



# OpenScape Business V3

Description

CSTA Interface Manual

Phase III

Part 2: ECMA-285 related

Version 1.0

## Content

|   |    |
|---|----|
| HISTORY OF CHANGE .....   | 3  |
| 1        Layer7.....  | 5  |
| 1.1     CSTA Parameter Types .....                                  | 5  |
| 1.1.1    SWITCHING FUNCTION OBJECTS.....                            | 5  |
| 1.1.2    DEVICE IDENTIFIERS .....                                   | 5  |
| 1.1.3    CALL & CONNECTION IDENTIFIERS.....                         | 7  |
| 1.1.4    CONNECTION STATES .....                                    | 8  |
| 1.1.5    STATUS REPORTING .....                                     | 8  |
| 1.1.6    DEVICE AND FEATURE TYPES AND OTHER PARAMETERS .....        | 10 |
| 1.1.7    SECURITY .....   | 16 |
| 1.1.8    COMMON EXTENSIONS .....                                    | 16 |
| 1.1.9    CALL CONTROL.....  | 17 |
| 1.1.10   CAPABILITY EXCHANGE .....                                  | 18 |
| 1.1.11   CALL DETAIL RECORD .....                                   | 74 |
| 1.1.12   CHARGE INFORMATION .....                                   | 76 |
| 1.1.13   DATA CALL TYPES.....                                       | 76 |
| <del>1.1.14</del> ESCAPE TYPES .....                                | 76 |
| <del>1.1.15</del> MEDIA SERVICES.....                               | 76 |
| 1.1.16   PHYSICAL DEVICE FEATURES.....                              | 78 |
| <del>1.1.17</del> DATA COLLECTION.....                              | 80 |
| 1.1.18   EVENT CAUSE .....  | 80 |
| 1.1.19   ERROR VALUE .....  | 81 |
| Annex A .....   | 86 |
| Protocol Implementation Conformance Statement (PICS) Proforma ..... | 86 |

## History of Change

| date       | version | comment                           |
|------------|---------|-----------------------------------|
| 2020-06-01 | 1.0     | Version for OpenScape Business V3 |
|            |         |                                   |
|            |         |                                   |
|            |         |                                   |

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## 1 Layer7

This document describes the CSTA-Interface provided by OpenScape Business V2.

In this Document some text is shown as crossed out (~~like this~~). These parts are specified by ECMA, but are not supported by OpenScape Business.

### 1.1 CSTA Parameter Types

#### 1.1.1 Switching Function Objects

##### 1.1.1.1 CSTAObject

|                       |               |  |
|-----------------------|---------------|--|
| CSTAObject ::= CHOICE |               |  |
| {deviceObject         | DeviceID,     |  |
| callObject            | ConnectionID} |  |

#### 1.1.2 Device Identifiers

##### 1.1.2.1 CallingDeviceID

The CallingDeviceID parameter type specifies the calling device associated with the call.

|  |              |       |
|--|--------------|-------|
| CallingDeviceID ::= [APPLICATION 1] CHOICE |              |       |
| {deviceIdentifier                          | DeviceID,    |       |
| notKnown                                   | [7] IMPLICIT | NULL} |

##### 1.1.2.2 CalledDeviceID

A device identifier of the CalledDeviceID type describes the originally called device associated with a call.

|   |              |       |
|---|--------------|-------|
| CalledDeviceID ::= [APPLICATION 2] CHOICE |              |       |
| {deviceIdentifier                         | DeviceID,    |       |
| notKnown                                  | [7] IMPLICIT | NULL} |

##### 1.1.2.3 SubjectDeviceID

The SubjectDeviceID parameter type represents a device which is the focus of the action associated with the event being reported.

|  |              |       |
|--|--------------|-------|
| SubjectDeviceID ::= [APPLICATION 3] CHOICE |              |       |
| {deviceIdentifier                          | DeviceID,    |       |
| notKnown                                   | [7] IMPLICIT | NULL} |

##### 1.1.2.4 RedirectionDeviceID

The RedirectionDeviceID parameter type describes the last device known by the switching function from which the current call was routed. Routed includes forwarded from, diverted from, or redirected from.

|  |                         |                  |
|--|-------------------------|------------------|
| RedirectionDeviceID ::= [APPLICATION 4] CHOICE |                         |                  |
| {numberdialed                                  | DeviceID,               |                  |
| notKnown                                       | [7] IMPLICIT            | NULL,            |
| <del>notRequired</del>                         | <del>[8] IMPLICIT</del> | <del>NULL,</del> |
| <del>notSpecified</del>                        | <del>[9] IMPLICIT</del> | <del>NULL}</del> |

##### 1.1.2.5 AssociatedCallingDeviceID

The AssociatedCallingDeviceID parameter type specifies the Network Interface Device (e.g., trunk, CO line) within the switching sub-domain that is associated with the calling device in the call if the call is an external incoming call. This parameter shall be included on all external incoming calls.

|  |              |       |
|--|--------------|-------|
| AssociatedCallingDeviceID ::= [APPLICATION 5] CHOICE |              |       |
| {deviceIdentifier                                    | DeviceID,    |       |
| notKnown   | [7] IMPLICIT | NULL} |

### 1.1.2.6 AssociatedCalledDeviceID

For outgoing external calls, the AssociatedCalledDeviceID parameter type specifies the Network Interface Device (e.g., trunk, CO Line) within the switching sub-domain that is associated with the originally called device. This parameter is mandatory on all events dealing with external outgoing calls.

For incoming external calls, this parameter specifies a device within the switching sub-domain that is associated with the originally called device (such as a switching function internal representation of DNIS, for example). This parameter is optional on all events dealing with incoming external calls.

|   |              |       |  |
|---|--------------|-------|--|
| AssociatedCalledDeviceID ::= [APPLICATION 6] CHOICE |              |       |  |
| {deviceIdentifier                                   | DeviceID,    |       |  |
| notKnown  | [7] IMPLICIT | NULL} |  |

### 1.1.2.7 NetworkCallingDeviceID

Specifies the calling device information provided by the network for external incoming calls.

Only supported in Standalone systems and gatewaynodes.

|   |              |       |  |
|---|--------------|-------|--|
| NetworkCallingDeviceID ::= [APPLICATION 7] CHOICE |              |       |  |
| {deviceIdentifier                                 | DeviceID,    |       |  |
| notKnown  | [7] IMPLICIT | NULL} |  |

### 1.1.2.8 NetworkCalledDeviceID

Specifies the called device information provided by the network for external incoming calls.

Only supported in Standalone systems and gatewaynodes.

|  |              |       |  |
|--|--------------|-------|--|
| NetworkCalledDeviceID ::= [APPLICATION 8] CHOICE |              |       |  |
| {deviceIdentifier                                | DeviceID,    |       |  |
| notKnown   | [7] IMPLICIT | NULL} |  |

### 1.1.2.9 DeviceID

Identifies or represents a device in the switching function.

|                       |                  |                 |                            |
|-----------------------|------------------|-----------------|----------------------------|
| DeviceID ::= SEQUENCE |                  |                 |                            |
| {                     | deviceIdentifier | CHOICE          |                            |
| {                     | {                | dialingNumber   | [0] IMPLICIT NumberDigits, |
|                       |                  | deviceNumber    | [1] IMPLICIT DeviceNumber, |
|                       |                  | implicitPublic  | [2] IMPLICIT NumberDigits, |
|                       |                  | explicitPublic  | [3] PublicTON,             |
|                       |                  | implicitPrivate | [4] IMPLICIT NumberDigits, |
|                       |                  | explicitPrivate | [5] PrivateTON,            |
|                       |                  | other           | [6] IMPLICIT OtherPlan},   |
|                       |                  | mediaClass      | MediaClass OPTIONAL}       |

## Stations

The internal Call-Number of a station is used for CSTA. In Events etc. the 1st Station in the following screenshot is reported as 500, but from outside it can be reached with the 4711.

| Callno | DID  | Name    |
|--------|------|---------|
| 500    | 4711 | my name |
| 501    | 501  | -       |

## Examples

### Closed Numbering scheme

Closed numbering scheme requires unique Device IDs within an OpenScape Business network, except the trunk IDs.

*Open Numbering scheme*

Not supported on CSTA of OpenScape Business.

**1.1.2.10 PublicTON**

|                      |                 |              |             |
|----------------------|-----------------|--------------|-------------|
| PublicTON ::= CHOICE |                 |              |             |
| {                    | unknown         | [0] IMPLICIT | IA5String,  |
|                      | international   | [1] IMPLICIT | IA5String,  |
|                      | national        | [2] IMPLICIT | IA5String,  |
|                      | networkspecific | [3] IMPLICIT | IA5String,  |
|                      | subscriber      | [4] IMPLICIT | IA5String,  |
|                      | abbreviated     | [5] IMPLICIT | IA5String } |

**1.1.2.11 PrivateTON**

|                       |                      |              |             |
|-----------------------|----------------------|--------------|-------------|
| PrivateTON ::= CHOICE |                      |              |             |
| {                     | unknown              | [0] IMPLICIT | IA5String,  |
|                       | level3RegionalNumber | [1] IMPLICIT | IA5String,  |
|                       | level2RegionalNumber | [2] IMPLICIT | IA5String,  |
|                       | level1RegionalNumber | [3] IMPLICIT | IA5String,  |
|                       | pTNSpecificNumber    | [4] IMPLICIT | IA5String,  |
|                       | localNumber          | [5] IMPLICIT | IA5String,  |
|                       | abbreviated          | [6] IMPLICIT | IA5String } |

**1.1.2.12 OtherPlan**

|                            |
|----------------------------|
| OtherPlan ::= OCTET STRING |
|----------------------------|

**1.1.2.13 NumberDigits**

|                            |
|----------------------------|
| NumberDigits ::= IA5String |
|----------------------------|

**1.1.2.14 DeviceNumber**

|                          |
|--------------------------|
| DeviceNumber ::= INTEGER |
|--------------------------|

**1.1.3 Call & Connection Identifiers**

**1.1.3.1 ConnectionID**

The ConnectionID parameter type describes a devices connection in a given call.

**Note:** In case of external calls, the ConnectionID contains the trunk access code in deviceID.

|  |          |                     |                |
|--|----------|---------------------|----------------|
| ConnectionID ::= [APPLICATION 11] CHOICE |          |                     |                |
| {  | callID   | [0] IMPLICIT        | CallID,        |
|  | deviceID | [1]                 | LocalDeviceID, |
|  | both     | SEQUENCE            |                |
|  | {        | callID [0] IMPLICIT | CallID,        |
|  |          | deviceID [1]        | LocalDeviceID  |
|  | }        |                     |                |
| }  |          |                     |                |

**1.1.3.2 CallID**

**Note:** The CallID must have always a length of 4 bytes in the CSTA implementation of OpenScape Business.

|                                      |
|--------------------------------------|
| CallID ::= OCTET STRING (SIZE(0..8)) |
|--------------------------------------|

**1.1.3.3 LocalDeviceID**

|                          |           |              |                              |
|--------------------------|-----------|--------------|------------------------------|
| LocalDeviceID ::= CHOICE |           |              |                              |
| {                        | staticID  | DeviceID,    |                              |
|                          | dynamicID | [3] IMPLICIT | OCTET STRING (SIZE(0..32)) } |

### 1.1.4 Connection States

#### 1.1.4.1 ConnectionList

The ConnectionList parameter type provides the linkage mechanism between a devices old connection ID and new connection ID resulting from the conference or transfer:

|   |                         |                       |           |
|---|-------------------------|-----------------------|-----------|
| ConnectionList ::= SEQUENCE OF SEQUENCE |                         |                       |           |
| {                                       | newConnection           | [0] ConnectionID      | OPTIONAL, |
|   | oldConnection           | [1] ConnectionID      | OPTIONAL, |
|   | endpoint                | [2] CHOICE            |           |
|   | {                       | deviceID DeviceID,    |           |
|   |                         | notKnown NULL}        | OPTIONAL, |
|   | associatedNID           | [3] CHOICE            |           |
|   | {                       | deviceID DeviceID,    |           |
|   |                         | notKnown NULL}        | OPTIONAL, |
|   | resultingConnectionInfo | ConnectionInformation | OPTIONAL} |

#### 1.1.4.2 LocalConnectionState

The LocalConnectionState parameter type describes the connection state of the device associated with the Monitor Cross Reference ID.

|   |           |      |
|---|-----------|------|
| LocalConnectionState ::= [APPLICATION 14] IMPLICIT ENUMERATED |           |      |
| {   | null      | (0), |
|   | initiated | (1), |
|   | alerting  | (2), |
|   | connected | (3), |
|   | hold      | (4), |
|   | queued    | (5), |
|   | fail      | (6)} |

### 1.1.5 Status Reporting

#### 1.1.5.1 MonitorObject

**Note:** Valid CSTAObjects see 2.18.3 in Part 1 of this Interface manual.

|                               |
|-------------------------------|
| MonitorObject ::= CSTAObject; |
|-------------------------------|

#### 1.1.5.2 MonitorCrossRefID

Specifies an identifier that is used to correlate an event to an established monitor.

|   |
|---|
| MonitorCrossRefID ::= [APPLICATION 21] IMPLICIT OCTET STRING (SIZE(0..4)) |
|---|

#### 1.1.5.3 MonitorFilter

Specifies the events are filtered for a Monitor Start service.

|                            |   |             |
|----------------------------|---|-------------|
| MonitorFilter ::= SEQUENCE | -- default is no filter (i.e. all events) |             |
| {callControl               | [0] IMPLICIT CallControlEvents            | DEFAULT {}, |
| callAssociated             | [6] IMPLICIT CallAssociatedEvents         | DEFAULT {}, |
| mediaAttachment            | [7] IMPLICIT MediaAttachmentEvents        | DEFAULT {}, |
| physicalDeviceFeature      | [8] IMPLICIT PhysicalDeviceFeatureEvents  | DEFAULT {}, |
| logicalDeviceFeature       | [9] IMPLICIT LogicalDeviceFeatureEvents   | DEFAULT {}, |
| maintenance                | [3] IMPLICIT DeviceMaintenanceEvents      | DEFAULT {}, |
| voiceUnit                  | [5] IMPLICIT VoiceUnitEvents              | DEFAULT {}, |
| private                    | [4] IMPLICIT VendorSpecEvents             | DEFAULT {}} |

#### 1.1.5.4 MonitorType

|                            |        |       |
|----------------------------|--------|-------|
| MonitorType ::= ENUMERATED |        |       |
| {                          | call   | (0),  |
|                            | device | (1) } |

**1.1.5.5 MonitorMediaClass**

|                                  |      |
|----------------------------------|------|
| MonitorMediaClass ::= BIT STRING |      |
| {                                |      |
| voice                            | (0), |
| data                             | (1), |
| image                            | (2), |
| audio                            | (4), |
| other                            | (3)} |

**1.1.5.6 SnapshotDeviceData**

|   |
|---|
| SnapshotDeviceData ::= [APPLICATION 22] IMPLICIT SEQUENCE OF SnapshotDeviceResponseInfo |
|---|

**1.1.5.7 SnapshotDeviceResponseInfo**

|   |   |
|---|---|
| SnapshotDeviceResponseInfo ::= SEQUENCE |   |
| {                                       |   |
| connectionIdentifier                    | ConnectionID,                                   |
| localCallState                          | CallState,                                      |
| servicesPermitted                       | [0] IMPLICIT ServicesPermitted OPTIONAL,        |
| mediaServiceInfoList                    | [1] IMPLICIT DeviceMediaInfoList OPTIONAL,      |
| mediaCallCharacteristics                | [2] IMPLICIT MediaCallCharacteristics OPTIONAL} |

**1.1.5.8 DeviceMediaInfoList**

|  |                                 |
|--|---------------------------------|
| DeviceMediaInfoList ::= SEQUENCE OF SEQUENCE |                                 |
| {  |                                 |
| mediaStreamID                                | MediaStreamID OPTIONAL,         |
| connectionInformation                        | ConnectionInformation OPTIONAL} |

**1.1.5.9 SnapshotCallData**

|   |
|---|
| SnapshotCallData ::= [APPLICATION 23] IMPLICIT SEQUENCE OF SnapshotCallResponseInfo |
|---|

**1.1.5.10 SnapshotCallResponseInfo**

|                                       |  |
|---------------------------------------|--|
| SnapshotCallResponseInfo ::= SEQUENCE |  |
| {                                     |  |
| deviceOnCall                          | SubjectDeviceID,                         |
| callIdentifier                        | ConnectionID OPTIONAL,                   |
| localConnectionState                  | LocalConnectionState OPTIONAL,           |
| servicesPermitted                     | [0] IMPLICIT ServicesPermitted OPTIONAL, |
| mediaServiceInfoList                  | [1] IMPLICIT CallMediaInfoList OPTIONAL} |

**1.1.5.11 CallMediaInfoList**

|  |   |
|--|---|
| CallMediaInfoList ::= SEQUENCE OF SEQUENCE |   |
| {  |   |
| mediaServiceType                           | [0] IMPLICIT MediaServiceType,                |
| mediaServiceVersion                        | [1] IMPLICIT INTEGER OPTIONAL,                |
| mediaServiceInstance                       | [2] IMPLICIT MediaServiceInstanceID OPTIONAL, |
| mediaStreamID                              | [3] IMPLICIT MediaStreamID OPTIONAL,          |
| connectionInformation                      | [4] IMPLICIT ConnectionInformation OPTIONAL}  |

**1.1.5.12 CallState**

|                      |                                 |
|----------------------|---------------------------------|
| CallState ::= CHOICE |                                 |
| {                    |                                 |
| compoundCallState    | [0] IMPLICIT CompoundCallState, |
| simpleCallState      | [1] IMPLICIT SimpleCallState,   |
| unknown              | [2] IMPLICIT NULL }             |

**1.1.5.13 CompoundCallState**

|  |
|--|
| CompoundCallState ::= SEQUENCE OF LocalConnectionState |
|--|

### 1.1.5.14 SimpleCallState

The SimpleCallState parameter type indicates the main call states in simplified encoding. The semantics are identical to the sequence of connection states but they are represented by an item from the list below.

|                                |                       |        |        |                    |
|--------------------------------|-----------------------|--------|--------|--------------------|
| SimpleCallState ::= ENUMERATED |                       |        |        |                    |
| {                              | callNull              | (0),   | -- 00H | - null-null        |
|                                | callPending           | (1),   | -- 01H | - null-initiate    |
|                                | callOriginated        | (3),   | -- 03H | - null-connect     |
|                                | callDelivered         | (35),  | -- 23H | - alerting-connect |
|                                | callDeliveredHeld     | (36),  | -- 24H | - alerting-held    |
|                                | callReceived          | (50),  | -- 32H | - connect-alerting |
|                                | callEstablished       | (51),  | -- 33H | - connect-connect  |
|                                | callEstablishedHeld   | (52),  | -- 34H | - connected-held   |
|                                | callReceivedOnHold    | (66),  | -- 42H | - held-alerting    |
|                                | callEstablishedOnHold | (67),  | -- 43H | - held-connect     |
|                                | callQueued            | (83),  | -- 53H | - queued-connect   |
|                                | callQueuedHeld        | (84),  | -- 54H | - queued-held      |
|                                | callFailed            | (99),  | -- 63H | - failed-connect   |
|                                | callFailedHeld        | (100), | -- 64H | - failed-held      |
|                                | callBlocked           | (96)}  | -- 60H | - failed-null      |

## 1.1.6 Device and Feature Types and Other Parameters

### 1.1.6.1 AccountInfo

The AccountInfo parameter type contains a computing sub-domain/business specific code that is to be applied or has been applied to a call for accounting purposes.

```
AccountInfo ::= OCTET STRING (SIZE(0..32))
```

### 1.1.6.2 AgentID

The AgentID parameter type identifies an ACD agent.

```
AgentID ::= OCTET STRING (SIZE(0..32))
```

### ~~1.1.6.3 AgentPassword~~

~~The AgentPassword parameter type specifies the password for an ACD agent.~~

```
AgentPassword ::= OCTET STRING (SIZE(0..32))
```

### 1.1.6.4 AgentState

|                           |                            |
|---------------------------|----------------------------|
| AgentState ::= ENUMERATED |                            |
| {                         | agentNotReady (0),         |
|                           | agentNull (1),             |
|                           | agentReady (2),            |
|                           | agentBusy (3),             |
|                           | agentWorkingAfterCall (4)} |

### ~~1.1.6.5 AuthCode~~

~~The AuthCode parameter type contains an authorization code that the switching function understands and will use to check if the computing function is authorized to perform a given service.~~

```
AuthCode ::= OCTET STRING (SIZE(0..32))
```

### ~~1.1.6.6 CorrelatorData~~

~~The CorrelatorData parameter type contains computing sub-domain specific data that has been or will be attached to a call that the computing function is controlling or monitoring. This allows the computing function to associate its own information with a call and, as a result, share it with other computing functions. For example, this information might be a key to a database entry, a computing function command sequence, file name, etc. This feature is useful when calls are moving from one computing function to another in a distributed computer network or from one switching sub-domain to another.~~

```
CorrelatorData ::= OCTET STRING (SIZE(0..32))
```

### 1.1.6.7 IOCrossRefID

The IOCrossRefID parameter type identifies each I/O data path. The computing function receives a IOCrossRefID in each I/O service request. The Start Data Path service initiates an I/O data path. The IOCrossRefID is only valid for the duration of the data path.

The IOCrossRefID is unique within the I/O registration (IORegisterReqID). Some switching functions may provide the additional benefit of a unique IOCrossRefID across the entire switching sub-domain. This is also the case if I/O registration is not supported by the switching function.

The parameter type also specifies if the switching function or the computing function started the data path.

```
IOCrossRefID ::= CHOICE
{
  switchProvided [0] OCTET STRING (SIZE(0..4)),
  computerProvided [1] OCTET STRING (SIZE(0..4))
}
```

### 1.1.6.8 IORegisterReqID

The IORegisterReqID parameter type identifies a I/O registration for which the computing function (acting as an I/O server) will receive I/O service requests. This identifier may be associated with a particular device within the switching sub-domain or it may indicate that the computing sub-domain is the I/O server for all devices within the switching sub-domain. When the computing function uses the I/O Register service to register for I/O services, it receives a IORegisterReqID in the positive acknowledgement sent by the switching function. The IORegisterReqID is only valid until the I/O registration is ended by the computing function or switching function.

IORegisterReqID parameters are unique across a given CSTA service boundary.

```
IORegisterReqID ::= OCTET STRING (SIZE(0..4))
```

### 1.1.6.9 MessageID

The MessageID parameter type specifies a particular Voice Unit message.

```
MessageID ::= OCTET STRING
```

### 1.1.6.10 ParticipationType

```
ParticipationType ::= ENUMERATED
{
  silent (0),
  active (1)
}
```

### 1.1.6.11 RouteRegisterReqID

The RouteRegisterReqID parameter type identifies a routing registration for which the computing function (acting as a routing server) will receive routing requests. This identifier may be associated with a particular routing device within the switching sub-domain or it may indicate that the computing sub-domain is the routing server for all routing devices within the switching sub-domain. When the computing function uses the Route Register service to register for routing services, it receives a routeRegisterReqID in the positive acknowledgement sent by the switching function. The routeRegisterReqID is only valid until the routing registration is ended by the computing function or switching function.

routeRegisterReqID parameters are unique across a given CSTA service boundary.

```
RouteRegisterReqID ::= OCTET STRING (SIZE(0..4))
```

### 1.1.6.12 RouteingCrossRefID

The routeingCrossRefID parameter type identifies each routeing dialogue. The computing function receives a routeingCrossRefID in each Route Request service request. The Route Request service initiates a routeing dialogue. The routeingCrossRefID is only valid for the duration of the routeing dialogue pertaining to a specific call.

The routeingCrossRefID is unique within the routeing registration (routeRegisterReqID). Some switching functions may provide the additional benefit of a unique routeing cross reference identifier across the entire switching sub-domain. This is also the case if routeing registration is not supported by the switching function.

```
RouteingCrossRefID ::= [APPLICATION 24] IMPLICIT OCTET STRING (SIZE(0..4))
```

### 1.1.6.13 SelectValue

```
SelectValue ::= ENUMERATED
{
  normal (0),
  leastCost (1),
  emergency (2),
  aCD (3),
  userDefined (4)
}
```

### 1.1.6.14 RetryValue

```
RetryValue ::= CHOICE -- used in RouteSelect Request service
{
  noListAvailable [0] IMPLICIT BOOLEAN,
  noCountAvailable [1] IMPLICIT BOOLEAN,
  retryCount [2] IMPLICIT INTEGER
}
```

### 1.1.6.15 SysStatRegisterID

The SysStatRegisterID parameter type is used to identify system status registration.

```
SysStatRegisterID ::= OCTET STRING (SIZE(0..4))
```

### 1.1.6.16 SystemStatus

The SystemStatus parameter type indicates the reason for the System Status service request.

```
SystemStatus ::= ENUMERATED
{
  disabled (4),
  partiallyDisabled (8),
  enabled (1),
  initializing (0),
  messagesLost (3),
  normal (2),
  overloadImminent (5),
  overloadReached (6),
  overloadRelieved (7)
}
```

### 1.1.6.17 CallOrigination

```
CallOrigination ::= BIT STRING
{
  internal (0),
  external (1)
}
```

### 1.1.6.18 ForwardList

```
ForwardList ::= SEQUENCE OF SEQUENCE
{
  forwardingType ForwardingType OPTIONAL,
  forwardStatus BOOLEAN,
  forwardDN DeviceID OPTIONAL,
  forwardDefault ForwardDefault OPTIONAL,
  ringCount INTEGER (1..100) OPTIONAL
}
```

### 1.1.6.19 ForwardingType

```
ForwardingType ::= ENUMERATED -- ISO
{
  forwardImmediate (0),

```

|                 |       |
|-----------------|-------|
| forwardBusy     | (1),  |
| forwardNoAns    | (2),  |
| forwardDND      | (9),  |
| forwardBusyInt  | (3),  |
| forwardBusyExt  | (4),  |
| forwardNoAnsInt | (5),  |
| forwardNoAnsExt | (6),  |
| forwardImmInt   | (7),  |
| forwardImmExt   | (8),  |
| forwardDNDInt   | (10), |
| forwardDNDExt   | (11)} |

### 1.1.6.20 ForwardDefault

|                               |                                 |
|-------------------------------|---------------------------------|
| ForwardDefault ::= ENUMERATED |                                 |
| {                             | forwardingTypeAndForwardDN (0), |
|                               | forwardingType (1),             |
|                               | forwardDN (2)}                  |

### 1.1.6.21 PendingAgentState

In case an agent changes his/her state during an ACD-call (state: ACD-Busy), the next state is reported as PendingAgentState.

|                                  |                            |
|----------------------------------|----------------------------|
| PendingAgentState ::= ENUMERATED |                            |
| {                                | agentNotReady (0),         |
|                                  | agentNull (1),             |
|                                  | agentReady (2),            |
|                                  | agentWorkingAfterCall (3)} |

### 1.1.6.22 DataPathType

|                             |            |
|-----------------------------|------------|
| DataPathType ::= ENUMERATED |            |
| {                           | text (0),  |
|                             | voice (1)} |

### 1.1.6.23 DisplayAttributeList

|                                   |   |
|-----------------------------------|---|
| DisplayAttributeList ::= SEQUENCE |   |
| {                                 | physicalBaseRowNumber [0] IMPLICIT INTEGER OPTIONAL,    |
|                                   | physicalBaseColumnNumber [1] IMPLICIT INTEGER OPTIONAL, |
|                                   | offset [2] IMPLICIT INTEGER OPTIONAL}                   |

### 1.1.6.24 TerminatingConditions

|                                      |                           |
|--------------------------------------|---------------------------|
| TerminatingConditions ::= BIT-STRING |                           |
| {                                    | durationExceeded (0),     |
|                                      | dTMFDigitDetected (1),    |
|                                      | endOfMessageDetected (2), |
|                                      | speechDetected (3)}       |

### 1.1.6.25 AttributeInfo

|                          |   |
|--------------------------|---|
| AttributeInfo ::= CHOICE |   |
| {                        | encodingAlgorithm [0] IMPLICIT EncodingAlgorithm, |
|                          | samplingRate [1] IMPLICIT INTEGER,                |
|                          | duration [2] IMPLICIT INTEGER,                    |
|                          | filename [3] IMPLICIT IA5String,                  |
|                          | currentPosition [4] IMPLICIT INTEGER,             |
|                          | currentSpeed [5] IMPLICIT INTEGER,                |
|                          | currentVolume [6] IMPLICIT INTEGER (0..100),      |
|                          | currentGain [7] IMPLICIT INTEGER (0..100),        |
|                          | currentState [8] IMPLICIT CurrentState }          |

### 1.1.6.26 EncodingAlgorithm

|                                  |                 |
|----------------------------------|-----------------|
| EncodingAlgorithm ::= ENUMERATED |                 |
| {                                | aDPCM6K (0),    |
|                                  | aDPCM8K (1),    |
|                                  | muLawPCM6K (2), |
|                                  | aLawPCM6K (3)}  |

### 1.1.6.27 CurrentState

```
CurrentState ::= ENUMERATED
{
  stop (0),
  play (1),
  record (2),
  suspendPlay (3),
  suspendRecord (4),
  review (5)}

```

### 1.1.6.28 ControlData

```
ControlData ::= SEQUENCE
{
  gender ENUMERATED
    {male (0),
     female (1)},
  language OCTET STRING}

```

### 1.1.6.29 UserData

The UserData parameter type contains computing sub-domain to computing sub-domain data. Note that the capabilities exchange services return the maximum length of the user data for a switching function.

```
UserData ::= [APPLICATION 29] OCTET STRING (SIZE(0..256))

```

### 1.1.6.30 TelephonyTone

```
TelephonyTone ::= ENUMERATED
{
  beep (0),
  billing (1),
  busy (2),
  carrier (3),
  confirmation (4),
  dial (5),
  faxCNG (6),
  hold (7),
  howler (8),
  intrusion (9),
  modemCNG (10),
  park (11),
  recordWarning (12),
  reorder (13),
  ringback (14),
  silence (15),
  sitVC (16),
  sitIC (17),
  sitRO (18),
  sitNC (19),
  switchSpec0 (20),
  switchSpec1 (21),
  switchSpec2 (22),
  switchSpec3 (23),
  switchSpec4 (24),
  switchSpec5 (25),
  switchSpec6 (26),
  switchSpec7 (27),
  switchSpec8 (28),
  switchSpec9 (29),
  switchSpec10 (30),
  switchSpec11 (31),
  switchSpec12 (32),
  switchSpec13 (33),
  switchSpec14 (34),
  switchSpec15 (35),
  switchSpec16 (36),
  switchSpec17 (37),
  switchSpec18 (38),
  switchSpec19 (39),
  switchSpec20 (40),
  switchSpec21 (41),
  switchSpec22 (42),
  switchSpec23 (43),
}

```

|              |        |
|--------------|--------|
| switchSpec24 | (44),  |
| switchSpec25 | (45),  |
| switchSpec26 | (46),  |
| switchSpec27 | (47),  |
| switchSpec28 | (48),  |
| switchSpec29 | (49),  |
| switchSpec30 | (50),  |
| switchSpec31 | (51),  |
| switchSpec32 | (52),  |
| switchSpec33 | (53),  |
| switchSpec34 | (54),  |
| switchSpec35 | (55),  |
| switchSpec36 | (56),  |
| switchSpec37 | (57),  |
| switchSpec38 | (58),  |
| switchSpec39 | (59),  |
| switchSpec40 | (60),  |
| switchSpec41 | (61),  |
| switchSpec42 | (62),  |
| switchSpec43 | (63),  |
| switchSpec44 | (64),  |
| switchSpec45 | (65),  |
| switchSpec46 | (66),  |
| switchSpec47 | (67),  |
| switchSpec48 | (68),  |
| switchSpec49 | (69),  |
| switchSpec50 | (70),  |
| switchSpec51 | (71),  |
| switchSpec52 | (72),  |
| switchSpec53 | (73),  |
| switchSpec54 | (74),  |
| switchSpec55 | (75),  |
| switchSpec56 | (76),  |
| switchSpec57 | (77),  |
| switchSpec58 | (78),  |
| switchSpec59 | (79),  |
| switchSpec60 | (80),  |
| switchSpec61 | (81),  |
| switchSpec62 | (82),  |
| switchSpec63 | (83),  |
| switchSpec64 | (84),  |
| switchSpec65 | (85),  |
| switchSpec66 | (86),  |
| switchSpec67 | (87),  |
| switchSpec68 | (88),  |
| switchSpec69 | (89),  |
| switchSpec70 | (90),  |
| switchSpec71 | (91),  |
| switchSpec72 | (92),  |
| switchSpec73 | (93),  |
| switchSpec74 | (94),  |
| switchSpec75 | (95),  |
| switchSpec76 | (96),  |
| switchSpec77 | (97),  |
| switchSpec78 | (98),  |
| switchSpec79 | (99),  |
| switchSpec80 | (100), |
| switchSpec81 | (101), |
| switchSpec82 | (102), |
| switchSpec83 | (103), |
| switchSpec84 | (104), |
| switchSpec85 | (105), |
| switchSpec86 | (106), |
| switchSpec87 | (107), |
| switchSpec88 | (108), |
| switchSpec89 | (109), |
| switchSpec90 | (110), |
| switchSpec91 | (111), |
| switchSpec92 | (112), |
| switchSpec93 | (113), |
| switchSpec94 | (114), |

|               |        |
|---------------|--------|
| switchSpec95  | (115), |
| switchSpec96  | (116), |
| switchSpec97  | (117), |
| switchSpec98  | (118), |
| switchSpec99  | (119), |
| switchSpec100 | (120)  |

## 1.1.7 Security

### 1.1.7.1 CSTASecurityData

The CSTASecurityData parameter type provides information that can be used to determine if a message in a sequence has been lost, the time that a message was sent, and security information that can be used to provide security such as access control and authentication.

```
CSTASecurityData ::= SEQUENCE
{
  messageSequenceNumber [0] IMPLICIT INTEGER OPTIONAL,
  timestamp               TimeInfo           OPTIONAL,
  securityInfo            SecurityInfo       OPTIONAL}

```

### 1.1.7.2 SecurityInfo

Shall indicate the security data that may be used to make appropriate access control decisions or to carry out the current security policy. This contents of this information is not defined by this Standard. This component is a choice of one of the following:

```
SecurityInfo ::= CHOICE
{
  string          OCTET STRING,
  private         NULL}
-- The actual encoding is added here,
-- replacing NULL with another valid ASN.1 type.

```

### 1.1.7.3 TimeInfo

The TimeInfo parameter type provides the calendar date and the time of day. There are three possible value representations: as local time, coordinated universal time, or as local time with a time differential factor. All representations use a four character representation of the year.

```
TimeInfo ::= GeneralizedTime
```

## 1.1.8 Common Extensions

### 1.1.8.1 CSTACommonArguments

```
CSTACommonArguments ::= [APPLICATION 30] IMPLICIT SEQUENCE
{
  security          [0] IMPLICIT CSTASecurityData           OPTIONAL,
  privateData      [1] IMPLICIT SEQUENCE OF CSTAPrivateData OPTIONAL}

```

### 1.1.8.2 CSTAPrivateData

The PrivateData parameter type provides a mechanism for providing non-standard parameters in messages.

```
CSTAPrivateData ::= CHOICE
{
  string          OCTET STRING,
  private         PrivateData}

```

### 1.1.8.3 PrivateData

```
PrivateData ::= [PRIVATE 1] IMPLICIT SEQUENCE
{
  manufacturer      OBJECT IDENTIFIER, -- Siemens-OBJECT IDENTIFIER
  -- + 1 Byte SubID
  pnPrivateData     OCTET STRING}

```

## 1.1.9 Call Control

### 1.1.9.1 AutoOriginate

```
AutoOriginate ::= ENUMERATED
{
  prompt (0),
  doNotPrompt (1)}

```

### 1.1.9.2 CallCharacteristics

The CallCharacteristics parameter type describes, when included on an event, the high level characteristics associated with a call. When this parameter is included on a switching function service request, it indicates the requested set of high level characteristics that should be associated with the call.

```
CallCharacteristics ::= BIT STRING
{
  acdCall (0),
  priorityCall (1),
  maintainanceCall (2),
  directAgent (3),
  assistCall (4),
  voiceUnitCall (5)}

```

### 1.1.9.3 CallQualifyingData

The CallQualifyingData parameter type specifies information such as wrap codes, walk away codes, hold reasons, transfer reasons, etc. that describes or helps qualify how a call is being (or has been) handled by a user.

```
CallQualifyingData ::= OCTET STRING (SIZE(0..32))

```

### 1.1.9.4 ConsultOptions

```
ConsultOptions ::= ENUMERATED
{
  unrestricted (0),
  consultOnly (1),
  transferOnly (2),
  conferenceOnly (3)}

```

### 1.1.9.5 NetworkCapability

```
NetworkCapability ::= SEQUENCE
{
  networkType ENUMERATED
  {
    iSDNPublic (0),
    noniSDNPublic (1),
    iSDNPrivate (2),
    noniSDNPrivate (3),
    other (4) },
  eventsProvided BIT STRING
  {
    bridged (0),
    callCleared (1),
    conferenced (2),
    connectionCleared (3),
    delivered (4),
    digitsDialed (5),
    diverted (6),
    established (7),
    failed (8),
    held (9),
    networkCapabilitiesChange (10),
    networkReached (11),
    offered (12),
    originated (13),
    queued (14),
    retrieved (15),
    serviceInitiated (16),
    transferred (17) } OPTIONAL}

```

**1.1.9.6 ProgressIndicator**

```

ProgressIndicator ::= SEQUENCE
{
  progressLocation ENUMERATED
  {
    user (0),
    privateNetServingLocal (1),
    publicNetServingLocal (2),
    transitNetwork (3),
    publicNetServingRemote (4),
    privateNetServingRemote (5),
    localInterface (6),
    internationalNetwork (7),
    networkBeyondInterwk (8),
    other (9) },
  progressDescription ENUMERATED
  {
    iSDNProgressDesc (0),
    qSIGProgressDesc (1),
    other (2) }}
    
```

**1.1.9.7 ServicesPermitted**

The ServicesPermitted parameter type specifies the set of services that the switching function permits to be applied to a connection.

The servicesPermitted parameter (when provided in a call event) is similar to the localConnectionInfo parameter in that it applies to the services permitted for the connection at the monitored device.

This parameter type is only applicable for events generated by device-type monitors.

```

ServicesPermitted ::= SEQUENCE
{
  callControlServices CallControlServices,
  callAssociatedServices CallAssociatedServices,
  mediaAttachmentServices MediaAttachmentServices,
  routingServices RoutingServices,
  voiceUnitServices VoiceUnitServices}
    
```

**1.1.10 Capability Exchange**

**Note:** In the following chapters the bitstrings are not reduced to the implementation of OpenScope Business. However OpenScope Business presents the switching capabilities when **getSwitchingFunctionCapabilities** is invoked.

**1.1.10.1 ServiceCrossRefID**

The ServiceCrossRefID parameter type specifies an identifier that is used to correlate one service request to another service request.

For example, a service may be specified to request information from a switching function using an asynchronous mechanism. In this case there would be a service request from the computing function requesting information. The switching function would return a ServiceCrossRefID in the positive acknowledgement to this request. The switching function would subsequently send messages in the form of Service Requests to the computing function that would contain the same ServiceCrossRefID that could be used to correlate the service request with the original service request.

```

ServiceCrossRefID ::= OCTET STRING (SIZE(0..4))
    
```

**1.1.10.2 LogDevServList**

```

LogDevServList ::= SEQUENCE
{
  callControlServList [0] IMPLICIT CallControlServList OPTIONAL,
  callAssociatedServList [1] IMPLICIT CallAssociatedServList OPTIONAL,
  logicalServList [2] IMPLICIT LogicalServList OPTIONAL,
  mediaServList [3] IMPLICIT MediaServList OPTIONAL,
  iOServicesServList [4] IMPLICIT IOServicesServList OPTIONAL,
  dataCollectionServList [5] IMPLICIT DataCollectionServList OPTIONAL,
  voiceUnitServList [6] IMPLICIT VoiceUnitServList OPTIONAL}
    
```

**1.1.10.3 LogDevEvtsList**

|                             |                        |                                     |           |
|-----------------------------|------------------------|-------------------------------------|-----------|
| LogDevEvtsList ::= SEQUENCE |                        |                                     |           |
| {                           | callControlEvtsList    | [0] IMPLICIT CallControlEvtsList    | OPTIONAL, |
|                             | callAssociatedEvtsList | [1] IMPLICIT CallAssociatedEvtsList | OPTIONAL, |
|                             | logicalEvtsList        | [2] IMPLICIT LogicalEvtsList        | OPTIONAL, |
|                             | mediaEvtsList          | [3] IMPLICIT MediaEvtsList          | OPTIONAL, |
|                             | voiceUnitEvtsList      | [4] IMPLICIT VoiceUnitEvtsList      | OPTIONAL} |

**1.1.10.4 CapExchangeServList**

|                                  |                              |   |           |
|----------------------------------|------------------------------|---|-----------|
| CapExchangeServList ::= SEQUENCE |                              |   |           |
| {                                | getLogicalDeviceInformation  | [0] IMPLICIT GetLogicalDeviceInformation  | OPTIONAL, |
|                                  | getPhysicalDeviceInformation | [1] IMPLICIT GetPhysicalDeviceInformation | OPTIONAL, |
|                                  | getSwitchingFunctionCaps     | NULL,                                     |           |
|                                  | getSwitchingFunctionDevices  | [2] IMPLICIT GetSwitchingFunctionDevices  | OPTIONAL, |
|                                  | switchingFunctionDevices     | [3] IMPLICIT SwitchingFunctionDevices     | OPTIONAL} |

**1.1.10.5 GetLogicalDeviceInformation**

|  |       |
|--|-------|
| GetLogicalDeviceInformation ::= BIT STRING |       |
| {  | ( 0), |
| privateDataInReq                           | ( 1), |
| namedDeviceTypeInAck                       | ( 2), |
| shortFormDeviceIDInAck                     | ( 3), |
| miscMonitorCapsInAck                       | ( 4), |
| maxCallbacksInAck                          | ( 5), |
| maxAutoAnswerRingsInAck                    | ( 6), |
| maxActiveCallsInAck                        | ( 7), |
| maxHeldCallsInAck                          | ( 8), |
| maxFwdSettingsInAck                        | ( 9), |
| maxDevicesInConflnAck                      | (10), |
| transAndConfSetupParameter                 | (11), |
| transAndConfSetupConsultationInAck         | (12), |
| transAndConfSetupHoldMakeInAck             | (13), |
| transAndConfSetupAlternatInAck             | (14), |
| transAndConfSetupTwoCallsHoldInAck         | (15), |
| transAndConfSetupTwoCallsConnectedInAck    | (16), |
| mediaClassSupportInAck                     | (17), |
| connectionRateListInAck                    | (18), |
| delayToleranceListInAck                    | (19), |
| numberOfChannelsInAck                      | (20), |
| maxChannelBindInAck                        | (21)} |
| privateDataInAck                           |       |

**1.1.10.6 GetPhysicalDeviceInformation**

|   |       |
|---|-------|
| GetPhysicalDeviceInformation ::= BIT STRING |       |
| {   | ( 0), |
| privateDataInReq                            | ( 1), |
| namedDeviceTypesInAck                       | ( 2), |
| otherLogicalDeviceListInAck                 | ( 3), |
| deviceModelNameInAck                        | ( 4), |
| maxDisplaysInAck                            | ( 5), |
| maxButtonsInAck                             | ( 6), |
| maxLampsInAck                               | ( 7), |
| maxRingPatternsInAck                        | ( 8)} |
| privateDataInAck                            |       |

**1.1.10.7 GetSwitchingFunctionDevices**

```

GetSwitchingFunctionDevices ::= BIT STRING
{
  requestedDeviceID          ( 0),
  requestedDeviceCategoryACD ( 1),
  requestedDeviceCategoryACDGroup ( 2),
  requestedDeviceCategoryHuntGroup ( 3),
  requestedDeviceCategoryPickGroup ( 4),
  requestedDeviceCategoryOtherGroup ( 5),
  requestedDeviceCategoryNetwInterface ( 6),
  requestedDeviceCategoryPark ( 7),
  requestedDeviceCategoryRouteingDevice ( 8),
  requestedDeviceCategoryStation ( 9),
  requestedDeviceCategoryVoiceUnit (10),
  requestedDeviceCategoryOther (11),
  -----privateData----- (12),
  -----privateDataInAck----- (13)}

```

**1.1.10.8 SwitchingFunctionDevices**

```

SwitchingFunctionDevices ::= BIT STRING
{
  segmentID ( 0),
  deviceListDeviceCategory ( 1),
  -----deviceListNamedDeviceTypes----- ( 2),
  -----deviceListDeviceAttributes----- ( 3),
  -----deviceListDeviceName----- ( 4),
  -----privateData----- ( 5)}

```

**1.1.10.9 SystemStatusServList**

```

SystemStatusServList ::= SEQUENCE
{
  -----changeSystemStatusFilter----- [ 0] IMPLICIT ChangeSystemStatusFilter ----- OPTIONAL,
  -----systemRegister----- [ 1] IMPLICIT SystemRegister ----- OPTIONAL,
  -----systemStatusRegisterAbort----- [ 2] IMPLICIT SystemStatusRegisterAbort ----- OPTIONAL,
  -----systemStatusRegisterCancel----- [ 3] IMPLICIT SystemStatusRegisterCancel ----- OPTIONAL,
  -----requestSystemStatus----- [ 4] IMPLICIT RequestSystemStatus ----- OPTIONAL,
  -----systemStatus----- [ 5] IMPLICIT SystemStatus ----- OPTIONAL,
  -----swFunctionCapsChanged----- [ 6] IMPLICIT SwFunctionCapsChanged ----- OPTIONAL,
  -----swFunctionDevicesChanged----- [ 7] IMPLICIT SwFunctionDevicesChanged ----- OPTIONAL}

```

**1.1.10.10 ChangeSystemStatusFilter**

```

ChangeSystemStatusFilter ::= BIT STRING
{
  -----requestedStatusFilterInitializing----- ( 0), -- optional parameters
  -----requestedStatusFilterEnabled----- ( 1), -- optional parameters
  -----requestedStatusFilterNormal----- ( 2), -- optional parameters
  -----requestedStatusFilterMessageLost----- ( 3), -- optional parameters
  -----requestedStatusFilterDisabled----- ( 4), -- optional parameters
  -----requestedStatusFilterPartiallyDisabled----- ( 5), -- optional parameters
  -----requestedStatusFilterOverloadImminent----- ( 6), -- optional parameters
  -----requestedStatusFilterOverloadReached----- ( 7), -- optional parameters
  -----requestedStatusFilterOverloadRelieved----- ( 8), -- optional parameters
  -----privateData----- ( 9), -- optional parameters
  -----privateDataInAck----- (10)} -- optional parameters

```

**1.1.10.11—SystemRegister**

```

SystemRegister ::= BIT STRING
{
  requestTypesSystemStatus          (0), -- optional parameters
  requestTypesRequestSystemStatus  (1), -- optional parameters
  statusFilterInitializing          (2), -- optional parameters
  statusFilterEnabled               (3), -- optional parameters
  statusFilterNormal                (4), -- optional parameters
  statusFilterMessageLost           (5), -- optional parameters
  statusFilterDisabled              (6), -- optional parameters
  statusFilterPartiallyDisabled     (7), -- optional parameters
  statusFilterOverloadImminent     (8), -- optional parameters
  statusFilterOverloadReached       (9), -- optional parameters
  statusFilterOverloadRelieved     (10), -- optional parameters
  privateDataOctetString            (11), -- optional parameters
  privateData                       (12), -- optional parameters
  privateDataOctetStringInAck      (13), -- optional parameters
  privateDataInAck                 (14)} -- optional parameters

```

**1.1.10.12—SystemStatusRegisterCancel**

```

SystemStatusRegisterCancel ::= BIT STRING
{
  privateData          (0), -- optional parameters
  privateDataInAck    (1)} -- optional parameters

```

**1.1.10.13—SystemStatusRegisterAbort**

```

SystemStatusRegisterAbort ::= BIT STRING
{
  privateData          (0), -- optional parameters
  privateDataInAck    (1)} -- optional parameters

```

**1.1.10.14 RequestSystemStatus**

```

RequestSystemStatus ::= BIT STRING
{
  privateDataInReq          (0), -- optional parameters
  systemStatusInitializing (1), -- optional parameters
  systemStatusEnabled      (2), -- optional parameters
  systemStatusNormal       (3), -- optional parameters
  systemStatusMessageLost  (4), -- optional parameters
  systemStatusDisabled     (5), -- optional parameters
  systemStatusPartiallyDisabled (6), -- optional parameters
  systemStatusOverloadImminent (7), -- optional parameters
  systemStatusOverloadReached (8), -- optional parameters
  systemStatusOverloadRelieved (9), -- optional parameters
  privateDataInAck         (10), -- optional parameters
  switchingFunctionSupportsSending (11), -- misc characteristics
  switchingFunctionSupportsReceiving (12)} -- misc characteristics

```

**1.1.10.15 SystemStatus**

```

SystemStatus ::= BIT STRING
{
  systemStatusInitializing (0), -- optional parameters
  systemStatusEnabled     (1), -- optional parameters
  systemStatusNormal      (2), -- optional parameters
  systemStatusMessageLost (3), -- optional parameters
  systemStatusDisabled    (4), -- optional parameters
  systemStatusPartiallyDisabled (5), -- optional parameters
  systemStatusOverloadImminent (6), -- optional parameters
  systemStatusOverloadReached (7), -- optional parameters
  systemStatusOverloadRelieved (8), -- optional parameters
  privateData             (9), -- optional parameters
  privateDataInAck       (10), -- optional parameters
  switchingFunctionSupportsSending (11), -- misc characteristics
  switchingFunctionSupportsReceiving (12)} -- misc characteristics

```

**1.1.10.16—SwFunctionCapsChanged**

```

SwFunctionCapsChanged ::= BIT STRING
{
  privateData          (0), -- optional parameters
  privateDataInAck    (1)} -- optional parameters

```

**1.1.10.17 SwFunctionDevicesChanged**

```
SwFunctionDevicesChanged ::= BIT STRING
{
  privateData (0), -- optional parameters
  privateDataInAck (1) -- optional parameters
}
```

**1.1.10.18 MonitoringServList**

```
MonitoringServList ::= SEQUENCE
{
  changeMonitorFilter [ 0] IMPLICIT ChangeMonitorFilter OPTIONAL,
  monitorStart [ 1] IMPLICIT MonitorStart OPTIONAL,
  monitorStop [ 2] IMPLICIT MonitorStop OPTIONAL}
}
```

**1.1.10.19 ChangeMonitorFilter**

```
ChangeMonitorFilter ::= BIT STRING
{
  privateData (0), -- optional parameters
  privateDataInAck (1) -- optional parameters
}
```

**1.1.10.20 MonitorStart**

```
MonitorStart ::= BIT STRING
{
  monitorObjectDevice ( 0), -- optional parameters
  monitorObjectCall ( 1), -- optional parameters
  requestedMonitorFilter ( 2), -- optional parameters
  monitorTypeCall ( 3), -- optional parameters
  monitorTypeDevice ( 4), -- optional parameters
  monitorMediaClassParameter ( 5), -- optional parameters
  monitorMediaClassAudio ( 6), -- optional parameters
  monitorMediaClassData ( 7), -- optional parameters
  monitorMediaClassImage ( 8), -- optional parameters
  monitorMediaClassVoice ( 9), -- optional parameters
  monitorExistingCallsInAck (10), -- optional parameters
  privateDataInAck (11), -- optional parameters
  callIDOnly (12), -- miscellaneous characteristics
  swDomainDefaultForMonitorTypesDevice (13) -- miscellaneous characteristics}
}
```

**1.1.10.21 MonitorStop**

```
MonitorStop ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  privateDataInAck ( 1), -- optional parameters
  switchingFunctionSupportsSending ( 2), -- misc characteristics
  switchingFunctionSupportsReceiving ( 3) -- misc characteristics
}
```

**1.1.10.22 SnapshotServList**

```
SnapshotServList ::= SEQUENCE
{
  snapshotCall [0] IMPLICIT SnapshotCall,
  snapshotDevice [1] IMPLICIT SnapshotDevice,
  snapshotCallData [2] IMPLICIT SnapshotCallData,
  snapshotDeviceData [3] IMPLICIT SnapshotDeviceData}
}
```

**1.1.10.23 SnapshotCall**

```
SnapshotCall ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  locaConnectionStateInAck ( 1), -- optional parameters
  mediaServiceInfoListInAck ( 2), -- optional parameters
  mediaServiceVersionInAck ( 3), -- optional parameters
  mediaServiceInstanceInAck ( 4), -- optional parameters
  mediaStreamID ( 5), -- optional parameters
  connectionInformation ( 6), -- optional parameters
  mediaCallCharacteristicsInAck ( 7), -- optional parameters
  callCharacteristicsInAck ( 8), -- optional parameters
  callingDeviceInAck ( 9), -- optional parameters
  calledDeviceInAck (10), -- optional parameters
  privateDataInAck (11), -- optional parameters
  callIDOnly (12), -- miscellaneous characteristics
  reportsWithSnapsCallData (13) -- miscellaneous characteristics
}
```

**1.1.10.24 SnapshotDevice**

|                               |                                 |  |
|-------------------------------|---------------------------------|--|
| SnapshotDevice ::= BIT STRING |                                 |  |
| {                             | privateData                     | ( 0), -- optional parameters           |
|                               | localCallStateCompoundCallState | ( 1), -- optional parameters           |
|                               | localCallStateSimpleCallState   | ( 2), -- optional parameters           |
|                               | localCallStateUnknown           | ( 3), -- optional parameters           |
|                               | mediaServiceInfoListInAck       | ( 4), -- optional parameters           |
|                               | mediaServiceVersionInAck        | ( 5), -- optional parameters           |
|                               | mediaServiceInstanceInAck       | ( 6), -- optional parameters           |
|                               | mediaStreamID                   | ( 7), -- optional parameters           |
|                               | connectionInformation           | ( 8), -- optional parameters           |
|                               | mediaCallCharacteristicsInAck   | ( 9), -- optional parameters           |
|                               | privateDataInAck                | (10), -- optional parameters           |
|                               | reportsWithSnapsDeviceData      | (11)} -- miscellaneous characteristics |

**1.1.10.25 SnapshotCallData**

|                                 |                             |                              |
|---------------------------------|-----------------------------|------------------------------|
| SnapshotCallData ::= BIT STRING |                             |                              |
| {                               | segmentID                   | ( 0), -- optional parameters |
|                                 | localConnectionState        | ( 1), -- optional parameters |
|                                 | mediaServiceInformationList | ( 2), -- optional parameters |
|                                 | mediaServiceVersion         | ( 3), -- optional parameters |
|                                 | mediaServiceInstance        | ( 4), -- optional parameters |
|                                 | mediaStreamID               | ( 5), -- optional parameters |
|                                 | connectionInformation       | ( 6), -- optional parameters |
|                                 | privateData                 | ( 7)} -- optional parameters |

**1.1.10.26 SnapshotDeviceData**

|                                   |                                 |                              |
|-----------------------------------|---------------------------------|------------------------------|
| SnapshotDeviceData ::= BIT STRING |                                 |                              |
| {                                 | segmentID                       | ( 0), -- optional parameters |
|                                   | localCallStateCompoundCallState | ( 1), -- optional parameters |
|                                   | localCallStateSimpleCallState   | ( 2), -- optional parameters |
|                                   | localCallStateUnknown           | ( 3), -- optional parameters |
|                                   | mediaServiceInformationList     | ( 4), -- optional parameters |
|                                   | mediaServiceVersion             | ( 5), -- optional parameters |
|                                   | mediaServiceInstance            | ( 6), -- optional parameters |
|                                   | mediaStreamID                   | ( 7), -- optional parameters |
|                                   | connectionInformation           | ( 8), -- optional parameters |
|                                   | mediaCallCharacteristics        | ( 9), -- optional parameters |
|                                   | privateData                     | (10)} -- optional parameters |

**1.1.10.27 CallControlServList**

|                                  |                      |                                    |           |
|----------------------------------|----------------------|------------------------------------|-----------|
| CallControlServList ::= SEQUENCE |                      |                                    |           |
| {                                | acceptCall           | [0] IMPLICIT AcceptCall            | OPTIONAL, |
|                                  | alternateCall        | [1] IMPLICIT AlternateCall         | OPTIONAL, |
|                                  | answerCall           | [2] IMPLICIT AnswerCall            | OPTIONAL, |
|                                  | callBack             | [3] IMPLICIT CallBack              | OPTIONAL, |
|                                  | callBackMessage      | [4] IMPLICIT CallBackMessage       | OPTIONAL, |
|                                  | campOnCall           | [5] IMPLICIT CampOnCall            | OPTIONAL, |
|                                  | clearCall            | [6] IMPLICIT ClearCall             | OPTIONAL, |
|                                  | clearConnection      | [7] IMPLICIT ClearConnection       | OPTIONAL, |
|                                  | conferenceCall       | [8] IMPLICIT ConferenceCall        | OPTIONAL, |
|                                  | consultationCall     | [9] IMPLICIT ConsultationCall      | OPTIONAL, |
|                                  | deflectCall          | [10] IMPLICIT DeflectCall          | OPTIONAL, |
|                                  | dialDigits           | [11] IMPLICIT DialDigits           | OPTIONAL, |
|                                  | directedPickupCall   | [12] IMPLICIT DirectedPickupCall   | OPTIONAL, |
|                                  | groupPickupCall      | [13] IMPLICIT GroupPickupCall      | OPTIONAL, |
|                                  | holdCall             | [14] IMPLICIT HoldCall             | OPTIONAL, |
|                                  | intrudeCall          | [15] IMPLICIT IntrudeCall          | OPTIONAL, |
|                                  | joinCall             | [16] IMPLICIT JoinCall             | OPTIONAL, |
|                                  | makeCall             | [17] IMPLICIT MakeCall             | OPTIONAL, |
|                                  | makePredictiveCall   | [18] IMPLICIT MakePredictiveCall   | OPTIONAL, |
|                                  | parkCall             | [19] IMPLICIT ParkCall             | OPTIONAL, |
|                                  | reconnectCall        | [20] IMPLICIT ReconnectCall        | OPTIONAL, |
|                                  | retrieveCall         | [21] IMPLICIT RetrieveCall         | OPTIONAL, |
|                                  | singleStepConference | [22] IMPLICIT SingleStepConference | OPTIONAL, |
|                                  | singleStepTransfer   | [23] IMPLICIT SingleStepTransfer   | OPTIONAL, |
|                                  | transferCall         | [24] IMPLICIT TransferCall         | OPTIONAL} |

**1.1.10.28—AcceptCall**

```

AcceptCall ::= BIT STRING
{
  correlatorData          ( 0), -- optional parameters
  userData                ( 1), -- optional parameters
  privateData             ( 2), -- optional parameters
  privateDataInAck       ( 3), -- optional parameters
  deviceIDOnly            ( 4), -- misc characteristics
  ackModelMultiStep      ( 5)) -- misc characteristics}

```

**1.1.10.29 AlternateCall**

```

AlternateCall ::= BIT STRING
{
  alerting                ( 0), -- initial states heldCall
  hold                    ( 1), -- initial states heldCall
  queued                  ( 2), -- initial states heldCall
  connectionReservation  ( 3), -- optional parameters
  consultOptionConsultOnly ( 4), -- optional parameters
  consultOptionTransferOnly ( 5), -- optional parameters
  consultOptionConferenceOnly ( 6), -- optional parameters
  consultOptionUnrestricted ( 7), -- optional parameters
  privateData             ( 8), -- optional parameters
  privateDataInAck       ( 9), -- optional parameters
  deviceIDOnly            (10), -- misc characteristics
  ackModelMultiStep      (11), -- misc characteristics
  supportsOfferedModeOfAlerting (12)) -- misc characteristics}

```

**1.1.10.30 AnswerCall**

```

AnswerCall ::= BIT STRING
{
  alerting                ( 0), -- initial states
  initiated               ( 1), -- initial states
  queued                  ( 2), -- initial states
  correlatorData          ( 3), -- optional parameters
  userData                ( 4), -- optional parameters
  privateData             ( 5), -- optional parameters
  privateDataInAck       ( 6), -- optional parameters
  deviceIDOnly            ( 7), -- misc characteristics
  supportsOfferedModeOfAlerting ( 8), -- misc characteristics
  ackModelMultiStep      ( 9)) -- misc characteristics}

```

**1.1.10.31—Callback**

```

Callback ::= BIT STRING
{
  alerting                ( 0), -- initial states
  null                    ( 1), -- initial states
  failed                  ( 2), -- initial states
  queued                  ( 3), -- initial states
  callCharacteristics     ( 4), -- optional parameters
  privateData             ( 5), -- optional parameters
  targetDeviceInAck      ( 6), -- optional parameters
  privateDataInAck       ( 7), -- optional parameters
  deviceIDOnly            ( 8), -- misc characteristics
  moreCallbacksNegAck    ( 9), -- misc characteristics
  ackModelMultiStep      (10)) -- misc characteristics}

```

**1.1.10.32—CallbackMessage**

```

CallbackMessage ::= BIT STRING
{
  alerting                ( 0), -- initial states
  null                    ( 1), -- initial states
  failed                  ( 2), -- initial states
  queued                  ( 3), -- initial states
  privateData             ( 4), -- optional parameters
  targetDeviceInAck      ( 5), -- optional parameters
  privateDataInAck       ( 6), -- optional parameters
  deviceIDOnly            ( 7), -- misc characteristics
  moreCallbacksNegAck    ( 8), -- misc characteristics
  ackModelMultiStep      ( 9)) -- misc characteristics}

```

**1.1.10.33 CampOnCall**

```

CampOnCall ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  privateDataInAck ( 1), -- optional parameters
  deviceIDOnly ( 2), -- misc characteristics
  ackModelMultiStep ( 3)) -- misc characteristics}

```

**1.1.10.34 ClearCall**

```

ClearCall ::= BIT STRING
{
  alerting ( 0), -- initial states
  connected ( 1), -- initial states
  failed ( 2), -- initial states
  queued ( 3), -- initial states
  initiated ( 4), -- initial states
  hold ( 5), -- initial states
  userData ( 6), -- optional parameters
  privateData ( 7), -- optional parameters
  privateDataInAck ( 8), -- optional parameters
  deviceIDOnly ( 9), -- misc characteristics
  callIDOnly (10), -- misc characteristics
  ackModelMultiStep (11)) -- misc characteristics}

```

**1.1.10.35 ClearConnection**

```

ClearConnection ::= BIT STRING
{
  alerting ( 0), -- initial states
  connected ( 1), -- initial states
  fail ( 2), -- initial states
  queued ( 3), -- initial states
  initiated ( 4), -- initial states
  hold ( 5), -- initial states
  correlatorData ( 6), -- optional parameters
  userData ( 7), -- optional parameters
  privateData ( 8), -- optional parameters
  privateDataInAck ( 9), -- optional parameters
  deviceIDOnly (10), -- misc characteristics
  ackModelMultiStep (11)) -- misc characteristics}

```

**1.1.10.36 ConferenceCall**

```

ConferenceCall ::= BIT STRING
{
  activeCallConnected ( 0), -- initial states
  activeCallHold ( 1), -- initial states
  heldCallConnected ( 2), -- initial states
  heldCallHold ( 3), -- initial states
  privateData ( 4), -- optional parameters
  connectionParameterInAck ( 5), -- optional parameters
  endpointDeviceID ( 6), -- optional parameters
  resultingConnectionInfo ( 7), -- optional parameters
  conferenceCallOnfInAck ( 8), -- optional parameters
  privateDataInAck ( 9), -- optional parameters
  protectedAgainstClearing (10), -- misc characteristics
  deviceIDOnly (11), -- misc characteristics
  ackModelMultiStep (12)) -- misc characteristics}

```

**1.1.10.37 ConsultationCall**

| ConsultationCall ::= BIT STRING            |                                |
|--|--------------------------------|
| — connectionReservation                    | ( 0), -- optional parameters   |
| — accountCode                              | ( 1), -- optional parameters   |
| — authCode                                 | ( 2), -- optional parameters   |
| — correlatorData                           | ( 3), -- optional parameters   |
| — userData                                 | ( 4), -- optional parameters   |
| — callCharacteristics                      | ( 5), -- optional parameters   |
| — callCharacteristicsACDCall               | ( 6), -- optional parameters   |
| — callCharacteristicsPriorityCall          | ( 7), -- optional parameters   |
| — callCharacteristicsMaintenanceCall       | ( 8), -- optional parameters   |
| — callCharacteristicsDirectAgent           | ( 9), -- optional parameters   |
| — callCharacteristicsAssistCall            | (10), -- optional parameters   |
| — callCharacteristicsVoiceUnitCall         | (11), -- optional parameters   |
| — mediaCallCharacteristics                 | (12), -- optional parameters   |
| — callingConnectionInfo                    | (13), -- optional parameters   |
| — flowDirectionTransmit                    | (14), -- optional parameters   |
| — flowDirectionReceive                     | (15), -- optional parameters   |
| — flowDirectionTransmitAndReceive          | (16), -- optional parameters   |
| — numberOfChannels                         | (17), -- optional parameters   |
| — consultOptionConsultOnly                 | (18), -- optional parameters   |
| — consultOptionTransferOnly                | (19), -- optional parameters   |
| — consultOptionConferenceOnly              | (20), -- optional parameters   |
| — consultOptionUnrestricted                | (21), -- optional parameters   |
| — privateData                              | (22), -- optional parameters   |
| — initiatedCallInfoInAck                   | (23), -- optional parameters   |
| — privateDataInAck                         | (24), -- optional parameters   |
| — deviceIDOnly                             | (25), -- misc characteristics  |
| — multiStage                               | (26), -- misc characteristics  |
| — supportsAdjustmentOfMediaCharacteristics | (27), -- misc characteristics  |
| — ackModelMultiStep                        | (28)) -- misc characteristics) |

**1.1.10.38 DeflectCall**

| DeflectCall ::= BIT STRING |                               |
|----------------------------|-------------------------------|
| { alerting                 | ( 0), -- initial states       |
| — connected                | ( 1), -- initial states       |
| — failed                   | ( 2), -- initial states       |
| — hold                     | ( 3), -- initial states       |
| — queued                   | ( 4), -- initial states       |
| — correlatorData           | ( 5), -- optional parameters  |
| — userData                 | ( 6), -- optional parameters  |
| — privateData              | ( 7), -- optional parameters  |
| — privateDataInAck         | ( 8), -- optional parameters  |
| — deviceIDOnly             | ( 9), -- misc characteristics |
| — ackModelMultiStep        | (10)) -- misc characteristics |

**1.1.10.39 DialDigits**

| DialDigits ::= BIT STRING |                               |
|---------------------------|-------------------------------|
| { correlatorData          | ( 0), -- optional parameters  |
| — privateData             | ( 1), -- optional parameters  |
| — privateDataInAck        | ( 2), -- optional parameters  |
| — deviceIDOnly            | ( 3), -- misc characteristics |
| — ackModelMultiStep       | ( 4)) -- misc characteristics |

**1.1.10.40 DirectedPickupCall**

```

DirectedPickupCall ::= BIT STRING
{
  alerting                ( 0), -- initial states
  hold                    ( 1), -- initial states
  queued                  ( 2), -- initial states
  connected               ( 3), -- initial states
  correlatorData          ( 4), -- optional parameters
  userData                ( 5), -- optional parameters
  privateData             ( 6), -- optional parameters
  pickedCallInAck        ( 7), -- optional parameters
  pickedCallInfoInAck    ( 8), -- optional parameters
  privateDataInAck       ( 9), -- optional parameters
  deviceIDOnly           (10), -- misc characteristics
  supportsOfferedModeOfAlerting (11), -- misc characteristics
  supportsPrompting      (12), -- misc characteristics
  promptingMode          (13), -- misc characteristics
  ackModelMultiStep     (14)} -- misc characteristics}

```

**1.1.10.41 GroupPickupCall**

```

GroupPickupCall ::= BIT STRING
{
  alerting                ( 0), -- initial states
  connected               ( 1), -- initial states
  hold                    ( 2), -- initial states
  queued                  ( 3), -- initial states
  pickGroup               ( 4), -- optional parameters
  correlatorData          ( 5), -- optional parameters
  userData                ( 6), -- optional parameters
  privateData             ( 7), -- optional parameters
  pickedCallInAck        ( 8), -- optional parameters
  pickedCallInfoInAck    ( 9), -- optional parameters
  privateDataInAck       (10), -- optional parameters
  supportsPrompting      (11), -- misc characteristics
  promptingMode          (12), -- misc characteristics
  supportsOfferedModeOfAlerting (13), -- misc characteristics
  ackModelMultiStep     (14)} -- misc characteristics}

```

**1.1.10.42 HoldCall**

```

HoldCall ::= BIT STRING
{
  connectionReservation  ( 0), -- optional parameters
  privateData             ( 1), -- optional parameters
  privateDataInAck       ( 2), -- optional parameters
  deviceIDOnly           ( 3), -- misc characteristics
  ackModelMultiStep     ( 4)} -- misc characteristics}

```

**1.1.10.43 IntrudeCall**

```

IntrudeCall ::= BIT STRING
{
  participationTypeSilent ( 0), -- optional parameters
  participationTypeActive ( 1), -- optional parameters
  userData                ( 2), -- optional parameters
  privateData             ( 3), -- optional parameters
  conferencedCallInfoInAck ( 4), -- optional parameters
  privateDataInAck       ( 5), -- optional parameters
  deviceIDOnly           ( 6), -- misc characteristics
  supportsConference     ( 7), -- misc characteristics
  supportsAlternate      ( 8), -- misc characteristics
  ackModelMultiStep     ( 9)} -- misc characteristics}

```

**1.1.10.44 JoinCall**

```

JoinCall ::= BIT STRING
{
  autoOriginatePrompt          ( 0), -- optional parameters
  autoOriginateDoNotPrompt    ( 1), -- optional parameters
  participationTypeSilent      ( 2), -- optional parameters
  participationTypeActive      ( 3), -- optional parameters
  accountCode                  ( 4), -- optional parameters
  authCode                      ( 5), -- optional parameters
  correlatorData               ( 6), -- optional parameters
  userData                     ( 7), -- optional parameters
  conferencedCallInAck        ( 8), -- optional parameters
  conferencedCallInfoInAck    ( 9), -- optional parameters
  privateDataInAck            (10), -- optional parameters
  deviceIDOnly                 (11), -- misc characteristics
  supportsPrompting            (12), -- misc characteristics
  promptingMode                (13), -- misc characteristics
  ackModelMultiStep           (14)} -- misc characteristics)

```

**1.1.10.45 MakeCall**

```

MakeCall ::= BIT STRING
{
  initiated                    ( 0), -- initials states
  null                         ( 1), -- initials states
  accountCode                  ( 2), -- optional parameters
  authCode                      ( 3), -- optional parameters
  autoOriginatePrompt          ( 4), -- optional parameters
  autoOriginateDoNotPrompt    ( 5), -- optional parameters
  correlatorData               ( 6), -- optional parameters
  userData                     ( 7), -- optional parameters
  callCharacteristics           ( 8), -- optional parameters
  callCharacteristicsACDCall    ( 9), -- optional parameters
  callCharacteristicsPriorityCall (10), -- optional parameters
  callCharacteristicsMaintenanceCall (11), -- optional parameters
  callCharacteristicsDirectAgent (12), -- optional parameters
  callCharacteristicsAssistCall (13), -- optional parameters
  callCharacteristicsVoiceUnitCall (14), -- optional parameters
  mediaCallCharacteristics      (15), -- optional parameters
  callingConnectionInfo        (16), -- optional parameters
  privateData                  (17), -- optional parameters
  initiatedCallInfoInAck       (18), -- optional parameters
  privateDataInAck             (19), -- optional parameters
  deviceIDOnly                 (20), -- misc characteristics
  multiStage                   (21), -- misc characteristics
  supportsPrompting            (22), -- misc characteristics
  promptingMode                (23), -- misc characteristics
  offHook                      (24), -- misc characteristics
  mediaCharacteristicsAdjustable (25), -- misc characteristics
  ackModelMultiStep           (26)} -- misc characteristics)

```

**1.1.10.46 MakePredictiveCall**

```

MakePredictiveCall ::= BIT STRING
{
  signallingDetection ( 0), -- optional parameters
  signallingConditionCallDelivered ( 1), -- optional parameters
  signallingConditionCallEstablished ( 2), -- optional parameters
  signallingConditionActionDestinationDetection ( 3), -- optional parameters
  signallingConditionActionRemainConnected ( 4), -- optional parameters
  destinationDetection ( 5), -- optional parameters
  destinationConditionHumanVoice ( 6), -- optional parameters
  destinationConditionAnsweringMachine ( 7), -- optional parameters
  destinationConditionFax ( 8), -- optional parameters
  destinationActionClearConnection ( 9), -- optional parameters
  destinationActionRemainConnected (10), -- optional parameters
  defaultActionClearConnection (11), -- optional parameters
  defaultActionRemainConnected (12), -- optional parameters
  accountCode (13), -- optional parameters
  authCode (14), -- optional parameters
  autoOriginatePrompt (15), -- optional parameters
  autoOriginateDoNotPrompt (16), -- optional parameters
  alertTime (17), -- optional parameters
  correlatorData (18), -- optional parameters
  callCharacteristics (19), -- optional parameters
  callCharacteristicsACDCall (20), -- optional parameters
  callCharacteristicsPriorityCall (21), -- optional parameters
  callCharacteristicsMaintenanceCall (22), -- optional parameters
  callCharacteristicsDirectAgent (23), -- optional parameters
  callCharacteristicsAssistCall (24), -- optional parameters
  callCharacteristicsVoiceUnitCall (25), -- optional parameters
  userData (26), -- optional parameters
  privateData (27), -- optional parameters
  initiatedCallInfoInAck (28), -- optional parameters
  privateDataInAck (29), -- optional parameters
  deviceIDOnly (30), -- misc characteristics
  supportsPrompting (31), -- misc characteristics
  promptingMode (32), -- misc characteristics
  reservesCallingDevice (33), -- misc characteristics
  ackModelMultiStep (34)} -- misc characteristics}

```

**1.1.10.47 ParkCall**

```

ParkCall ::= BIT STRING
{
  hold ( 0), -- initial states
  connected ( 1), -- initial states
  correlatorData ( 2), -- optional parameters
  privateData ( 3), -- optional parameters
  parkedToInAck ( 4), -- optional parameters
  privateDataInAck ( 5), -- optional parameters
  deviceIDOnly ( 6), -- misc characteristics
  ackModelMultiStep ( 7)} -- misc characteristics}

```

**1.1.10.48 ReconnectCall**

```

ReconnectCall ::= BIT STRING
{
  alerting ( 0), -- initial states
  connected ( 1), -- initial states
  fail ( 2), -- initial states
  initiated ( 3), -- initial states
  queued ( 4), -- initial states
  privateData ( 5), -- optional parameters
  privateDataInAck ( 6), -- optional parameters
  deviceIDOnly ( 7), -- misc characteristics
  ackModelMultiStep ( 8)} -- misc characteristics}

```

**1.1.10.49 RetrieveCall**

```
RetrieveCall ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  privateDataInAck ( 1), -- optional parameters
  deviceIDOnly ( 2), -- misc characteristics
  ackModelMultiStep ( 3)} -- misc characteristics}
```

**1.1.10.50 SingleStepConference**

```
SingleStepConference ::= BIT STRING
{
  participationTypeActive ( 0), -- optional parameters
  participationTypeSilent ( 1), -- optional parameters
  accountCode ( 2), -- optional parameters
  authCode ( 3), -- optional parameters
  correlatorData ( 4), -- optional parameters
  userData ( 5), -- optional parameters
  privateData ( 6), -- optional parameters
  conferencedCallInfoInAck ( 7), -- optional parameters
  privateDataInAck ( 8), -- optional parameters
  deviceIDOnly ( 9), -- misc characteristics
  ackModelMultiStep (10)} -- misc characteristics}
```

**1.1.10.51 SingleStepTransfer**

```
SingleStepTransfer ::= BIT STRING
{
  accountCode ( 0), -- optional parameters
  authCode ( 1), -- optional parameters
  correlatorData ( 2), -- optional parameters
  userData ( 3), -- optional parameters
  privateData ( 4), -- optional parameters
  connectionParameterInAck ( 5), -- optional parameters
  endpointDeviceID ( 6), -- optional parameters
  resultingConnectionInformation ( 7), -- optional parameters
  transferredCallInfoInAck ( 8), -- optional parameters
  privateDataInAck ( 9), -- optional parameters
  deviceIDOnly (10), -- misc characteristics
  multipleDevices (11), -- misc characteristics
  ackModelMultiStep (12)} -- misc characteristics}
```

**1.1.10.52 TransferCall**

```
TransferCall ::= BIT STRING
{
  activeCallConnected ( 0), -- initial states
  activeCallHold ( 1), -- initial states
  heldCallConnected ( 2), -- initial states
  heldCallHold ( 3), -- initial states
  privateData ( 4), -- optional parameters
  connectionsParameterInAck ( 5), -- optional parameters
  endpointDeviceID ( 6), -- optional parameters
  resultingConnectionInformation ( 7), -- optional parameters
  transferredCallInfoInAck ( 8), -- optional parameters
  privateDataInAck ( 9), -- optional parameters
  deviceIDOnly (10), -- misc characteristics
  multipleDevices (11), -- misc characteristics
  ackModelMultiStep (12)} -- misc characteristics}
```

**1.1.10.53 CallControlEvtsList**

|                                  |                   |  |
|----------------------------------|-------------------|--|
| CallControlEvtsList ::= SEQUENCE |                   |  |
| {                                | bridged           | [0] IMPLICIT Bridged OPTIONAL,           |
|                                  | callCleared       | [1] IMPLICIT CallCleared OPTIONAL,       |
|                                  | conferenced       | [2] IMPLICIT Conferenced OPTIONAL,       |
|                                  | connectionCleared | [3] IMPLICIT ConnectionCleared OPTIONAL, |
|                                  | delivered         | [4] IMPLICIT Delivered OPTIONAL,         |
|                                  | digitsDialed      | [5] IMPLICIT DigitsDialed OPTIONAL,      |
|                                  | diverted          | [6] IMPLICIT Diverted OPTIONAL,          |
|                                  | established       | [7] IMPLICIT Established OPTIONAL,       |
|                                  | failed            | [8] IMPLICIT Failed OPTIONAL,            |
|                                  | held              | [9] IMPLICIT Held OPTIONAL,              |
|                                  | netwCapsChanged   | [10] IMPLICIT NetwCapsChanged OPTIONAL,  |
|                                  | netwReached       | [11] IMPLICIT NetwReached OPTIONAL,      |
|                                  | offered           | [12] IMPLICIT Offered OPTIONAL,          |
|                                  | originated        | [13] IMPLICIT Originated OPTIONAL,       |
|                                  | queued            | [14] IMPLICIT Queued OPTIONAL,           |
|                                  | retrieved         | [15] IMPLICIT Retrieved OPTIONAL,        |
|                                  | serviceInitiated  | [16] IMPLICIT ServiceInitiated OPTIONAL, |
|                                  | transferred       | [17] IMPLICIT Transferred OPTIONAL }     |

**1.1.10.54 Bridged**

|                        |   |
|------------------------|---|
| Bridged ::= BIT STRING |   |
| {                      | correlatorData ( 0), -- optional parameters           |
|                        | userData ( 1), -- optional parameters                 |
|                        | servicesPermitted ( 2), -- optional parameters        |
|                        | mediaCallCharacteristics ( 3), -- optional parameters |
|                        | callCharacteristics ( 4), -- optional parameters      |
|                        | bridgedConnectionInfo ( 5), -- optional parameters    |
|                        | privateData ( 6)) -- optional parameters}             |

**1.1.10.55 CallCleared**

|                            |   |
|----------------------------|---|
| CallCleared ::= BIT STRING |   |
| {                          | correlatorData ( 0), -- optional parameters           |
|                            | userData ( 1), -- optional parameters                 |
|                            | mediaCallCharacteristics ( 2), -- optional parameters |
|                            | callCharacteristics ( 3), -- optional parameters      |
|                            | privateData ( 4), -- optional parameters              |
|                            | callIDOnly ( 5)) -- miscellaneous characteristics}    |

**1.1.10.56 Conferenced**

|                            |  |
|----------------------------|--|
| Conferenced ::= BIT STRING |  |
| {                          | conferencedConnectionsEndpointDeviceID ( 0), -- optional parameters        |
|                            | conferencedConnectionsResultingConnectionInfo ( 1), -- optional parameters |
|                            | userData ( 2), -- optional parameters                                      |
|                            | servicesPermitted ( 3), -- optional parameters                             |
|                            | mediaCallCharacteristics ( 4), -- optional parameters                      |
|                            | callCharacteristics ( 5), -- optional parameters                           |
|                            | bridgedConnectionInfo ( 6), -- optional parameters                         |
|                            | privateData ( 7)) -- optional parameters}                                  |

**1.1.10.57 ConnectionCleared**

```

ConnectionCleared ::= BIT STRING
{
  correlatorData ( 0), -- optional parameters
  userData ( 1), -- optional parameters
  chargingInfo ( 2), -- optional parameters
  numberUnitsNumberOfChargingUnits ( 3), -- optional parameters
  numberUnitsTypeOfUnits ( 4), -- optional parameters
  numberUnitsNumberOfCurrencyUnits ( 5), -- optional parameters
  typeOfChargingInfoSubTotal ( 6), -- optional parameters
  typeOfChargingInfoTotal ( 7), -- optional parameters
  chargingMultiplierAThousandth ( 8), -- optional parameters
  chargingMultiplierAHundredth ( 9), -- optional parameters
  chargingMultiplierATenth ( 10), -- optional parameters
  chargingMultiplierOne ( 11), -- optional parameters
  chargingMultiplierTen ( 12), -- optional parameters
  chargingMultiplierHundred ( 13), -- optional parameters
  chargingMultiplierThousand ( 14), -- optional parameters
  servicesPermitted ( 15), -- optional parameters
  mediaCallCharacteristics ( 16), -- optional parameters
  callCharacteristics ( 17), -- optional parameters
  droppedConnectionInfo ( 18), -- optional parameters
  privateData ( 19) -- optional parameters)

```

**1.1.10.58 Delivered**

```

Delivered ::= BIT STRING
{
  originatingNIDConnection ( 0), -- optional parameters
  userData ( 1), -- optional parameters
  servicesPermitted ( 2), -- optional parameters
  netwCallingDevice ( 3), -- optional parameters
  netwCalledDevice ( 4), -- optional parameters
  mediaCallCharacteristics ( 5), -- optional parameters
  callCharacteristics ( 6), -- optional parameters
  connectionInfo ( 7), -- optional parameters
  privateData ( 8) -- optional parameters)

```

**1.1.10.59 DigitsDialed**

```

DigitsDialed ::= BIT STRING
{
  servicesPermitted ( 0), -- optional parameters
  netwCallingDevice ( 1), -- optional parameters
  netwCalledDevice ( 2), -- optional parameters
  diallingConnectionInfo ( 3), -- optional parameters
  callCharacteristics ( 4), -- optional parameters
  privateData ( 5) -- optional parameters)

```

**1.1.10.60 Diverted**

```

Diverted ::= BIT STRING
{
  callingDevice ( 0), -- optional parameters
  calledDevice ( 1), -- optional parameters
  userData ( 2), -- optional parameters
  servicesPermitted ( 3), -- optional parameters
  mediaCallCharacteristics ( 4), -- optional parameters
  callCharacteristics ( 5), -- optional parameters
  connectionInfo ( 6), -- optional parameters
  netwCallingDevice ( 7), -- optional parameters
  netwCalledDevice ( 8), -- optional parameters
  privateData ( 9), -- optional parameters
  sendsDivertedToAll ( 10) -- optional parameters)

```

**1.1.10.61 Established**

```

Established ::= BIT STRING
{
  originatingNIDConnection      ( 0), -- optional parameters
  userData                      ( 1), -- optional parameters
  servicesPermitted             ( 2), -- optional parameters
  netwCallingDevice             ( 3), -- optional parameters
  netwCalledDevice              ( 4), -- optional parameters
  mediaCallCharacteristics      ( 5), -- optional parameters
  callCharacteristics           ( 6), -- optional parameters
  establishedConnectionInfo     ( 7), -- optional parameters
  privateData                   ( 8)) -- optional parameters}

```

**1.1.10.62 Failed**

```

Failed ::= BIT STRING
{
  originatingNIDConnection      ( 0), -- optional parameters
  userData                      ( 1), -- optional parameters
  servicesPermitted             ( 2), -- optional parameters
  netwCallingDevice             ( 3), -- optional parameters
  netwCalledDevice              ( 4), -- optional parameters
  mediaCallCharacteristics      ( 5), -- optional parameters
  callCharacteristics           ( 6), -- optional parameters
  failedConnectionInfo         ( 7), -- optional parameters
  privateData                   ( 8), -- optional parameters
  callIDOnly                    ( 9)) -- miscellaneous characteristics}

```

**1.1.10.63 Held**

```

Held ::= BIT STRING
{
  correlatorData                ( 0), -- optional parameters
  servicesPermitted             ( 1), -- optional parameters
  mediaCallCharacteristics      ( 2), -- optional parameters
  callCharacteristics           ( 3), -- optional parameters
  heldConnectionInfo           ( 4), -- optional parameters
  privateData                   ( 5)) -- optional parameters}

```

**1.1.10.64 NetwCapsChanged**

```

NetwCapsChanged ::= BIT STRING
{
  progressLocationUser ( 0), -- optional parameters
  progressLocationPrivateServLocal ( 1), -- optional parameters
  progressLocationPublicServLocal ( 2), -- optional parameters
  progressLocationTransit ( 3), -- optional parameters
  progressLocationPublicServRemote ( 4), -- optional parameters
  progressLocationPrivateServRemote ( 5), -- optional parameters
  progressLocationLocal ( 6), -- optional parameters
  progressLocationInternational ( 7), -- optional parameters
  progressLocationNetwBeyondInterworking ( 8), -- optional parameters
  progressLocationOther ( 9), -- optional parameters
  progressDescriptionISDN (10), -- optional parameters
  progressDescriptionQSIG (11), -- optional parameters
  progressDescriptionOther (12), -- optional parameters
  userData (13), -- optional parameters
  typeOfNetworkISDNPublic (14), -- optional parameters
  typeOfNetworkNonISDNPublic (15), -- optional parameters
  typeOfNetworkISDNPrivate (16), -- optional parameters
  typeOfNetworkNonISDNPrivate (17), -- optional parameters
  typeOfNetworkOther (18), -- optional parameters
  eventsProvidedParameter (19), -- optional parameters
  eventsProvidedBridged (20), -- optional parameters
  eventsProvidedCallCleared (21), -- optional parameters
  eventsProvidedConferenced (22), -- optional parameters
  eventsProvidedConnectionCleared (23), -- optional parameters
  eventsProvidedDelivered (24), -- optional parameters
  eventsProvidedDigitsDialed (25), -- optional parameters
  eventsProvidedDiverted (26), -- optional parameters
  eventsProvidedEstablished (27), -- optional parameters
  eventsProvidedFailed (28), -- optional parameters
  eventsProvidedHeld (29), -- optional parameters
  eventsProvidedNetwCapsChanged (30), -- optional parameters
  eventsProvidedNetwReached (31), -- optional parameters
  eventsProvidedOffered (32), -- optional parameters
  eventsProvidedOriginated (33), -- optional parameters
  eventsProvidedQueued (34), -- optional parameters
  eventsProvidedRetrieved (35), -- optional parameters
  eventsProvidedServiceInitiated (36), -- optional parameters
  eventsProvidedTransferd (37), -- optional parameters
  servicesPermitted (38), -- optional parameters
  mediaCallCharacteristics (39), -- optional parameters
  callCharacteristics (40), -- optional parameters
  outboundConnectionInfo (41), -- optional parameters
  privateData (42) -- optional parameters)

```

**1.1.10.65 NetwReached**

```

NetwReached ::= BIT STRING
{
  originatingNIDConnection ( 0), -- optional parameters
  userData ( 1), -- optional parameters
  typeOfNetworkISDNPublic ( 2), -- optional parameters
  typeOfNetworkNonISDNPublic ( 3), -- optional parameters
  typeOfNetworkISDNPrivate ( 4), -- optional parameters
  typeOfNetworkNonISDNPrivate ( 5), -- optional parameters
  typeOfNetworkOther ( 6), -- optional parameters
  eventsProvidedParameter ( 7), -- optional parameters
  eventsProvidedBridged ( 8), -- optional parameters
  eventsProvidedCallCleared ( 9), -- optional parameters
  eventsProvidedConferenced (10), -- optional parameters
  eventsProvidedConnectionCleared (11), -- optional parameters
  eventsProvidedDelivered (12), -- optional parameters
  eventsProvidedDigitsDialed (13), -- optional parameters
  eventsProvidedDiverted (14), -- optional parameters
  eventsProvidedEstablished (15), -- optional parameters
  eventsProvidedFailed (16), -- optional parameters
  eventsProvidedHeld (17), -- optional parameters
  eventsProvidedNetwCapsChanged (18), -- optional parameters
  eventsProvidedNetwReached (19), -- optional parameters
  eventsProvidedOffered (20), -- optional parameters
  eventsProvidedOriginated (21), -- optional parameters
  eventsProvidedQueued (22), -- optional parameters
  eventsProvidedRetrieved (23), -- optional parameters
  eventsProvidedServiceInitiated (24), -- optional parameters
  eventsProvidedTransferd (25), -- optional parameters
  servicesPermitted (26), -- optional parameters
  mediaCallCharacteristics (27), -- optional parameters
  callCharacteristics (28), -- optional parameters
  outboundConnectionInfo (29), -- optional parameters
  netwCallingDevice (30), -- optional parameters
  netwCalledDevice (31), -- optional parameters
  privateData (32)} -- optional parameters}

```

**1.1.10.66 Offered**

```

Offered ::= BIT STRING
{
  originatingNIDConnection ( 0), -- optional parameters
  userData ( 1), -- optional parameters
  servicesPermitted ( 2), -- optional parameters
  netwCallingDevice ( 3), -- optional parameters
  netwCalledDevice ( 4), -- optional parameters
  mediaCallCharacteristics ( 5), -- optional parameters
  callCharacteristics ( 6), -- optional parameters
  offeredConnectionInfo ( 7), -- optional parameters
  privateData ( 8)} -- optional parameters}

```

**1.1.10.67 Originated**

```

Originated ::= BIT STRING
{
  originatingDevice ( 0), -- optional parameters
  servicesPermitted ( 1), -- optional parameters
  netwCallingDevice ( 2), -- optional parameters
  netwCalledDevice ( 3), -- optional parameters
  mediaCallCharacteristics ( 4), -- optional parameters
  callCharacteristics ( 5), -- optional parameters
  originatedConnectionInfo ( 6), -- optional parameters
  privateData ( 7)} -- optional parameters}

```

**1.1.10.68 Queued**

|                       |                          |                               |
|-----------------------|--------------------------|-------------------------------|
| Queued ::= BIT STRING |                          |                               |
| {                     | numberQueued             | ( 0), -- optional parameters  |
| —                     | callsInFront             | ( 1), -- optional parameters  |
| —                     | userData                 | ( 2), -- optional parameters  |
| —                     | servicesPermitted        | ( 3), -- optional parameters  |
| —                     | netwCallingDevice        | ( 4), -- optional parameters  |
| —                     | netwCalledDevice         | ( 5), -- optional parameters  |
| —                     | mediaCallCharacteristics | ( 6), -- optional parameters  |
| —                     | callCharacteristics      | ( 7), -- optional parameters  |
| —                     | queuedConnectionInfo     | ( 8), -- optional parameters  |
| —                     | privateData              | ( 9)) -- optional parameters} |

**1.1.10.69 Retrieved**

|                          |                          |                               |
|--------------------------|--------------------------|-------------------------------|
| Retrieved ::= BIT STRING |                          |                               |
| {                        | correlatorData           | ( 0), -- optional parameters  |
| —                        | servicesPermitted        | ( 1), -- optional parameters  |
| —                        | mediaCallCharacteristics | ( 2), -- optional parameters  |
| —                        | callCharacteristics      | ( 3), -- optional parameters  |
| —                        | retrievedConnectionInfo  | ( 4), -- optional parameters  |
| —                        | privateData              | ( 5)) -- optional parameters} |

**1.1.10.70 ServiceInitiated**

|                                 |                          |                               |
|---------------------------------|--------------------------|-------------------------------|
| ServiceInitiated ::= BIT STRING |                          |                               |
| {                               | servicesPermitted        | ( 0), -- optional parameters  |
| —                               | mediaCallCharacteristics | ( 1), -- optional parameters  |
| —                               | callCharacteristics      | ( 2), -- optional parameters  |
| —                               | initiatedConnectionInfo  | ( 3), -- optional parameters  |
| —                               | netwCallingDevice        | ( 4), -- optional parameters  |
| —                               | netwCalledDevice         | ( 5), -- optional parameters  |
| —                               | privateData              | ( 6)) -- optional parameters} |

**1.1.10.71 Transferred**

|                            |   |                                |
|----------------------------|---|--------------------------------|
| Transferred ::= BIT STRING |   |                                |
| {                          | transferredConnectionsEndpointDeviceID        | ( 0), -- optional parameters   |
| —                          | transferredConnectionsResultingConnectionInfo | ( 1), -- optional parameters   |
| —                          | userData                                      | ( 2), -- optional parameters   |
| —                          | chargingInfo                                  | ( 3), -- optional parameters   |
| —                          | numberUnitsNumberOfChargingUnits              | ( 4), -- optional parameters   |
| —                          | numberUnitsTypeOfUnits                        | ( 5), -- optional parameters   |
| —                          | numberUnitsNumberOfCurrencyUnits              | ( 6), -- optional parameters   |
| —                          | typeOfChargingInfoSubTotal                    | ( 7), -- optional parameters   |
| —                          | typeOfChargingInfoTotal                       | ( 8), -- optional parameters   |
| —                          | chargingMultiplierAThousandth                 | ( 9), -- optional parameters   |
| —                          | chargingMultiplierAHundredth                  | ( 10), -- optional parameters  |
| —                          | chargingMultiplierATenth                      | ( 11), -- optional parameters  |
| —                          | chargingMultiplierOne                         | ( 12), -- optional parameters  |
| —                          | chargingMultiplierTen                         | ( 13), -- optional parameters  |
| —                          | chargingMultiplierHundred                     | ( 14), -- optional parameters  |
| —                          | chargingMultiplierThousand                    | ( 15), -- optional parameters  |
| —                          | servicesPermitted                             | ( 16), -- optional parameters  |
| —                          | mediaCallCharacteristics                      | ( 17), -- optional parameters  |
| —                          | callCharacteristics                           | ( 18), -- optional parameters  |
| —                          | connectionInfo                                | ( 19), -- optional parameters  |
| —                          | privateData                                   | ( 20)) -- optional parameters} |

**1.1.10.72 CallAssociatedServList**

|                                     |                        |                                     |           |
|-------------------------------------|------------------------|-------------------------------------|-----------|
| CallAssociatedServList ::= SEQUENCE |                        |                                     |           |
| {                                   | associateData          | [0] IMPLICIT AssociateData          | OPTIONAL, |
| —                                   | cancelTelephonyTones   | [1] IMPLICIT CancelTelephonyTones   | OPTIONAL, |
| —                                   | generateDigits         | [2] IMPLICIT GenerateDigits         | OPTIONAL, |
| —                                   | generateTelephonyTones | [3] IMPLICIT GenerateTelephonyTones | OPTIONAL, |
| —                                   | sendUserInformation    | [4] IMPLICIT SendUserInformation    | OPTIONAL} |

**1.1.10.73 AssociateData**

```

AssociateData ::= BIT STRING
{
  accountCode ( 0), -- optional parameters
  authCode ( 1), -- optional parameters
  correlatorData ( 2), -- optional parameters
  callQualifyingData ( 3), -- optional parameters
  privateData ( 4), -- optional parameters
  privateDataInAck ( 5), -- optional parameters
  deviceIDOnly ( 6), -- misc characteristics
  rejectsRequestsWithOldConnectionID ( 7), -- misc characteristics
  ackModelMultiStep ( 8)} -- misc characteristics}

```

**1.1.10.74 CancelTelephonyTones**

```

CancelTelephonyTones ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  privateDataInAck ( 1), -- optional parameters
  ackModelMultiStep ( 2)} -- misc characteristics}

```

**1.1.10.75 GenerateDigits**

```

GenerateDigits ::= BIT STRING
{
  digitModeDTMF ( 0), -- optional parameters
  digitModePulse ( 1), -- optional parameters
  toneDuration ( 2), -- optional parameters
  pulseRate ( 3), -- optional parameters
  pauseDuration ( 4), -- optional parameters
  privateData ( 5), -- optional parameters
  privateDataInAck ( 6), -- optional parameters
  deviceIDOnly ( 7), -- misc characteristics
  supportsDTMFTonesABCD ( 8), -- misc characteristics
  supportsPauseToneChar ( 9), -- misc characteristics
  ackModelMultiStep ( 10)} -- misc characteristics}

```

### 1.1.10.76 GenerateTelephonyTones

```

GenerateTelephonyTones ::= BIT STRING
{
  toneToSendBeep                ( 0), -- optional parameters
  toneToSendBilling              ( 1), -- optional parameters
  toneToSendBusy                 ( 2), -- optional parameters
  toneToSendCarrier              ( 3), -- optional parameters
  toneToSendConfirmation         ( 4), -- optional parameters
  toneToSendDial                 ( 5), -- optional parameters
  toneToSendFaxCNG               ( 6), -- optional parameters
  toneToSendHold                 ( 7), -- optional parameters
  toneToSendHowler               ( 8), -- optional parameters
  toneToSendIntrusion            ( 9), -- optional parameters
  toneToSendModemCNG             (10), -- optional parameters
  toneToSendPark                 (11), -- optional parameters
  toneToSendRecordWarning        (12), -- optional parameters
  toneToSendReorder              (13), -- optional parameters
  toneToSendRingback             (14), -- optional parameters
  toneToSendSilence              (15), -- optional parameters
  toneToSendSitVC                (16), -- optional parameters
  toneToSendSitRC                (17), -- optional parameters
  toneToSendSitRO                (18), -- optional parameters
  toneToSendSitNC                (19), -- optional parameters
  toneToSendSf0                  (20), -- optional parameters
  toneToSendSf1                  (21), -- optional parameters
  toneToSendSf2                  (22), -- optional parameters
  toneToSendSf3                  (23), -- optional parameters
  toneToSendSf4                  (24), -- optional parameters
  toneToSendSf5                  (25), -- optional parameters
  toneToSendSf6                  (26), -- optional parameters
  toneToSendSf7                  (27), -- optional parameters
  toneToSendSf8                  (28), -- optional parameters
  toneToSendSf9                  (29), -- optional parameters
  toneToSendSf10                 (30), -- optional parameters
  toneToSendSf11                 (31), -- optional parameters
  toneToSendSf12                 (32), -- optional parameters
  toneToSendSf13                 (33), -- optional parameters
  toneToSendSf14                 (34), -- optional parameters
  toneToSendSf15                 (35), -- optional parameters
  toneToSendSf16                 (36), -- optional parameters
  toneToSendSf17                 (37), -- optional parameters
  toneToSendSf18                 (38), -- optional parameters
  toneToSendSf19                 (39), -- optional parameters
  toneToSendSf20                 (40), -- optional parameters
  toneToSendSf21                 (41), -- optional parameters
  toneToSendSf22                 (42), -- optional parameters
  toneToSendSf23                 (43), -- optional parameters
  toneToSendSf24                 (44), -- optional parameters
  toneToSendSf25                 (45), -- optional parameters
  toneToSendSf26                 (46), -- optional parameters
  toneToSendSf27                 (47), -- optional parameters
  toneToSendSf28                 (48), -- optional parameters
  toneToSendSf29                 (49), -- optional parameters
  toneToSendSf30                 (50), -- optional parameters
  toneToSendSf31                 (51), -- optional parameters
  toneToSendSf32                 (52), -- optional parameters
  toneToSendSf33                 (53), -- optional parameters
  toneToSendSf34                 (54), -- optional parameters
  toneToSendSf35                 (55), -- optional parameters
  toneToSendSf36                 (56), -- optional parameters
  toneToSendSf37                 (57), -- optional parameters
  toneToSendSf38                 (58), -- optional parameters
  toneToSendSf39                 (59), -- optional parameters
  toneToSendSf40                 (60), -- optional parameters
  toneToSendSf41                 (61), -- optional parameters
  toneToSendSf42                 (62), -- optional parameters
  toneToSendSf43                 (63), -- optional parameters
  toneToSendSf44                 (64), -- optional parameters
  toneToSendSf45                 (65), -- optional parameters
  toneToSendSf46                 (66), -- optional parameters
  toneToSendSf47                 (67), -- optional parameters
  toneToSendSf48                 (68), -- optional parameters
}

```

|                   |        |                          |
|-------------------|--------|--------------------------|
| toneToSndSf49     | (69),  | -- optional parameters   |
| toneToSndSf50     | (70),  | -- optional parameters   |
| toneToSndSf51     | (71),  | -- optional parameters   |
| toneToSndSf52     | (72),  | -- optional parameters   |
| toneToSndSf53     | (73),  | -- optional parameters   |
| toneToSndSf54     | (74),  | -- optional parameters   |
| toneToSndSf55     | (75),  | -- optional parameters   |
| toneToSndSf56     | (76),  | -- optional parameters   |
| toneToSndSf57     | (77),  | -- optional parameters   |
| toneToSndSf58     | (78),  | -- optional parameters   |
| toneToSndSf59     | (79),  | -- optional parameters   |
| toneToSndSf60     | (80),  | -- optional parameters   |
| toneToSndSf61     | (81),  | -- optional parameters   |
| toneToSndSf62     | (82),  | -- optional parameters   |
| toneToSndSf63     | (83),  | -- optional parameters   |
| toneToSndSf64     | (84),  | -- optional parameters   |
| toneToSndSf65     | (85),  | -- optional parameters   |
| toneToSndSf66     | (86),  | -- optional parameters   |
| toneToSndSf67     | (87),  | -- optional parameters   |
| toneToSndSf68     | (88),  | -- optional parameters   |
| toneToSndSf69     | (89),  | -- optional parameters   |
| toneToSndSf70     | (90),  | -- optional parameters   |
| toneToSndSf71     | (91),  | -- optional parameters   |
| toneToSndSf72     | (92),  | -- optional parameters   |
| toneToSndSf73     | (93),  | -- optional parameters   |
| toneToSndSf74     | (94),  | -- optional parameters   |
| toneToSndSf75     | (95),  | -- optional parameters   |
| toneToSndSf76     | (96),  | -- optional parameters   |
| toneToSndSf77     | (97),  | -- optional parameters   |
| toneToSndSf78     | (98),  | -- optional parameters   |
| toneToSndSf79     | (99),  | -- optional parameters   |
| toneToSndSf80     | (100), | -- optional parameters   |
| toneToSndSf81     | (101), | -- optional parameters   |
| toneToSndSf82     | (102), | -- optional parameters   |
| toneToSndSf83     | (103), | -- optional parameters   |
| toneToSndSf84     | (104), | -- optional parameters   |
| toneToSndSf85     | (105), | -- optional parameters   |
| toneToSndSf86     | (106), | -- optional parameters   |
| toneToSndSf87     | (107), | -- optional parameters   |
| toneToSndSf88     | (108), | -- optional parameters   |
| toneToSndSf89     | (109), | -- optional parameters   |
| toneToSndSf90     | (110), | -- optional parameters   |
| toneToSndSf91     | (111), | -- optional parameters   |
| toneToSndSf92     | (112), | -- optional parameters   |
| toneToSndSf93     | (113), | -- optional parameters   |
| toneToSndSf94     | (114), | -- optional parameters   |
| toneToSndSf95     | (115), | -- optional parameters   |
| toneToSndSf96     | (116), | -- optional parameters   |
| toneToSndSf97     | (117), | -- optional parameters   |
| toneToSndSf98     | (118), | -- optional parameters   |
| toneToSndSf99     | (119), | -- optional parameters   |
| toneToSndSf100    | (120), | -- optional parameters   |
| toneDuration      | (121), | -- optional parameters   |
| privateData       | (122), | -- optional parameters   |
| privateDataInAck  | (123), | -- optional parameters   |
| deviceIdOnly      | (124), | -- misc characteristics  |
| ackModelMultiStep | (125)) | -- misc characteristics} |

**1.1.10.77 — SendUserInformation**

|                                    |                   |                                |
|------------------------------------|-------------------|--------------------------------|
| SendUserInformation ::= BIT STRING |                   |                                |
| {                                  | privateData       | ( 0), -- optional parameters   |
|                                    | privateDataInAck  | ( 1), -- optional parameters   |
|                                    | deviceIdOnly      | ( 2), -- misc characteristics  |
|                                    | ackModelMultiStep | ( 3)) -- misc characteristics} |

**1.1.10.78 CallAssociatedEvtsList**

|                                     |                            |   |
|-------------------------------------|----------------------------|---|
| CallAssociatedEvtsList ::= SEQUENCE |                            |   |
| {                                   | - callInformation          | [0] IMPLICIT CallInformation OPTIONAL,          |
|                                     | - charging                 | [1] IMPLICIT Charging OPTIONAL,                 |
|                                     | - digitsGenerated          | [2] IMPLICIT DigitsGenerated OPTIONAL,          |
|                                     | - telephonyTonesGenerated  | [3] IMPLICIT TelephonyTonesGenerated OPTIONAL,  |
|                                     | - serviceCompletionFailure | [4] IMPLICIT ServiceCompletionFailure OPTIONAL} |

**1.1.10.79 CallInformation**

|                                |   |
|--------------------------------|---|
| CallInformation ::= BIT STRING |   |
| {                              | - callingDevice (0), -- optional parameters                 |
|                                | - accountInfo (1), -- optional parameters                   |
|                                | - authorisationCode (2), -- optional parameters             |
|                                | - correlatorData (3), -- optional parameters                |
|                                | - servicesPermitted (4), -- optional parameters             |
|                                | - userData (5), -- optional parameters                      |
|                                | - callQualifyingData (6), -- optional parameters            |
|                                | - connectionInfo (7), -- optional parameters                |
|                                | - privateData (8), -- optional parameters                   |
|                                | - genCallInfoForOutdatedConnID (9)) -- misc characteristics |

**1.1.10.80 Charging**

|                         |  |
|-------------------------|--|
| Charging ::= BIT STRING |  |
| {                       | - numberUnitsNumberOfChargingUnits (0), -- optional parameters |
|                         | - numberUnitsTypeOfUnits (1), -- optional parameters           |
|                         | - numberUnitsNumberOfCurrencyUnits (2), -- optional parameters |
|                         | - typeOfChargingInfoSubTotal (3), -- optional parameters       |
|                         | - typeOfChargingInfoTotal (4), -- optional parameters          |
|                         | - chargingMultiplierAThousandth (5), -- optional parameters    |
|                         | - chargingMultiplierAHundredth (6), -- optional parameters     |
|                         | - chargingMultiplierATenth (7), -- optional parameters         |
|                         | - chargingMultiplierOne (8), -- optional parameters            |
|                         | - chargingMultiplierTen (9), -- optional parameters            |
|                         | - chargingMultiplierHundred (10), -- optional parameters       |
|                         | - chargingMultiplierThousand (11), -- optional parameters      |
|                         | - privateData (12)) -- optional parameters}                    |

**1.1.10.81 DigitsGenerated**

|                                |  |
|--------------------------------|--|
| DigitsGenerated ::= BIT STRING |  |
| {                              | - digitsDurationList (0), -- optional parameters |
|                                | - pauseDurationList (1), -- optional parameters  |
|                                | - connectionInfo (2), -- optional parameters     |
|                                | - privateData (3)) -- optional parameters}       |

**1.1.10.82 TelephonyTonesGenerated**

|  |  |
|--|--|
| TelephonyTonesGenerated ::= BIT STRING |  |
| {                                      | - toneToSendBeep (0), -- optional parameters           |
|  | - toneToSendBilling (1), -- optional parameters        |
|  | - toneToSendBusy (2), -- optional parameters           |
|  | - toneToSendCarrier (3), -- optional parameters        |
|  | - toneToSendConfirmation (4), -- optional parameters   |
|  | - toneToSendDial (5), -- optional parameters           |
|  | - toneToSendFaxCNG (6), -- optional parameters         |
|  | - toneToSendHold (7), -- optional parameters           |
|  | - toneToSendHowler (8), -- optional parameters         |
|  | - toneToSendIntrusion (9), -- optional parameters      |
|  | - toneToSendModemCNG (10), -- optional parameters      |
|  | - toneToSendPark (11), -- optional parameters          |
|  | - toneToSendRecordWarning (12), -- optional parameters |
|  | - toneToSendReorder (13), -- optional parameters       |
|  | - toneToSendRingback (14), -- optional parameters      |
|  | - toneToSendSilence (15), -- optional parameters       |
|  | - toneToSendSitVC (16), -- optional parameters         |
|  | - toneToSendSitIC (17), -- optional parameters         |
|  | - toneToSendSitRO (18), -- optional parameters         |
|  | - toneToSendSitNC (19), -- optional parameters         |
|  | - toneToSendSf0 (20), -- optional parameters           |

|                |       |                        |
|----------------|-------|------------------------|
| toneToSendSf1  | (21), | -- optional parameters |
| toneToSendSf2  | (22), | -- optional parameters |
| toneToSendSf3  | (23), | -- optional parameters |
| toneToSendSf4  | (24), | -- optional parameters |
| toneToSendSf5  | (25), | -- optional parameters |
| toneToSendSf6  | (26), | -- optional parameters |
| toneToSendSf7  | (27), | -- optional parameters |
| toneToSendSf8  | (28), | -- optional parameters |
| toneToSendSf9  | (29), | -- optional parameters |
| toneToSendSf10 | (30), | -- optional parameters |
| toneToSendSf11 | (31), | -- optional parameters |
| toneToSendSf12 | (32), | -- optional parameters |
| toneToSendSf13 | (33), | -- optional parameters |
| toneToSendSf14 | (34), | -- optional parameters |
| toneToSendSf15 | (35), | -- optional parameters |
| toneToSendSf16 | (36), | -- optional parameters |
| toneToSendSf17 | (37), | -- optional parameters |
| toneToSendSf18 | (38), | -- optional parameters |
| toneToSendSf19 | (39), | -- optional parameters |
| toneToSendSf20 | (40), | -- optional parameters |
| toneToSendSf21 | (41), | -- optional parameters |
| toneToSendSf22 | (42), | -- optional parameters |
| toneToSendSf23 | (43), | -- optional parameters |
| toneToSendSf24 | (44), | -- optional parameters |
| toneToSendSf25 | (45), | -- optional parameters |
| toneToSendSf26 | (46), | -- optional parameters |
| toneToSendSf27 | (47), | -- optional parameters |
| toneToSendSf28 | (48), | -- optional parameters |
| toneToSendSf29 | (49), | -- optional parameters |
| toneToSendSf30 | (50), | -- optional parameters |
| toneToSendSf31 | (51), | -- optional parameters |
| toneToSendSf32 | (52), | -- optional parameters |
| toneToSendSf33 | (53), | -- optional parameters |
| toneToSendSf34 | (54), | -- optional parameters |
| toneToSendSf35 | (55), | -- optional parameters |
| toneToSendSf36 | (56), | -- optional parameters |
| toneToSendSf37 | (57), | -- optional parameters |
| toneToSendSf38 | (58), | -- optional parameters |
| toneToSendSf39 | (59), | -- optional parameters |
| toneToSendSf40 | (60), | -- optional parameters |
| toneToSendSf41 | (61), | -- optional parameters |
| toneToSendSf42 | (62), | -- optional parameters |
| toneToSendSf43 | (63), | -- optional parameters |
| toneToSendSf44 | (64), | -- optional parameters |
| toneToSendSf45 | (65), | -- optional parameters |
| toneToSendSf46 | (66), | -- optional parameters |
| toneToSendSf47 | (67), | -- optional parameters |
| toneToSendSf48 | (68), | -- optional parameters |
| toneToSendSf49 | (69), | -- optional parameters |
| toneToSendSf50 | (70), | -- optional parameters |
| toneToSendSf51 | (71), | -- optional parameters |
| toneToSendSf52 | (72), | -- optional parameters |
| toneToSendSf53 | (73), | -- optional parameters |
| toneToSendSf54 | (74), | -- optional parameters |
| toneToSendSf55 | (75), | -- optional parameters |
| toneToSendSf56 | (76), | -- optional parameters |
| toneToSendSf57 | (77), | -- optional parameters |
| toneToSendSf58 | (78), | -- optional parameters |
| toneToSendSf59 | (79), | -- optional parameters |
| toneToSendSf60 | (80), | -- optional parameters |
| toneToSendSf61 | (81), | -- optional parameters |
| toneToSendSf62 | (82), | -- optional parameters |
| toneToSendSf63 | (83), | -- optional parameters |
| toneToSendSf64 | (84), | -- optional parameters |
| toneToSendSf65 | (85), | -- optional parameters |
| toneToSendSf66 | (86), | -- optional parameters |
| toneToSendSf67 | (87), | -- optional parameters |
| toneToSendSf68 | (88), | -- optional parameters |
| toneToSendSf69 | (89), | -- optional parameters |
| toneToSendSf70 | (90), | -- optional parameters |
| toneToSendSf71 | (91), | -- optional parameters |

|                   |        |                         |
|-------------------|--------|-------------------------|
| toneToSendSf72    | (92),  | -- optional parameters  |
| toneToSendSf73    | (93),  | -- optional parameters  |
| toneToSendSf74    | (94),  | -- optional parameters  |
| toneToSendSf75    | (95),  | -- optional parameters  |
| toneToSendSf76    | (96),  | -- optional parameters  |
| toneToSendSf77    | (97),  | -- optional parameters  |
| toneToSendSf78    | (98),  | -- optional parameters  |
| toneToSendSf79    | (99),  | -- optional parameters  |
| toneToSendSf80    | (100), | -- optional parameters  |
| toneToSendSf81    | (101), | -- optional parameters  |
| toneToSendSf82    | (102), | -- optional parameters  |
| toneToSendSf83    | (103), | -- optional parameters  |
| toneToSendSf84    | (104), | -- optional parameters  |
| toneToSendSf85    | (105), | -- optional parameters  |
| toneToSendSf86    | (106), | -- optional parameters  |
| toneToSendSf87    | (107), | -- optional parameters  |
| toneToSendSf88    | (108), | -- optional parameters  |
| toneToSendSf89    | (109), | -- optional parameters  |
| toneToSendSf90    | (110), | -- optional parameters  |
| toneToSendSf91    | (111), | -- optional parameters  |
| toneToSendSf92    | (112), | -- optional parameters  |
| toneToSendSf93    | (113), | -- optional parameters  |
| toneToSendSf94    | (114), | -- optional parameters  |
| toneToSendSf95    | (115), | -- optional parameters  |
| toneToSendSf96    | (116), | -- optional parameters  |
| toneToSendSf97    | (117), | -- optional parameters  |
| toneToSendSf98    | (118), | -- optional parameters  |
| toneToSendSf99    | (119), | -- optional parameters  |
| toneToSendSf100   | (120), | -- optional parameters  |
| toneFrequency     | (121), | -- optional parameters  |
| toneDuration      | (122), | -- optional parameters  |
| pauseDurationList | (123), | -- optional parameters  |
| connectionInfo    | (124), | -- optional parameters  |
| privateData       | (125)) | -- optional parameters} |

### 1.1.10.83—ServiceCompletionFailure

|   |                               |                               |
|---|-------------------------------|-------------------------------|
| ServiceCompletionFailure ::= BIT STRING |                               |                               |
| {                                       | primaryCallConnectionInfo     | ( 0), -- optional parameters  |
|   | secondaryCallConnectionInfo   | ( 1), -- optional parameters  |
|   | otherDevicesPrimaryCallList   | ( 2), -- optional parameters  |
|   | otherDevicesSecondaryCallList | ( 3), -- optional parameters  |
|   | mediaCallCharacteristics      | ( 4), -- optional parameters  |
|   | privateData                   | ( 5)) -- optional parameters} |

### 1.1.10.84—MediaServList

|                            |                    |   |
|----------------------------|--------------------|---|
| MediaServList ::= SEQUENCE |                    |   |
| {                          | attachMediaService | [0] IMPLICIT AttachMediaService OPTIONAL, |
|                            | detachMediaService | [1] IMPLICIT DetachMediaService OPTIONAL} |

**1.1.10.85—AttachMediaService**

```

AttachMediaService ::= BIT STRING
{
  mediaServiceVersion ( 0), -- optional parameters
  mediaServiceInstanceID ( 1), -- optional parameters
  connectionModeConsultConference ( 2), -- optional parameters
  connectionModeConsultConferenceHold ( 3), -- optional parameters
  connectionModeDeflect ( 4), -- optional parameters
  connectionModeDirectedPickup ( 5), -- optional parameters
  connectionModeJoin ( 6), -- optional parameters
  connectionModeSingleStepConference ( 7), -- optional parameters
  connectionModeSingleStepConferenceHold ( 8), -- optional parameters
  connectionModeSingleStepTransfer ( 9), -- optional parameters
  connectionModeTransfer ( 10), -- optional parameters
  connectionModeDirect ( 11), -- optional parameters
  requestedConnectionState ( 12), -- optional parameters
  privateData ( 13), -- optional parameters
  mediaServiceInstanceIDInAck ( 14), -- optional parameters
  mediaConnectionInfoInAck ( 15), -- optional parameters
  privateDataInAck ( 16), -- optional parameters
  deviceIDOnly ( 17), -- misc characteristics
  ackModelMultiStep ( 18)) -- misc characteristics}

```

**1.1.10.86—DetachMediaService**

```

DetachMediaService ::= BIT STRING
{
  alerting ( 0), -- initial states
  connected ( 1), -- initial states
  fail ( 2), -- initial states
  hold ( 3), -- initial states
  queued ( 4), -- initial states
  privateData ( 5), -- optional parameters
  privateDataInAck ( 6), -- optional parameters
  deviceIDOnly ( 7), -- misc characteristics
  ackModelMultiStep ( 8)) -- misc characteristics}

```

**1.1.10.87—MediaEvtsList**

```

MediaEvtsList ::= SEQUENCE
{
  mediaAttached [0] IMPLICIT MediaAttached OPTIONAL,
  mediaDetached [1] IMPLICIT MediaDetached OPTIONAL}

```

**1.1.10.88—MediaAttached**

```

MediaAttached ::= BIT STRING
{
  mediaServiceVersion ( 0), -- optional parameters
  mediaServiceInstanceID ( 1), -- optional parameters
  mediaStreamID ( 2), -- optional parameters
  mediaCallCharacteristics ( 3), -- optional parameters
  callCharacteristics ( 4), -- optional parameters
  mediaConnectionInfo ( 5), -- optional parameters
  privateData ( 6)) -- optional parameters}

```

**1.1.10.89—MediaDetached**

```

MediaDetached ::= BIT STRING
{
  mediaServiceVersion ( 0), -- optional parameters
  mediaServiceInstanceID ( 1), -- optional parameters
  mediaStreamID ( 2), -- optional parameters
  mediaCallCharacteristics ( 3), -- optional parameters
  callCharacteristics ( 4), -- optional parameters
  mediaConnectionInfo ( 5), -- optional parameters
  privateData ( 6)) -- optional parameters}

```

**1.1.10.90—RouteingServList**

```
RouteingServList ::= SEQUENCE
{
  routeRegister [ 0] IMPLICIT RouteRegister OPTIONAL,
  routeRegisterCancel [ 1] IMPLICIT RouteRegisterCancel OPTIONAL,
  routeRegisterAbort [ 2] IMPLICIT RouteRegisterAbort OPTIONAL,
  reRoute [ 3] IMPLICIT ReRoute OPTIONAL,
  routeEnd [ 4] IMPLICIT RouteEnd OPTIONAL,
  routeReject [ 5] IMPLICIT RouteReject OPTIONAL,
  routeRequest [ 6] IMPLICIT RouteRequest OPTIONAL,
  routeSelect [ 7] IMPLICIT RouteSelect OPTIONAL,
  routeUsed [ 8] IMPLICIT RouteUsed OPTIONAL}

```

**1.1.10.91—RouteRegister**

```
RouteRegister ::= BIT-STRING
{
  routeingDevice ( 0), -- optional parameters
  requestedMonitorMediaClass ( 1), -- optional parameters
  requestedMonitorMediaClassAudio ( 2), -- optional parameters
  requestedMonitorMediaClassData ( 3), -- optional parameters
  requestedMonitorMediaClassImage ( 4), -- optional parameters
  requestedMonitorMediaClassVoice ( 5), -- optional parameters
  privateData ( 6), -- optional parameters
  actualRouteingMediaClassInAck ( 7), -- optional parameters
  privateDataInAck ( 8), -- optional parameters
  allRouteingDevices ( 9)) -- misc characteristics}

```

**1.1.10.92—RouteRegisterAbort**

```
RouteRegisterAbort ::= BIT-STRING
{
  privateData ( 0)) -- optional parameters}

```

**1.1.10.93—RouteRegisterCancel**

```
RouteRegisterCancel ::= BIT-STRING
{
  privateData ( 0), -- optional parameters
  privateDataInAck ( 1)) -- optional parameters}

```

**1.1.10.94—ReRoute**

```
ReRoute ::= BIT-STRING
{
  replyTimeout ( 1), -- optional parameters
  correlatorData ( 2), -- optional parameters
  privateData ( 3)) -- optional parameters}

```

**1.1.10.95—RouteEnd**

```
RouteEnd ::= BIT-STRING
{
  errorValue ( 1), -- optional parameters
  correlatorData ( 2), -- optional parameters
  privateData ( 3), -- optional parameters
  supportsSending ( 4), -- misc characteristics
  supportsReceiving ( 5)) -- misc characteristics}

```

**1.1.10.96—RouteReject**

```
RouteReject ::= BIT-STRING
{
  rejectCauseBusyOverflow ( 0), -- optional parameters
  rejectCauseQueueTimeOverflow ( 1), -- optional parameters
  rejectCauseCapacityOverflow ( 2), -- optional parameters
  rejectCauseCalendarOverflow ( 3), -- optional parameters
  rejectCauseUnknownOverflow ( 4), -- optional parameters
  correlatorData ( 5), -- optional parameters
  privateData ( 6)) -- optional parameters}

```

**1.1.10.97 RouteRequest**

```

RouteRequest ::= BIT STRING
{
  callingDevice ( 0), -- optional parameters
  calledDevice ( 1), -- optional parameters
  routeSelAlgorithmACD ( 2), -- optional parameters
  routeSelAlgorithmEmergency ( 3), -- optional parameters
  routeSelAlgorithmLeastCost ( 4), -- optional parameters
  routeSelAlgorithmNormal ( 5), -- optional parameters
  routeSelAlgorithmUserDefined ( 6), -- optional parameters
  priority ( 7), -- optional parameters
  replyTimeout ( 8), -- optional parameters
  correlatorData ( 9), -- optional parameters
  mediaCallCharacteristics (10), -- optional parameters
  callCharacteristics (11), -- optional parameters
  routedCallInfo (12), -- optional parameters
  privateData (13), -- optional parameters
  nonCallRelatedRouteing (14) -- misc characteristics}

```

**1.1.10.98 RouteSelect**

```

RouteSelect ::= BIT STRING
{
  remainRetriesNoListAvailable ( 0), -- optional parameters
  remainRetriesNoCountAvailable ( 1), -- optional parameters
  remainRetriesRetryCount ( 2), -- optional parameters
  routeUsed ( 3), -- optional parameters
  correlatorData ( 4), -- optional parameters
  privateData ( 5) -- optional parameters}

```

**1.1.10.99 RouteUsed**

```

RouteUsed ::= BIT STRING
{
  callingDevice ( 0), -- optional parameters
  Domain ( 1), -- optional parameters
  correlatorData ( 2), -- optional parameters
  privateData ( 3) -- optional parameters}

```

**1.1.10.100 PhysDevServList**

```

PhysDevServList ::= SEQUENCE
{
  buttonPress [ 0] IMPLICIT ButtonPress OPTIONAL,
  getAuditoryApparatusInfo [ 1] IMPLICIT GetAuditoryApparatusInfo OPTIONAL,
  getButtonInformation [ 2] IMPLICIT GetButtonInformation OPTIONAL,
  getDisplay [ 3] IMPLICIT GetDisplay OPTIONAL,
  getHookSwitchStatus [ 4] IMPLICIT GetHookSwitchStatus OPTIONAL,
  getLampInfo [ 5] IMPLICIT GetLampInfo OPTIONAL,
  getLampMode [ 6] IMPLICIT GetLampMode OPTIONAL,
  getMessageWaitingIndicator [ 7] IMPLICIT GetMessageWaitingIndicator OPTIONAL,
  getMicrophoneGain [ 8] IMPLICIT GetMicrophoneGain OPTIONAL,
  getMicrophoneMute [ 9] IMPLICIT GetMicrophoneMute OPTIONAL,
  getRingerStatus [10] IMPLICIT GetRingerStatus OPTIONAL,
  getSpeakerMute [11] IMPLICIT GetSpeakerMute OPTIONAL,
  getSpeakerVolume [12] IMPLICIT GetSpeakerVolume OPTIONAL,
  setButtonInformation [13] IMPLICIT SetButtonInformation OPTIONAL,
  setDisplay [14] IMPLICIT SetDisplay OPTIONAL,
  setHookSwitchStatus [15] IMPLICIT SetHookSwitchStatus OPTIONAL,
  setLampMode [16] IMPLICIT SetLampMode OPTIONAL,
  setMessageWaitingIndicator [17] IMPLICIT SetMessageWaitingIndicator OPTIONAL,
  setMicrophoneGain [18] IMPLICIT SetMicrophoneGain OPTIONAL,
  setMicrophoneMute [19] IMPLICIT SetMicrophoneMute OPTIONAL,
  setRingerStatus [20] IMPLICIT SetRingerStatus OPTIONAL,
  setSpeakerMute [21] IMPLICIT SetSpeakerMute OPTIONAL,
  setSpeakerVolume [22] IMPLICIT SetSpeakerVolume OPTIONAL}

```

**1.1.10.101 ButtonPress**

```

ButtonPress ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  privateDataInAck ( 1), -- optional parameters
  ackMode!MultiStep ( 2) -- misc characteristics}

```

**1.1.10.102 GetAuditoryApparatusInfo**

```

GetAuditoryApparatusInfo ::= BIT STRING
{
  auditoryApparatus ( 0), -- optional parameters
  privateData ( 1), -- optional parameters
  auditoryApparatusTypeSpeakerphone ( 2), -- optional parameters
  auditoryApparatusTypeHandset ( 3), -- optional parameters
  auditoryApparatusTypeHeadset ( 4), -- optional parameters
  auditoryApparatusTypeSpeakerOnlyPhone ( 5), -- optional parameters
  auditoryApparatusTypeOther ( 6), -- optional parameters
  speakerPresent ( 7), -- optional parameters
  speakerVolumeSettable ( 8), -- optional parameters
  speakerVolumeReadable ( 9), -- optional parameters
  speakerMuteSettable (10), -- optional parameters
  speakerMuteReadable (11), -- optional parameters
  microphonePresent (12), -- optional parameters
  microphoneGainSettable (13), -- optional parameters
  microphoneGainReadable (14), -- optional parameters
  microphoneMuteSettable (15), -- optional parameters
  microphoneMuteReadable (16), -- optional parameters
  hookswitchSettable (17), -- optional parameters
  hookswitchOnHook (18), -- optional parameters
  privateDataInAck (19)) -- optional parameters}

```

**1.1.10.103 GetButtonInformation**

```

GetButtonInformation ::= BIT STRING
{
  button ( 0), -- optional parameters
  privateData ( 1), -- optional parameters
  buttonLabelInAck ( 2), -- optional parameters
  buttonLabelSettableInAck ( 3), -- optional parameters
  buttonFunctionInAck ( 4), -- optional parameters
  buttonAssociatedNumberInAck ( 5), -- optional parameters
  buttonAssociatedNumberSettableInAck ( 6), -- optional parameters
  listOfLampsInAck ( 7), -- optional parameters
  privateDataInAck ( 8)) -- optional parameters}

```

**1.1.10.104 GetDisplay**

```

GetDisplay ::= BIT STRING
{
  displayID ( 0), -- optional parameters
  privateData ( 1), -- optional parameters
  characterSetASCII ( 2), -- optional parameters
  characterSetUnicode ( 3), -- optional parameters
  characterSetProprietary ( 4), -- optional parameters
  privateDataInAck ( 5)) -- optional parameters}

```

**1.1.10.105 GetHookSwitchStatus**

```

GetHookSwitchStatus ::= BIT STRING
{
  hookSwitch ( 0), -- optional parameters
  privateData ( 1), -- optional parameters
  privateDataInAck ( 2)) -- optional parameters}

```

**1.1.10.106 GetLampInfo**

```

GetLampInfo ::= BIT STRING
{
  lamp ( 0), -- optional parameters
  privateData ( 1), -- optional parameters
  lampLabelInAck ( 2), -- optional parameters
  buttonInAck ( 3), -- optional parameters
  lampColorInAck ( 4), -- optional parameters
  privateDataInAck ( 5)) -- optional parameters}

```

**1.1.10.107 GetLampMode**

```

GetLampMode ::= BIT STRING
{
  lamp (0), -- optional parameters
  privateData (1), -- optional parameters
  lampModeBrokenFlutterInAck (2), -- optional parameter
  lampModeFlutterInAck (3), -- optional parameter
  lampModeOffInAck (4), -- optional parameter
  lampModeSteadyInAck (5), -- optional parameter
  lampModeWinkInAck (6), -- optional parameter
  lampBrightnessNormal (7), -- optional parameter
  lampBrightnessDim (8), -- optional parameter
  lampBrightnessBright (9), -- optional parameter
  lampColorInAck (10), -- optional parameters
  buttonInAck (11), -- optional parameters
  privateDataInAck (12)} -- optional parameters}

```

**1.1.10.108 GetMessageWaitingIndicator**

```

GetMessageWaitingIndicator ::= BIT STRING
{
  privateData (0), -- optional parameter
  deviceForMsgInAck (1), -- optional parameter
  lampsPresentInAck (2), -- optional parameter
  privateDataInAck (3)} -- optional parameters}

```

**1.1.10.109 GetMicrophoneGain**

```

GetMicrophoneGain ::= BIT STRING
{
  auditoryApparatus (0), -- optional parameters
  privateData (1), -- optional parameters
  micGainAbsInAck (2), -- optional parameters
  privateDataInAck (3)} -- optional parameters}

```

**1.1.10.110 GetMicrophoneMute**

```

GetMicrophoneMute ::= BIT STRING
{
  auditoryApparatus (0), -- optional parameters
  privateData (1), -- optional parameters
  privateDataInAck (2)} -- optional parameters}

```

**1.1.10.111 GetRingerStatus**

```

GetRingerStatus ::= BIT STRING
{
  ringer (0), -- optional parameters
  privateData (1), -- optional parameters
  ringCountInAck (2), -- optional parameters
  ringPatternInAck (3), -- optional parameters
  ringVolumeInAck (4), -- optional parameters
  ringVolumeAbsInAck (5), -- optional parameters
  privateDataInAck (6)} -- optional parameters}

```

**1.1.10.112 GetSpeakerMute**

```

GetSpeakerMute ::= BIT STRING
{
  auditoryApparatus (0), -- optional parameters
  privateDataInAck (1), -- optional parameters
  privateData (2)} -- optional parameters}

```

**1.1.10.113 GetSpeakerVolume**

```

GetSpeakerVolume ::= BIT STRING
{
  auditoryApparatus (0), -- optional parameters
  privateData (1), -- optional parameters
  speakerVolAbsInAck (2), -- optional parameters
  privateDataInAck (3)} -- optional parameters}

```

**1.1.10.114 SetButtonInformation**

```

SetButtonInformation ::= BIT STRING
{
  buttonLabel ( 0), -- optional parameters
  buttonAssociatedNumber ( 1), -- optional parameters
  privateData ( 2), -- optional parameters
  privateDataInAck ( 3), -- optional parameters
  ackModelMultiStep ( 4)) -- misc characteristics}

```

**1.1.10.115 SetDisplay**

```

SetDisplay ::= BIT STRING
{
  physBaseRowNumber ( 0), -- optional parameters
  physColumnRowNumber ( 1), -- optional parameters
  offset ( 2), -- optional parameters
  privateData ( 3), -- optional parameters
  privateDataInAck ( 4), -- optional parameters
  supportsModifyingPosition ( 5), -- misc characteristics
  ackModelMultiStep ( 6)) -- misc characteristics}

```

**1.1.10.116 SetHookSwitchStatus**

```

SetHookSwitchStatus ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  ackModelMultiStep ( 1)) -- misc characteristics}

```

**1.1.10.117 SetLampMode**

```

SetLampMode ::= BIT STRING
{
  lampModeBrokenFlutter ( 0), -- optional parameter
  lampModeFlutter ( 1), -- optional parameter
  lampModeOff ( 2), -- optional parameter
  lampModeSteady ( 3), -- optional parameter
  lampModeWink ( 4), -- optional parameter
  lampBrightnessNormal ( 5), -- optional parameter
  lampBrightnessDim ( 6), -- optional parameter
  lampBrightnessBright ( 7), -- optional parameter
  lampColorNoColor ( 8), -- optional parameter
  lampColorRed ( 9), -- optional parameter
  lampColorYellow ( 10), -- optional parameter
  lampColorGreen ( 11), -- optional parameter
  lampColorBlue ( 12), -- optional parameter
  lampColorReserved ( 13), -- optional parameter
  lampColorSf0 ( 14), -- optional parameters
  lampColorSf1 ( 15), -- optional parameters
  lampColorSf2 ( 16), -- optional parameters
  lampColorSf3 ( 17), -- optional parameters
  lampColorSf4 ( 18), -- optional parameters
  lampColorSf5 ( 19), -- optional parameters
  lampColorSf6 ( 20), -- optional parameters
  lampColorSf7 ( 21), -- optional parameters
  lampColorSf8 ( 22), -- optional parameters
  lampColorSf9 ( 23), -- optional parameters
  lampColorSf10 ( 24), -- optional parameters
  lampColorSf11 ( 25), -- optional parameters
  lampColorSf12 ( 26), -- optional parameters
  lampColorSf13 ( 27), -- optional parameters
  lampColorSf14 ( 28), -- optional parameters
  lampColorSf15 ( 29), -- optional parameters
  lampColorSf16 ( 30), -- optional parameters
  lampColorSf17 ( 31), -- optional parameters
  lampColorSf18 ( 32), -- optional parameters
  lampColorSf19 ( 33), -- optional parameters
  lampColorSf20 ( 34), -- optional parameters
  lampColorSf21 ( 35), -- optional parameters
  lampColorSf22 ( 36), -- optional parameters
  lampColorSf23 ( 37), -- optional parameters
  lampColorSf24 ( 38), -- optional parameters
  lampColorSf25 ( 39), -- optional parameters
  lampColorSf26 ( 40), -- optional parameters
  lampColorSf27 ( 41), -- optional parameters
  lampColorSf28 ( 42), -- optional parameters
}

```

|               |        |                        |
|---------------|--------|------------------------|
| lampColorSf29 | (43),  | -- optional parameters |
| lampColorSf30 | (44),  | -- optional parameters |
| lampColorSf31 | (45),  | -- optional parameters |
| lampColorSf32 | (46),  | -- optional parameters |
| lampColorSf33 | (47),  | -- optional parameters |
| lampColorSf34 | (48),  | -- optional parameters |
| lampColorSf35 | (49),  | -- optional parameters |
| lampColorSf36 | (50),  | -- optional parameters |
| lampColorSf37 | (51),  | -- optional parameters |
| lampColorSf38 | (52),  | -- optional parameters |
| lampColorSf39 | (53),  | -- optional parameters |
| lampColorSf40 | (54),  | -- optional parameters |
| lampColorSf41 | (55),  | -- optional parameters |
| lampColorSf42 | (56),  | -- optional parameters |
| lampColorSf43 | (57),  | -- optional parameters |
| lampColorSf44 | (58),  | -- optional parameters |
| lampColorSf45 | (59),  | -- optional parameters |
| lampColorSf46 | (60),  | -- optional parameters |
| lampColorSf47 | (61),  | -- optional parameters |
| lampColorSf48 | (62),  | -- optional parameters |
| lampColorSf49 | (63),  | -- optional parameters |
| lampColorSf50 | (64),  | -- optional parameters |
| lampColorSf51 | (65),  | -- optional parameters |
| lampColorSf52 | (66),  | -- optional parameters |
| lampColorSf53 | (67),  | -- optional parameters |
| lampColorSf54 | (68),  | -- optional parameters |
| lampColorSf55 | (69),  | -- optional parameters |
| lampColorSf56 | (70),  | -- optional parameters |
| lampColorSf57 | (71),  | -- optional parameters |
| lampColorSf58 | (72),  | -- optional parameters |
| lampColorSf59 | (73),  | -- optional parameters |
| lampColorSf60 | (74),  | -- optional parameters |
| lampColorSf61 | (75),  | -- optional parameters |
| lampColorSf62 | (76),  | -- optional parameters |
| lampColorSf63 | (77),  | -- optional parameters |
| lampColorSf64 | (78),  | -- optional parameters |
| lampColorSf65 | (79),  | -- optional parameters |
| lampColorSf66 | (80),  | -- optional parameters |
| lampColorSf67 | (81),  | -- optional parameters |
| lampColorSf68 | (82),  | -- optional parameters |
| lampColorSf69 | (83),  | -- optional parameters |
| lampColorSf70 | (84),  | -- optional parameters |
| lampColorSf71 | (85),  | -- optional parameters |
| lampColorSf72 | (86),  | -- optional parameters |
| lampColorSf73 | (87),  | -- optional parameters |
| lampColorSf74 | (88),  | -- optional parameters |
| lampColorSf75 | (89),  | -- optional parameters |
| lampColorSf76 | (90),  | -- optional parameters |
| lampColorSf77 | (91),  | -- optional parameters |
| lampColorSf78 | (92),  | -- optional parameters |
| lampColorSf79 | (93),  | -- optional parameters |
| lampColorSf80 | (94),  | -- optional parameters |
| lampColorSf81 | (95),  | -- optional parameters |
| lampColorSf82 | (96),  | -- optional parameters |
| lampColorSf83 | (97),  | -- optional parameters |
| lampColorSf84 | (98),  | -- optional parameters |
| lampColorSf85 | (99),  | -- optional parameters |
| lampColorSf86 | (100), | -- optional parameters |
| lampColorSf87 | (101), | -- optional parameters |
| lampColorSf88 | (102), | -- optional parameters |
| lampColorSf89 | (103), | -- optional parameters |
| lampColorSf90 | (104), | -- optional parameters |
| lampColorSf91 | (105), | -- optional parameters |
| lampColorSf92 | (106), | -- optional parameters |
| lampColorSf93 | (107), | -- optional parameters |
| lampColorSf94 | (108), | -- optional parameters |
| lampColorSf95 | (109), | -- optional parameters |
| lampColorSf96 | (110), | -- optional parameters |
| lampColorSf97 | (111), | -- optional parameters |
| lampColorSf98 | (112), | -- optional parameters |
| lampColorSf99 | (113), | -- optional parameters |

|                     |        |                         |
|---------------------|--------|-------------------------|
| — lampColorSf100    | (114), | -- optional parameters  |
| — privateData       | (115), | -- optional parameters  |
| — privateDataInAck  | (116), | -- optional parameters  |
| — ackModelMultiStep | (117)) | -- misc characteristics |

### 1.1.10.118 SetMessageWaitingIndicator

|   |                   |                               |
|---|-------------------|-------------------------------|
| SetMessageWaitingIndicator ::= BIT STRING |                   |                               |
| {   | — privateData     | ( 0), -- optional parameters  |
| —   | privateDataInAck  | ( 1), -- optional parameters  |
| —   | ackModelMultiStep | ( 2)) -- misc characteristics |

### 1.1.10.119 SetMicrophoneGain

|                                  |                     |                              |
|----------------------------------|---------------------|------------------------------|
| SetMicrophoneGain ::= BIT STRING |                     |                              |
| {                                | — microphoneGainAbs | (0), -- optional parameters  |
| —                                | microphoneGainInc   | (1), -- optional parameters  |
| —                                | privateData         | (2), -- optional parameters  |
| —                                | privateDataInAck    | (3), -- optional parameters  |
| —                                | ackModelMultiStep   | (4)) -- misc characteristics |

### 1.1.10.120 SetMicrophoneMute

|                                  |                   |                               |
|----------------------------------|-------------------|-------------------------------|
| SetMicrophoneMute ::= BIT STRING |                   |                               |
| {                                | — privateData     | ( 0), -- optional parameters  |
| —                                | privateDataInAck  | ( 1), -- optional parameters  |
| —                                | ackModelMultiStep | ( 2)) -- misc characteristics |

### 1.1.10.121 SetRingerStatus

|                                |                      |                                |
|--------------------------------|----------------------|--------------------------------|
| SetRingerStatus ::= BIT STRING |                      |                                |
| {                              | — ringerModeRinging  | ( 0), -- optional parameters   |
| —                              | ringerModeNotRinging | ( 1), -- optional parameters   |
| —                              | ringVolumeAbs        | ( 2), -- optional parameters   |
| —                              | ringVolumeInc        | ( 3), -- optional parameters   |
| —                              | privateData          | ( 4), -- optional parameters   |
| —                              | privateDataInAck     | ( 5), -- optional parameters   |
| —                              | ackModelMultiStep    | ( 6)) -- misc characteristics} |

### 1.1.10.122 SetSpeakerMute

|                               |                   |                                |
|-------------------------------|-------------------|--------------------------------|
| SetSpeakerMute ::= BIT STRING |                   |                                |
| {                             | — privateData     | ( 0), -- optional parameters   |
| —                             | privateDataInAck  | ( 1), -- optional parameters   |
| —                             | ackModelMultiStep | ( 2)) -- misc characteristics} |

### 1.1.10.123 SetSpeakerVolume

|                                 |                        |                                |
|---------------------------------|------------------------|--------------------------------|
| SetSpeakerVolume ::= BIT STRING |                        |                                |
| {                               | — speakerVolumeAbs     | ( 0), -- optional parameters   |
| —                               | speakerVolumeInc       | ( 1), -- optional parameters   |
| —                               | privateData            | ( 2), -- optional parameters   |
| —                               | privateDataInAck       | ( 3), -- optional parameters   |
| —                               | ackModelMultiStep      | ( 4), -- misc characteristics  |
| —                               | resettedAfterCall      | ( 5), -- misc characteristics  |
| —                               | notSettableWhileActive | ( 6)) -- misc characteristics} |

**1.1.10.124 PhysDevEvtsList**

|                              |                   |                                |           |
|------------------------------|-------------------|--------------------------------|-----------|
| PhysDevEvtsList ::= SEQUENCE |                   |                                |           |
| {                            | buttonInformation | [0] IMPLICIT ButtonInformation | OPTIONAL, |
|                              | buttonPress       | [1] IMPLICIT ButtonPressEvent  | OPTIONAL, |
| —                            | displayUpdated    | [2] IMPLICIT DisplayUpdated    | OPTIONAL, |
|                              | hookswitch        | [3] IMPLICIT Hookswitch        | OPTIONAL, |
| —                            | lampMode          | [4] IMPLICIT LampMode          | OPTIONAL, |
|                              | messageWaiting    | [5] IMPLICIT MessageWaiting    | OPTIONAL, |
| —                            | microphoneGain    | [6] IMPLICIT MicrophoneGain    | OPTIONAL, |
| —                            | microphoneMute    | [7] IMPLICIT MicrophoneMute    | OPTIONAL, |
| —                            | ringerStatus      | [8] IMPLICIT RingerStatus      | OPTIONAL, |
| —                            | speakerMute       | [9] IMPLICIT SpeakerMute       | OPTIONAL, |
| —                            | speakerVolume     | [10] IMPLICIT SpeakerVolume    | OPTIONAL} |

**1.1.10.125 ButtonInformation**

|                                  |                        |                              |  |
|----------------------------------|------------------------|------------------------------|--|
| ButtonInformation ::= BIT STRING |                        |                              |  |
| {                                | buttonLabel            | ( 0), -- optional parameters |  |
|                                  | buttonAssociatedNumber | ( 1), -- optional parameters |  |
|                                  | buttonPressIndicator   | ( 2), -- optional parameters |  |
|                                  | privateData            | ( 3)) -- optional parameters |  |

**1.1.10.126 ButtonPressEvent**

|                                 |                        |                              |  |
|---------------------------------|------------------------|------------------------------|--|
| ButtonPressEvent ::= BIT STRING |                        |                              |  |
| {                               | buttonLabel            | ( 0), -- optional parameters |  |
|                                 | buttonAssociatedNumber | ( 1), -- optional parameters |  |
|                                 | privateData            | ( 2)) -- optional parameters |  |

**1.1.10.127 DisplayUpdated**

|                               |                         |                              |  |
|-------------------------------|-------------------------|------------------------------|--|
| DisplayUpdated ::= BIT STRING |                         |                              |  |
| {                             | characterSetASCII       | ( 0), -- optional parameters |  |
| —                             | characterSetUnicode     | ( 1), -- optional parameters |  |
| —                             | characterSetProprietary | ( 2), -- optional parameters |  |
| —                             | privateData             | ( 3)) -- optional parameters |  |

**1.1.10.128 Hookswitch**

|                           |             |                               |  |
|---------------------------|-------------|-------------------------------|--|
| Hookswitch ::= BIT STRING |             |                               |  |
| {                         | privateData | ( 0)) -- optional parameters} |  |

**1.1.10.129 LampMode**

|                         |                       |                              |  |
|-------------------------|-----------------------|------------------------------|--|
| LampMode ::= BIT STRING |                       |                              |  |
| {                       | lampModeBrokenFlutter | ( 0), -- optional parameter  |  |
| —                       | lampModeFlutter       | ( 1), -- optional parameter  |  |
| —                       | lampModeOff           | ( 2), -- optional parameter  |  |
| —                       | lampModeSteady        | ( 3), -- optional parameter  |  |
| —                       | lampModeWink          | ( 4), -- optional parameter  |  |
| —                       | lampBrightnessNormal  | ( 5), -- optional parameter  |  |
| —                       | lampBrightnessDim     | ( 6), -- optional parameter  |  |
| —                       | lampBrightnessBright  | ( 7), -- optional parameter  |  |
| —                       | lampColorNoColor      | ( 8), -- optional parameter  |  |
| —                       | lampColorRed          | ( 9), -- optional parameter  |  |
| —                       | lampColorYellow       | (10), -- optional parameter  |  |
| —                       | lampColorGreen        | (11), -- optional parameter  |  |
| —                       | lampColorBlue         | (12), -- optional parameter  |  |
| —                       | lampColorReserved     | (13), -- optional parameter  |  |
| —                       | lampColorSf0          | (14), -- optional parameters |  |
| —                       | lampColorSf1          | (15), -- optional parameters |  |
| —                       | lampColorSf2          | (16), -- optional parameters |  |
| —                       | lampColorSf3          | (17), -- optional parameters |  |
| —                       | lampColorSf4          | (18), -- optional parameters |  |
| —                       | lampColorSf5          | (19), -- optional parameters |  |
| —                       | lampColorSf6          | (20), -- optional parameters |  |
| —                       | lampColorSf7          | (21), -- optional parameters |  |
| —                       | lampColorSf8          | (22), -- optional parameters |  |
| —                       | lampColorSf9          | (23), -- optional parameters |  |
| —                       | lampColorSf10         | (24), -- optional parameters |  |
| —                       | lampColorSf11         | (25), -- optional parameters |  |

|               |       |                     |
|---------------|-------|---------------------|
| lampColorSf12 | (26), | optional parameters |
| lampColorSf13 | (27), | optional parameters |
| lampColorSf14 | (28), | optional parameters |
| lampColorSf15 | (29), | optional parameters |
| lampColorSf16 | (30), | optional parameters |
| lampColorSf17 | (31), | optional parameters |
| lampColorSf18 | (32), | optional parameters |
| lampColorSf19 | (33), | optional parameters |
| lampColorSf20 | (34), | optional parameters |
| lampColorSf21 | (35), | optional parameters |
| lampColorSf22 | (36), | optional parameters |
| lampColorSf23 | (37), | optional parameters |
| lampColorSf24 | (38), | optional parameters |
| lampColorSf25 | (39), | optional parameters |
| lampColorSf26 | (40), | optional parameters |
| lampColorSf27 | (41), | optional parameters |
| lampColorSf28 | (42), | optional parameters |
| lampColorSf29 | (43), | optional parameters |
| lampColorSf30 | (44), | optional parameters |
| lampColorSf31 | (45), | optional parameters |
| lampColorSf32 | (46), | optional parameters |
| lampColorSf33 | (47), | optional parameters |
| lampColorSf34 | (48), | optional parameters |
| lampColorSf35 | (49), | optional parameters |
| lampColorSf36 | (50), | optional parameters |
| lampColorSf37 | (51), | optional parameters |
| lampColorSf38 | (52), | optional parameters |
| lampColorSf39 | (53), | optional parameters |
| lampColorSf40 | (54), | optional parameters |
| lampColorSf41 | (55), | optional parameters |
| lampColorSf42 | (56), | optional parameters |
| lampColorSf43 | (57), | optional parameters |
| lampColorSf44 | (58), | optional parameters |
| lampColorSf45 | (59), | optional parameters |
| lampColorSf46 | (60), | optional parameters |
| lampColorSf47 | (61), | optional parameters |
| lampColorSf48 | (62), | optional parameters |
| lampColorSf49 | (63), | optional parameters |
| lampColorSf50 | (64), | optional parameters |
| lampColorSf51 | (65), | optional parameters |
| lampColorSf52 | (66), | optional parameters |
| lampColorSf53 | (67), | optional parameters |
| lampColorSf54 | (68), | optional parameters |
| lampColorSf55 | (69), | optional parameters |
| lampColorSf56 | (70), | optional parameters |
| lampColorSf57 | (71), | optional parameters |
| lampColorSf58 | (72), | optional parameters |
| lampColorSf59 | (73), | optional parameters |
| lampColorSf60 | (74), | optional parameters |
| lampColorSf61 | (75), | optional parameters |
| lampColorSf62 | (76), | optional parameters |
| lampColorSf63 | (77), | optional parameters |
| lampColorSf64 | (78), | optional parameters |
| lampColorSf65 | (79), | optional parameters |
| lampColorSf66 | (80), | optional parameters |
| lampColorSf67 | (81), | optional parameters |
| lampColorSf68 | (82), | optional parameters |
| lampColorSf69 | (83), | optional parameters |
| lampColorSf70 | (84), | optional parameters |
| lampColorSf71 | (85), | optional parameters |
| lampColorSf72 | (86), | optional parameters |
| lampColorSf73 | (87), | optional parameters |
| lampColorSf74 | (88), | optional parameters |
| lampColorSf75 | (89), | optional parameters |
| lampColorSf76 | (90), | optional parameters |
| lampColorSf77 | (91), | optional parameters |
| lampColorSf78 | (92), | optional parameters |
| lampColorSf79 | (93), | optional parameters |
| lampColorSf80 | (94), | optional parameters |
| lampColorSf81 | (95), | optional parameters |
| lampColorSf82 | (96), | optional parameters |

|                |        |                        |
|----------------|--------|------------------------|
| lampColorSf83  | (97),  | -- optional parameters |
| lampColorSf84  | (98),  | -- optional parameters |
| lampColorSf85  | (99),  | -- optional parameters |
| lampColorSf86  | (100), | -- optional parameters |
| lampColorSf87  | (101), | -- optional parameters |
| lampColorSf88  | (102), | -- optional parameters |
| lampColorSf89  | (103), | -- optional parameters |
| lampColorSf90  | (104), | -- optional parameters |
| lampColorSf91  | (105), | -- optional parameters |
| lampColorSf92  | (106), | -- optional parameters |
| lampColorSf93  | (107), | -- optional parameters |
| lampColorSf94  | (108), | -- optional parameters |
| lampColorSf95  | (109), | -- optional parameters |
| lampColorSf96  | (110), | -- optional parameters |
| lampColorSf97  | (111), | -- optional parameters |
| lampColorSf98  | (112), | -- optional parameters |
| lampColorSf99  | (113), | -- optional parameters |
| lampColorSf100 | (114), | -- optional parameters |
| privateData    | (115)) | -- optional parameters |

### 1.1.10.130 MessageWaiting

```
MessageWaiting ::= BIT STRING
{
  deviceForMsg          ( 0), -- optional parameters
  privateData          ( 1)) -- optional parameters
```

### 1.1.10.131 MicrophoneGain

```
MicrophoneGain ::= BIT STRING
{
  microphoneGainAbs    ( 0), -- optional parameters
  microphoneGainInc    ( 1), -- optional parameters
  privateData          ( 2)) -- optional parameters
```

### 1.1.10.132 MicrophoneMute

```
MicrophoneMute ::= BIT STRING
{
  privateData          ( 0)) -- optional parameters}
```

### 1.1.10.133 RingerStatus

```
RingerStatus ::= BIT STRING
{
  ringerModeRinging    ( 0), -- optional parameters
  ringerModeNotRinging ( 1), -- optional parameters
  ringCount            ( 2), -- optional parameters
  ringPattern          ( 3), -- optional parameters
  ringVolumeAbs        ( 4), -- optional parameters
  ringVolumeInc        ( 5), -- optional parameters
  privateData          ( 6)) -- optional parameters
```

### 1.1.10.134 SpeakerMute

```
SpeakerMute ::= BIT STRING
{
  privateData          ( 0)) -- optional parameters
```

### 1.1.10.135 SpeakerVolume

```
SpeakerVolume ::= BIT STRING
{
  speakerVolumeAbs     ( 0), -- optional parameters
  speakerVolumeInc     ( 1), -- optional parameters
  privateData          ( 2)) -- optional parameters
```

**1.1.10.136 LogicalServList**

|                              |                       |   |
|------------------------------|-----------------------|---|
| LogicalServList ::= SEQUENCE |                       |   |
| {                            | callBackNonCallRel    | [ 0] IMPLICIT CallBackNonCallRel OPTIONAL,    |
|                              | callBackMsgNonCallRel | [ 1] IMPLICIT CallBackMsgNonCallRel OPTIONAL, |
|                              | cancelCallBack        | [ 2] IMPLICIT CancelCallBack OPTIONAL,        |
|                              | cancelCallBackMsg     | [ 3] IMPLICIT CancelCallBackMsg OPTIONAL,     |
|                              | getAgentState         | [ 4] IMPLICIT GetAgentState OPTIONAL,         |
|                              | getAutoAnswer         | [ 5] IMPLICIT GetAutoAnswer OPTIONAL,         |
|                              | getAutoWorkMode       | [ 6] IMPLICIT GetAutoWorkMode OPTIONAL,       |
|                              | getCallerIDStatus     | [ 7] IMPLICIT GetCallerIDStatus OPTIONAL,     |
|                              | getDoNotDisturb       | [ 8] IMPLICIT GetDoNotDisturb OPTIONAL,       |
|                              | getForwarding         | [ 9] IMPLICIT GetForwarding OPTIONAL,         |
|                              | getLastNumberDialed   | [10] IMPLICIT GetLastNumberDialed OPTIONAL,   |
|                              | getRouteingMode       | [11] IMPLICIT GetRouteingMode OPTIONAL,       |
|                              | setAgentState         | [12] IMPLICIT SetAgentStatus OPTIONAL,        |
|                              | setAutoAnswer         | [13] IMPLICIT SetAutoAnswer OPTIONAL,         |
|                              | setAutoWorkMode       | [14] IMPLICIT SetAutoWorkMode OPTIONAL,       |
|                              | setCallerIDStatus     | [15] IMPLICIT SetCallerIDStatus OPTIONAL,     |
|                              | setDoNotDisturb       | [16] IMPLICIT SetDoNotDisturb OPTIONAL,       |
|                              | setForwarding         | [17] IMPLICIT SetForwarding OPTIONAL,         |
|                              | setRouteingMode       | [18] IMPLICIT SetRouteingMode OPTIONAL}       |

**1.1.10.137 CallBackNonCallRel**

|                                   |   |
|-----------------------------------|---|
| CallBackNonCallRel ::= BIT STRING |   |
| {                                 | privateData ( 0), -- optional parameters            |
|                                   | privateDataInAck ( 1), -- optional parameters       |
|                                   | additionalReqForbidden ( 2), -- optional parameters |
|                                   | ackModelMultiStep ( 3)) -- misc characteristics     |

**1.1.10.138 CallBackMsgNonCallRel**

|                                      |   |
|--------------------------------------|---|
| CallBackMsgNonCallRel ::= BIT STRING |   |
| {                                    | privateData ( 0), -- optional parameters            |
|                                      | privateDataInAck ( 1), -- optional parameters       |
|                                      | additionalReqForbidden ( 2), -- optional parameters |
|                                      | ackModelMultiStep ( 3)) -- misc characteristics     |

**1.1.10.139 CancelCallBack**

|                               |   |
|-------------------------------|---|
| CancelCallBack ::= BIT STRING |   |
| {                             | privateData ( 0), -- optional parameters        |
|                               | privateDataInAck ( 1), -- optional parameters   |
|                               | ackModelMultiStep ( 2), -- misc characteristics |
|                               | supportsClearing ( 3)) -- misc characteristics  |

**1.1.10.140 CancelCallBackMsg**

|                                  |   |
|----------------------------------|---|
| CancelCallBackMsg ::= BIT STRING |   |
| {                                | privateData ( 0), -- optional parameters        |
|                                  | privateDataInAck ( 1), -- optional parameters   |
|                                  | ackModelMultiStep ( 2), -- misc characteristics |
|                                  | supportsClearing ( 3)) -- misc characteristics  |

**1.1.10.141 GetAgentState**

|                              |  |
|------------------------------|--|
| GetAgentState ::= BIT STRING |  |
| {                            | acdGroup ( 0), -- optional parameters                            |
|                              | privateData ( 1), -- optional parameters                         |
|                              | agentStateListAgentIDInAck ( 2), -- optional parameters          |
|                              | agentGroupInAck ( 3), -- optional parameters                     |
|                              | pendingAgentStateInAck ( 4), -- optional parameters              |
|                              | agentStateConditionForcedPauseInAck ( 5), -- optional parameters |
|                              | agentStateConditionPauseInAck ( 6), -- optional parameters       |
|                              | privateDataInAck ( 7)) -- optional parameters                    |

**1.1.10.142 GetAutoAnswer**

```

GetAutoAnswer ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  numberofRingsInAck ( 1), -- optional parameters
  privateDataInAck ( 2)) -- optional parameters

```

**1.1.10.143 GetAutoWorkMode**

```

GetAutoWorkMode ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  autoWorkIntervallInAck ( 1), -- optional parameters
  privateDataInAck ( 2)) -- optional parameters

```

**1.1.10.144 GetCallerIDStatus**

```

GetCallerIDStatus ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  privateDataInAck ( 1)) -- optional parameters

```

**1.1.10.145 GetDoNotDisturb**

```

GetDoNotDisturb ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  callOriginParameterInAck ( 1), -- optional parameters
  callOriginInternInAck ( 2), -- optional parameters
  callOriginExternInAck ( 3), -- optional parameters
  callingDeviceListInAck ( 4), -- optional parameters
  privateDataInAck ( 5)) -- optional parameters

```

**1.1.10.146 GetForwarding**

```

GetForwarding ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  forwardListInAck ( 1), -- optional parameters
  forwardListImmediateInAck ( 2), -- optional parameters
  forwardListBusyInAck ( 3), -- optional parameters
  forwardListDNDInAck ( 4), -- optional parameters
  forwardListNoAnsInAck ( 5), -- optional parameters
  forwardListBusyIntInAck ( 6), -- optional parameters
  forwardListBusyExtInAck ( 7), -- optional parameters
  forwardListDNDIntInAck ( 8), -- optional parameters
  forwardListDNDExtInAck ( 9), -- optional parameters
  forwardListNoAnsIntInAck ( 10), -- optional parameters
  forwardListNoAnsExtInAck ( 11), -- optional parameters
  forwardListImmIntInAck ( 12), -- optional parameters
  forwardListImmExtInAck ( 13), -- optional parameters
  forwardDNInAck ( 14), -- optional parameters
  forwardDefaultInAck ( 15), -- optional parameters
  forwardDefaultTypeAndDNInAck ( 16), -- optional parameters
  forwardDefaultTypeInAck ( 17), -- optional parameters
  forwardDefaultDNInAck ( 18), -- optional parameters
  ringCountInAck ( 19), -- optional parameters
  privateDataInAck ( 20)) -- optional parameters

```

**1.1.10.147 GetLastNumberDialed**

```

GetLastNumberDialed ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  privateDataInAck ( 1)) -- optional parameters

```

**1.1.10.148 GetRouteingMode**

```
GetRouteingMode ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  privateDataInAck ( 1)) -- optional parameters
```

**1.1.10.149 SetAgentState**

```
SetAgentStatus ::= BIT STRING
{
  requestedAgentStateLoggedOn ( 0), -- optional parameters
  requestedAgentStateLoggedOff ( 1), -- optional parameters
  requestedAgentStateNotReady ( 2), -- optional parameters
  requestedAgentStateReady ( 3), -- optional parameters
  requestedAgentStateWorkingAfterCall ( 4), -- optional parameters
  agentID ( 5), -- optional parameters
  password ( 6), -- optional parameters
  group ( 7), -- optional parameters
  privateData ( 8), -- optional parameters
  pendingAgentStateWorkingAfterCallInAck ( 9), -- optional parameters
  pendingAgentStateNotReadyInAck (10), -- optional parameters
  pendingAgentStateNullInAck (11), -- optional parameters
  privateDataInAck (12), -- optional parameters
  ackModelMultiStep (13), -- misc characteristics
  groupDeviceAllowedInReq (14), -- misc characteristics
  aCDDeviceAllowedInReq (15), -- misc characteristics
  delayTransitionIfBusy (16), -- misc characteristics
  delayTransitionIfWorkingAfterCall (17)) -- misc characteristics
```

**1.1.10.150 SetAutoAnswer**

```
SetAutoAnswer ::= BIT STRING
{
  numberOFrings ( 0), -- optional parameters
  privateData ( 1), -- optional parameters
  privateDataInAck ( 2), -- optional parameters
  ackModelMultiStep ( 3)) -- misc characteristics
```

**1.1.10.151 SetAutoWorkMode**

```
SetAutoWorkMode ::= BIT STRING
{
  autoWorkInterval ( 0), -- optional parameters
  privateData ( 1), -- optional parameters
  privateDataInAck ( 2), -- optional parameters
  ackModelMultiStep ( 3), -- misc characteristics
  groupDeviceAllowedInReq ( 4), -- misc characteristics
  aCDDeviceAllowedInReq ( 5)) -- misc characteristics
```

**1.1.10.152 SetCallerIDStatus**

```
SetCallerIDStatus ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  privateDataInAck ( 1), -- optional parameters
  ackModelMultiStep ( 2)) -- misc characteristics
```

**1.1.10.153 SetDoNotDisturb**

```
SetDoNotDisturb ::= BIT STRING
{
  callOriginationInternal ( 0), -- optional parameters
  callOriginationExternal ( 1), -- optional parameters
  callingDeviceList ( 2), -- optional parameters
  privateData ( 3), -- optional parameters
  privateDataInAck ( 4), -- optional parameters
  ackModelMultiStep ( 5)) -- misc characteristics
```

**1.1.10.154 SetForwarding**

```

SetForwarding ::= BIT STRING
{
  forwardingTypeBusy          ( 0), -- optional parameters
  forwardingTypeBusyInt      ( 1), -- optional parameters
  forwardingTypeBusyExt      ( 2), -- optional parameters
  forwardingTypeDND          ( 3), -- optional parameters
  forwardingTypeDNDInt      ( 4), -- optional parameters
  forwardingTypeDNDExt      ( 5), -- optional parameters
  forwardingTypeNoAns        ( 6), -- optional parameters
  forwardingTypeNoAnsInt    ( 7), -- optional parameters
  forwardingTypeNoAnsExt    ( 8), -- optional parameters
  forwardingTypeImmediate    ( 9), -- optional parameters
  forwardingTypeImmlnt      (10), -- optional parameters
  forwardingTypeImmExt      (11), -- optional parameters
  forwardDN                  (12), -- optional parameters
  ringCount                  (13), -- optional parameters
  privateData                (14), -- optional parameters
  privateDataInAck          (15), -- optional parameters
  ackModelMultiStep         (16)) -- misc characteristics

```

**1.1.10.155 SetRouteingMode**

```

SetRouteingMode ::= BIT STRING
{
  privateData                ( 0), -- optional parameters
  privateDataInAck          ( 1), -- optional parameters
  ackModelMultiStep         ( 2)) -- misc characteristics

```

**1.1.10.156 LogicalEvtsList**

```

LogicalEvtsList ::= SEQUENCE
{
  agentBusy          [0] IMPLICIT AgentBusy          OPTIONAL,
  agentLoggedOff     [1] IMPLICIT AgentLoggedOff     OPTIONAL,
  agentLoggedOn      [2] IMPLICIT AgentLoggedOn      OPTIONAL,
  agentNotReady      [3] IMPLICIT AgentNotReady      OPTIONAL,
  agentReady         [4] IMPLICIT AgentReady         OPTIONAL,
  agentWorkingAfterCall [5] IMPLICIT AgentWorkingAfterCall OPTIONAL,
  autoAnswer         [6] IMPLICIT AutoAnswer         OPTIONAL,
  autoWorkMode       [7] IMPLICIT AutoWorkMode       OPTIONAL,
  callBack           [8] IMPLICIT CallBackEvent      OPTIONAL,
  callBackMessage    [9] IMPLICIT CallBackMessageEvent OPTIONAL,
  callerIDStatus     [10] IMPLICIT CallerIDStatus    OPTIONAL,
  doNotDisturb       [11] IMPLICIT DoNotDisturb     OPTIONAL,
  forwarding         [12] IMPLICIT Forwarding        OPTIONAL,
  routeingMode       [13] IMPLICIT RouteingMode     OPTIONAL
}

```

**1.1.10.157 AgentBusy**

```

AgentBusy ::= BIT STRING
{
  agentID                ( 0), -- optional parameters
  acdGroup                ( 1), -- optional parameters
  pendingAgentStateWorkingAfterCall ( 2), -- optional parameters
  pendingAgentStateNotReady ( 3), -- optional parameters
  pendingAgentStateReady ( 4), -- optional parameters
  pendingAgentStateNull ( 5), -- optional parameters
  cause                  ( 6), -- optional parameters
  privateData            ( 7)) -- optional parameters

```

**1.1.10.158 AgentLoggedOff**

```

AgentLoggedOff ::= BIT STRING
{
  agented                ( 0), -- optional parameters
  acdGroup                ( 1), -- optional parameters
  agentPassword          ( 2), -- optional parameters
  cause                  ( 3), -- optional parameters
  privateData            ( 4)) -- optional parameters

```

**1.1.10.159 AgentLoggedIn**

```
AgentLoggedIn ::= BIT STRING
{
  agentID          ( 0), -- optional parameters
  acdGroup         ( 1), -- optional parameters
  agentPassword    ( 2), -- optional parameters
  cause            ( 3), -- optional parameters
  privateData      ( 4)) -- optional parameters
```

**1.1.10.160 AgentNotReady**

```
AgentNotReady ::= BIT STRING
{
  agented          ( 0), -- optional parameters
  acdGroup         ( 1), -- optional parameters
  cause            ( 2), -- optional parameters
  privateData      ( 3)) -- optional parameters
```

**1.1.10.161 AgentReady**

```
AgentReady ::= BIT STRING
{
  agentID          ( 0), -- optional parameters
  acdGroup         ( 1), -- optional parameters
  cause            ( 2), -- optional parameters
  privateData      ( 3)) -- optional parameters
```

**1.1.10.162 AgentWorkingAfterCall**

```
AgentWorkingAfterCall ::= BIT STRING
{
  agentID          ( 0), -- optional parameters
  acdGroup         ( 1), -- optional parameters
  pendingAgentStateNotReady ( 2), -- optional parameters
  pendingAgentStateReady   ( 3), -- optional parameters
  pendingAgentStateNull    ( 4), -- optional parameters
  cause              ( 5), -- optional parameters
  privateData        ( 6)) -- optional parameters
```

**1.1.10.163 AutoAnswer**

```
AutoAnswer ::= BIT STRING
{
  numberOfRings    ( 0), -- optional parameters
  privateData      ( 1)) -- optional parameters
```

**1.1.10.164 AutoWorkMode**

```
AutoWorkMode ::= BIT STRING
{
  privateData      ( 0)) -- optional parameters
```

**1.1.10.165 CallbackEvent**

```
CallbackEvent ::= BIT STRING
{
  privateData      ( 0)) -- optional parameters
```

**1.1.10.166 CallbackMessageEvent**

```
CallbackMessageEvent ::= BIT STRING
{
  privateData      ( 0)) -- optional parameters
```

**1.1.10.167 CallerIDStatus**

```
CallerIDStatus ::= BIT STRING
{
  privateData      ( 0)) -- optional parameters
```

**1.1.10.168 DoNotDisturb**

```
DoNotDisturb ::= BIT STRING
{
  callOriginationParameter ( 0), -- optional parameters
  callOriginationInternal  ( 1), -- optional parameters
  callOriginationExternal  ( 2), -- optional parameters
  callingDeviceList        ( 3), -- optional parameters
  privateData               ( 4)) -- optional parameters
```

**1.1.10.169 Forwarding**

```

Forwarding ::= BIT STRING
{
  forwardingTypeBusy          ( 0),
  forwardingTypeBusyInt      ( 1),
  forwardingTypeBusyExt      ( 2),
  forwardingTypeDND          ( 3),
  forwardingTypeDNDInt       ( 4),
  forwardingTypeDNDExt       ( 5),
  forwardingTypeNoAns        ( 6),
  forwardingTypeNoAnsInt     ( 7),
  forwardingTypeNoAnsExt     ( 8),
  forwardingTypeImmediate    ( 9),
  forwardingTypeImmInt       (10),
  forwardingTypeImmExt       (11),
  forwardTo                   (12),
  forwardDefaultTypeAndDN    (13),
  forwardDefaultType         (14),
  forwardDefaultDN           (15),
  ringCount                   (16),
  privateData                 (17)}

```

**1.1.10.170 RouteingMode**

```

RouteingMode ::= BIT STRING
{
  privateData ( 0) -- optional parameters}

```

**1.1.10.171 DeviceMaintEvtsList**

```

DeviceMaintEvtsList ::= SEQUENCE
{
  backInService          [0] IMPLICIT BackInService  OPTIONAL,
  deviceCapsChanged     [1] IMPLICIT DeviceCapsChanged OPTIONAL,
  outOfService           [2] IMPLICIT OutOfService   OPTIONAL,}

```

**1.1.10.172 BackInService**

```

BackInService ::= BIT STRING
{
  cause ( 0), -- optional parameters
  privateData ( 1) -- optional parameters}

```

**1.1.10.173 DeviceCapsChanged**

```

DeviceCapsChanged ::= BIT STRING
{
  cause ( 0), -- optional parameters
  privateData ( 1) -- optional parameters}

```

**1.1.10.174 OutOfService**

```

OutOfService ::= BIT STRING
{
  cause ( 0), -- optional parameters
  privateData ( 1) -- optional parameters}

```

**1.1.10.175 IOservicesServList**

|                                 |   |
|---------------------------------|---|
| IOservicesServList ::= SEQUENCE |   |
| — ioRegister                    | [ 0] IMPLICIT IoRegister OPTIONAL,        |
| — ioRegisterAbort               | [ 1] IMPLICIT IoRegisterAbort OPTIONAL,   |
| — ioRegisterCancel              | [ 2] IMPLICIT IoRegisterCancel OPTIONAL,  |
| — dataPathResumed               | [ 3] IMPLICIT DataPathResumed OPTIONAL,   |
| — dataPathSuspended             | [ 4] IMPLICIT DataPathSuspended OPTIONAL, |
| — fastData                      | [ 5] IMPLICIT FastData OPTIONAL,          |
| — resumeDataPath                | [ 6] IMPLICIT ResumeDataPath OPTIONAL,    |
| — sendBroadcastData             | [ 7] IMPLICIT SendBroadcastData OPTIONAL, |
| — sendData                      | [ 8] IMPLICIT SendData OPTIONAL,          |
| — sendMulticastData             | [ 9] IMPLICIT SendMulticastData OPTIONAL, |
| — startDataPath                 | [10] IMPLICIT StartDataPath OPTIONAL,     |
| — stopDataPath                  | [11] IMPLICIT StopDataPath OPTIONAL,      |
| — suspendDataPath               | [12] IMPLICIT SuspendDataPath OPTIONAL,   |

**1.1.10.176 IoRegister**

|                           |                               |
|---------------------------|-------------------------------|
| IoRegister ::= BIT STRING |                               |
| — ioDevice                | ( 0), -- optional parameters  |
| — privateData             | ( 1), -- optional parameters  |
| — privateDataInAck        | ( 2), -- optional parameters  |
| — allIODevices            | ( 3)) -- misc characteristics |

**1.1.10.177 IoRegisterAbort**

|                                |                                |
|--------------------------------|--------------------------------|
| IoRegisterAbort ::= BIT STRING |                                |
| — privateData                  | ( 0)) -- optional parameters } |

**1.1.10.178 IoRegisterCancel**

|                                 |                              |
|---------------------------------|------------------------------|
| IoRegisterCancel ::= BIT STRING |                              |
| — privateData                   | ( 0), -- optional parameters |
| — privateDataInAck              | ( 1)) -- optional parameters |

**1.1.10.179 DataPathResumed**

|                                |                              |
|--------------------------------|------------------------------|
| DataPathResumed ::= BIT STRING |                              |
| — privateData                  | ( 0), -- optional parameters |
| — privateDataInAck             | ( 1)) -- optional parameters |

**1.1.10.180 DataPathSuspended**

|                                  |                              |
|----------------------------------|------------------------------|
| DataPathSuspended ::= BIT STRING |                              |
| — privateData                    | ( 0), -- optional parameters |
| — privateDataInAck               | ( 1)) -- optional parameters |

**1.1.10.181 FastData**

|                                    |                               |
|------------------------------------|-------------------------------|
| FastData ::= BIT STRING            |                               |
| — objectDevice                     | ( 0), -- optional parameters  |
| — objectCall                       | ( 1), -- optional parameters  |
| — dataPathTypeText                 | ( 2), -- optional parameters  |
| — dataPathTypeVoice                | ( 3), -- optional parameters  |
| — displayAttribPhyBaseRowNumber    | ( 4), -- optional parameters  |
| — displayAttribPhyBaseColumnNumber | ( 5), -- optional parameters  |
| — displayAttribOffset              | ( 6), -- optional parameters  |
| — privateData                      | ( 7), -- optional parameters  |
| — privateDataInAck                 | ( 8), -- optional parameters  |
| — supportsModifyingPosition        | ( 9)) -- misc characteristics |

**1.1.10.182 ResumeDataPath**

|                               |                               |
|-------------------------------|-------------------------------|
| ResumeDataPath ::= BIT STRING |                               |
| — privateData                 | ( 0), -- optional parameters  |
| — privateDataInAck            | ( 1), -- optional parameters  |
| — sendsDataPathResumed        | ( 2)) -- misc characteristics |

**1.1.10.183 SendBroadcastData**

|                                  |                              |
|----------------------------------|------------------------------|
| SendBroadcastData ::= BIT STRING |                              |
| — privateData                    | ( 0), -- optional parameters |

|                                  |       |                         |
|----------------------------------|-------|-------------------------|
| dataPathTypeText                 | ( 1), | -- optional parameters  |
| dataPathTypeVoice                | ( 2), | -- optional parameters  |
| displayAttribPhyBaseRowNumber    | ( 3), | -- optional parameters  |
| displayAttribPhyBaseColumnNumber | ( 4), | -- optional parameters  |
| displayAttribOffset              | ( 5), | -- optional parameters  |
| privateDataInAck                 | ( 6), | -- optional parameters  |
| supportsModifyingPosition        | ( 7)) | -- misc characteristics |

**1.1.10.184 SendData**

|                         |                                  |                               |
|-------------------------|----------------------------------|-------------------------------|
| SendData ::= BIT STRING |                                  |                               |
| {                       | displayAttribPhyBaseRowNumber    | ( 0), -- optional parameters  |
| —                       | displayAttribPhyBaseColumnNumber | ( 1), -- optional parameters  |
| —                       | displayAttribOffset              | ( 2), -- optional parameters  |
| —                       | ioCauseTerminationCharReceived   | ( 3), -- optional parameters  |
| —                       | ioCauseCharCountReached          | ( 4), -- optional parameters  |
| —                       | ioCauseTimeout                   | ( 5), -- optional parameters  |
| —                       | ioCauseSfTerminated              | ( 6), -- optional parameters  |
| —                       | privateData                      | ( 7), -- optional parameters  |
| —                       | privateDataInAck                 | ( 8), -- optional parameters  |
| —                       | supportsModifyingPosition        | ( 9)) -- misc characteristics |

**1.1.10.185 SendMulticastData**

|                                  |                                  |                               |
|----------------------------------|----------------------------------|-------------------------------|
| SendMulticastData ::= BIT STRING |                                  |                               |
| {                                | ioData                           | ( 0), -- optional parameters  |
| —                                | displayAttribPhyBaseRowNumber    | ( 1), -- optional parameters  |
| —                                | displayAttribPhyBaseColumnNumber | ( 2), -- optional parameters  |
| —                                | displayAttribOffset              | ( 3), -- optional parameters  |
| —                                | privateData                      | ( 4), -- optional parameters  |
| —                                | privateDataInAck                 | ( 5), -- optional parameters  |
| —                                | supportsModifyingPosition        | ( 6)) -- misc characteristics |

**1.1.10.186 StartDataPath**

|                              |                                |                              |
|------------------------------|--------------------------------|------------------------------|
| StartDataPath ::= BIT STRING |                                |                              |
| {                            | objectDevice                   | ( 0), -- optional parameters |
| —                            | objectCall                     | ( 1), -- optional parameters |
| —                            | dataPathDirectionCftToObject   | ( 2), -- optional parameters |
| —                            | dataPathDirectionObjectToCf    | ( 3), -- optional parameters |
| —                            | dataPathDirectionBidirectional | ( 4), -- optional parameters |
| —                            | dataPathTypeText               | ( 5), -- optional parameters |
| —                            | dataPathTypeVoice              | ( 6), -- optional parameters |
| —                            | numberOfCharsToCollect         | ( 7), -- optional parameters |
| —                            | terminationChar                | ( 8), -- optional parameters |
| —                            | timeout                        | ( 9), -- optional parameters |
| —                            | privateData                    | (10), -- optional parameters |
| —                            | numberOfCharsToCollectInAck    | (11), -- optional parameters |
| —                            | terminationCharInAck           | (12), -- optional parameters |
| —                            | timeoutInAck                   | (13), -- optional parameters |
| —                            | privateDataInAck               | (14)) -- optional parameters |

**1.1.10.187 StopDataPath**

|                             |                  |                              |
|-----------------------------|------------------|------------------------------|
| StopDataPath ::= BIT STRING |                  |                              |
| {                           | privateData      | ( 0), -- optional parameters |
| —                           | privateDataInAck | ( 1)) -- optional parameters |

**1.1.10.188 SuspendDataPath**

|                                |                  |                              |
|--------------------------------|------------------|------------------------------|
| SuspendDataPath ::= BIT STRING |                  |                              |
| {                              | privateData      | ( 0), -- optional parameters |
| —                              | privateDataInAck | ( 1)) -- optional parameters |

**1.1.10.189 DataCollectionServList**

```

DataCollectionServList ::= SEQUENCE
{
  dataCollected          [ 0] IMPLICIT DataCollected          OPTIONAL,
  dataCollectionResumed  [ 1] IMPLICIT DataCollectionResumed  OPTIONAL,
  dataCollectionSuspended [ 2] IMPLICIT DataCollectionSuspended [ OPTIONAL,
  resumeDataCollection   [ 3] IMPLICIT ResumeDataCollection   OPTIONAL,
  startDataCollection    [ 4] IMPLICIT StartDataCollection    OPTIONAL,
  stopDataCollection     [ 5] IMPLICIT StopDataCollection     OPTIONAL,
  suspendDataCollection  [ 6] IMPLICIT SuspendDataCollection  OPTIONAL
}

```

**1.1.10.190 DataCollected**

```

DataCollected ::= BIT-STRING
{
  digitsDuration          ( 0), -- optional parameters
  digitsPauseDuration    ( 1), -- optional parameters
  toneDetectedBeep       ( 2), -- optional parameters
  toneDetectedBilling    ( 3), -- optional parameters
  toneDetectedBusy       ( 4), -- optional parameters
  toneDetectedCarrier    ( 5), -- optional parameters
  toneDetectedConfirmation ( 6), -- optional parameters
  toneDetectedDial       ( 7), -- optional parameters
  toneDetectedFaxCNG     ( 8), -- optional parameters
  toneDetectedHold       ( 9), -- optional parameters
  toneDetectedHowler     (10), -- optional parameters
  toneDetectedIntrusion  (11), -- optional parameters
  toneDetectedModemCNG   (12), -- optional parameters
  toneDetectedPark       (13), -- optional parameters
  toneDetectedRecordWarning (14), -- optional parameters
  toneDetectedReorder    (15), -- optional parameters
  toneDetectedRingback   (16), -- optional parameters
  toneDetectedSilence    (17), -- optional parameters
  toneDetectedSitVC      (18), -- optional parameters
  toneDetectedSitIC      (19), -- optional parameters
  toneDetectedSitRO      (20), -- optional parameters
  toneDetectedSitNC      (21), -- optional parameters
  toneDetectedSf0        (22), -- optional parameters
  toneDetectedSf1        (23), -- optional parameters
  toneDetectedSf2        (24), -- optional parameters
  toneDetectedSf3        (25), -- optional parameters
  toneDetectedSf4        (26), -- optional parameters
  toneDetectedSf5        (27), -- optional parameters
  toneDetectedSf6        (28), -- optional parameters
  toneDetectedSf7        (29), -- optional parameters
  toneDetectedSf8        (30), -- optional parameters
  toneDetectedSf9        (31), -- optional parameters
  toneDetectedSf10       (32), -- optional parameters
  toneDetectedOther      (33), -- optional parameters
  toneFrequency          (34), -- optional parameters
  toneDuration           (35), -- optional parameters
  tonePauseDuration      (36), -- optional parameters
  connectionInfo         (37), -- optional parameters
  dcollCauseFushCharReceived (38), -- optional parameters
  dcollCauseCharCountReached (39), -- optional parameters
  dcollCauseTimeout      (40), -- optional parameters
  dcollCauseSFTerminated (41), -- optional parameters
  privateData            (42), -- optional parameters
  privateDataInAck       (43)} -- optional parameters
}

```

**1.1.10.191 DataCollectionResumed**

```

DataCollectionResumed ::= BIT-STRING
{
  privateData            ( 0), -- optional parameters
  privateDataInAck      ( 1)} -- optional parameters
}

```

**1.1.10.192 DataCollectionSuspended**

```

DataCollectionSuspended ::= BIT-STRING
{
  privateData            ( 0), -- optional parameters
  privateDataInAck      ( 1)} -- optional parameters
}

```

**1.1.10.193 ResumeDataCollection**

```
ResumeDataCollection ::= BIT STRING
{
  privateData (0), -- optional parameters
  privateDataInAck (1)) -- optional parameters }
```

**1.1.10.194 StartDataCollection**

```
StartDataCollection ::= BIT STRING
{
  objectDevice (0), -- optional parameters
  objectCall (1), -- optional parameters
  dataCollectionTypeDigits (2), -- optional parameters
  dataCollectionTypeTones (3), -- optional parameters
  digitsReportingCriteriaNumChars (4), -- optional parameters
  digitsReportingCriteriaFlushChar (5), -- optional parameters
  digitsReportingCriteriaTimeout (6), -- optional parameters
  privateData (7), -- optional parameters
  privateDataInAck (8)) -- optional parameters }
```

**1.1.10.195 StopDataCollection**

```
StopDataCollection ::= BIT STRING
{
  privateData (0), -- optional parameters
  privateDataInAck (1)) -- optional parameters }
```

**1.1.10.196 SuspendDataCollection**

```
SuspendDataCollection ::= BIT STRING
{
  privateData (0), -- optional parameters
  privateDataInAck (1)) -- optional parameters }
```

**1.1.10.197 VoiceUnitServList**

```
VoiceUnitServList ::= SEQUENCE
{
  concatenateMsg [0] IMPLICIT ConcatenateMsg OPTIONAL,
  deleteMsg [1] IMPLICIT DeleteMsg OPTIONAL,
  playMsg [2] IMPLICIT PlayMsg OPTIONAL,
  queryVoiceAttrib [3] IMPLICIT QueryVoiceAttrib OPTIONAL,
  recordMsg [4] IMPLICIT RecordMsg OPTIONAL,
  reposition [5] IMPLICIT Reposition OPTIONAL,
  resume [6] IMPLICIT Resume OPTIONAL,
  review [7] IMPLICIT Review OPTIONAL,
  setVoiceAttrib [8] IMPLICIT SetVoiceAttrib OPTIONAL,
  stop [9] IMPLICIT Stop OPTIONAL,
  suspend [10] IMPLICIT Suspend OPTIONAL,
  synthesizeMsg [11] IMPLICIT SynthesizeMsg OPTIONAL }
```

**1.1.10.198 ConcatenateMsg**

```
ConcatenateMsg ::= BIT STRING
{
  privateData (0), -- optional parameters
  privateDataInAck (1)) -- optional parameters }
```

**1.1.10.199 DeleteMsg**

```
DeleteMsg ::= BIT STRING
{
  privateData (0), -- optional parameters
  privateDataInAck (1)) -- optional parameters }
```

**1.1.10.200 PlayMsg**

```
PlayMsg ::= BIT STRING
{
  duration (0), -- optional parameters
  terminationParameter (1), -- optional parameters
  terminationDurationExceeded (2), -- optional parameters
  terminationDTMFDigitDetected (3), -- optional parameters
  terminationEndOfSpeechDetected (4), -- optional parameters
  terminationSpeech (5), -- optional parameters
  privateData (6), -- optional parameters
  privateDataInAck (7), -- optional parameters
  multipleMsgsSimultaneously (8)) -- miscellaneous characteristics }
```

**1.1.10.201 QueryVoiceAttrib**

```

QueryVoiceAttrib ::= BIT STRING
{
  attribToQueryEncodingAlgorithm ( 0), -- optional parameters
  attribToQuerySamplingRate ( 1), -- optional parameters
  attribToQueryDuration ( 2), -- optional parameters
  attribToQueryFilename ( 3), -- optional parameters
  attribToQueryCurrentPosition ( 4), -- optional parameters
  attribToQueryCurrentSpeed ( 5), -- optional parameters
  attribToQueryCurrentVolume ( 6), -- optional parameters
  attribToQueryCurrentLevel ( 7), -- optional parameters
  attribToQueryCurrentState ( 8), -- optional parameters
  connection ( 9), -- optional parameters
  duration (10), -- optional parameters
  terminationParameter (11), -- optional parameters
  terminationDurationExceeded (12), -- optional parameters
  terminationDTMFDigitDetected (13), -- optional parameters
  terminationEndOfSpeechDetected (14), -- optional parameters
  terminationSpeech (15), -- optional parameters
  privateData (16), -- optional parameters
  attribInAckEncodingAlgorithmADPCM6K (17), -- optional parameters
  attribInAckEncodingAlgorithmADPCM8K (18), -- optional parameters
  attribInAckEncodingAlgorithmMuLawPCM6K (19), -- optional parameters
  attribInAckEncodingAlgorithmALawPCM6K (20), -- optional parameters
  attribInAckSamplingRate (21), -- optional parameters
  attribInAckDuration (22), -- optional parameters
  attribInAckFilename (23), -- optional parameters
  attribInAckCurrentPosition (24), -- optional parameters
  attribInAckCurrentSpeed (25), -- optional parameters
  attribInAckCurrentVolumeAbs (26), -- optional parameters
  attribInAckCurrentGain (27), -- optional parameters
  attribInAckCurrentState (28), -- optional parameters
  privateDataInAck (29)} -- optional parameters}

```

**1.1.10.202 RecordMsg**

```

RecordMsg ::= BIT STRING
{
  samplingRate ( 0), -- optional parameters
  encodingAlgorithmADPCM6K ( 1), -- optional parameters
  encodingAlgorithmADPCM8K ( 2), -- optional parameters
  encodingAlgorithmMuLawPCM6K ( 3), -- optional parameters
  encodingAlgorithmALawPCM6K ( 4), -- optional parameters
  maxDuration ( 5), -- optional parameters
  terminationParameter ( 6), -- optional parameters
  terminationDurationExceeded ( 7), -- optional parameters
  terminationDTMFDigitDetected ( 8), -- optional parameters
  terminationEndOfDataDetected ( 9), -- optional parameters
  terminationSpeechDetected (10), -- optional parameters
  privateData (11), -- optional parameters
  privateDataInAck (12)} -- optional parameters}

```

**1.1.10.203 Reposition**

```

Reposition ::= BIT STRING
{
  periodOfRepositionStartOfMsg ( 0), -- optional parameters
  periodOfRepositionEndOfMsg ( 1), -- optional parameters
  periodOfRepositionRelativePointer ( 2), -- optional parameters
  msgToReposition ( 3), -- optional parameters
  privateData ( 4), -- optional parameters
  privateDataInAck ( 5)} -- optional parameters}

```

**1.1.10.204 Resume**

```

Resume ::= BIT STRING
{
  msgToResume ( 0), -- optional parameters
  duration ( 1), -- optional parameters
  privateData ( 2), -- optional parameters
  privateDataInAck ( 3)} -- optional parameters}

```

**1.1.10.205 Review**

```
Review ::= BIT STRING
{
  periodToResumeStartOfMsg ( 0), -- optional parameters
  periodToResumeLengthOfReview ( 1), -- optional parameters
  privateData ( 2), -- optional parameters
  privateDataInAck ( 3)) -- optional parameters}
```

**1.1.10.206 SetVoiceAttrib**

```
SetVoiceAttrib ::= BIT STRING
{
  currentSpeed ( 0), -- optional parameters
  currentVolumeAbs ( 1), -- optional parameters
  currentVolumeInc ( 2), -- optional parameters
  periodToResumeStartOfMsg ( 3), -- optional parameters
  periodToResumeLengthOfReview ( 4), -- optional parameters
  currentGain ( 5), -- optional parameters
  message ( 6), -- optional parameters
  privateData ( 7), -- optional parameters
  privateDataInAck ( 8)) -- optional parameters}
```

**1.1.10.207 Stop**

```
Stop ::= BIT STRING
{
  privateData ( 0), -- optional parameters
  privateDataInAck ( 1)) -- optional parameters }
```

**1.1.10.208 Suspend**

```
Suspend ::= BIT STRING
{
  message ( 0), -- optional parameters
  privateData ( 1), -- optional parameters
  privateDataInAck ( 2)) -- optional parameters }
```

**1.1.10.209 SynthesizeMsg**

```
SynthesizeMsg ::= BIT STRING
{
  genderMale ( 0), -- optional parameters
  genderFemale ( 1), -- optional parameters
  privateData ( 2), -- optional parameters
  privateDataInAck ( 3)) -- optional parameters}
```

**1.1.10.210 VoiceUnitEvtsList**

```
VoiceUnitEvtsList ::= SEQUENCE
{
  play [ 0] IMPLICIT Play OPTIONAL,
  record [ 1] IMPLICIT Record OPTIONAL,
  review [ 2] IMPLICIT ReviewEvent OPTIONAL,
  stop [ 3] IMPLICIT StopEvent OPTIONAL,
  suspendPlay [ 4] IMPLICIT SuspendPlay OPTIONAL,
  suspendRecord [ 5] IMPLICIT SuspendRecord OPTIONAL,
  voiceAttribChanged [ 6] IMPLICIT VoiceAttribChanged OPTIONAL}
```

**1.1.10.211 Play**

```
Play ::= BIT STRING
{
  length ( 0), -- optional parameters
  currentPosition ( 1), -- optional parameters
  speed ( 2), -- optional parameters
  cause ( 3), -- optional parameters
  servicesPermitted ( 4), -- optional parameters
  privateData ( 5)) -- optional parameters}
```

**1.1.10.212 Record**

```
Record ::= BIT STRING
{
  length ( 0), -- optional parameters
  currentPosition ( 1), -- optional parameters
  speed ( 2), -- optional parameters
  cause ( 3), -- optional parameters
  servicesPermitted ( 4), -- optional parameters
  privateData ( 5)} -- optional parameters}
```

**1.1.10.213 ReviewEvent**

```
ReviewEvent ::= BIT STRING
{
  length ( 0), -- optional parameters
  currentPosition ( 1), -- optional parameters
  cause ( 2), -- optional parameters
  servicesPermitted ( 3), -- optional parameters
  privateData ( 4)} -- optional parameters}
```

**1.1.10.214 StopEvent**

```
StopEvent ::= BIT STRING
{
  length ( 0), -- optional parameters
  currentPosition ( 1), -- optional parameters
  speed ( 2), -- optional parameters
  cause ( 3), -- optional parameters
  servicesPermitted ( 4), -- optional parameters
  privateData ( 5)} -- optional parameters}
```

**1.1.10.215 SuspendPlay**

```
SuspendPlay ::= BIT STRING
{
  length ( 0), -- optional parameters
  currentPosition ( 1), -- optional parameters
  cause ( 2), -- optional parameters
  servicesPermitted ( 3), -- optional parameters
  privateData ( 4)} -- optional parameters}
```

**1.1.10.216 SuspendRecord**

```
SuspendRecord ::= BIT STRING
{
  length ( 0), -- optional parameters
  currentPosition ( 1), -- optional parameters
  cause ( 2), -- optional parameters
  servicesPermitted ( 3), -- optional parameters
  privateData ( 4)} -- optional parameters}
```

**1.1.10.217 VoiceAttribChanged**

```
VoiceAttribChanged ::= BIT STRING
{
  playVolumeAbs ( 0), -- optional parameters
  playVolumeInc ( 1), -- optional parameters
  recordGain ( 2), -- optional parameters
  speed ( 3), -- optional parameters
  currentPosition ( 4), -- optional parameters
  cause ( 5), -- optional parameters
  privateData ( 6)} -- optional parameters }
```

**1.1.10.218 CDRServList**

|                          |                      |                                    |            |
|--------------------------|----------------------|------------------------------------|------------|
| CDRServList ::= SEQUENCE |                      |                                    |            |
| {                        | cdrNotification      | [ 0] IMPLICIT CdrNotification      | OPTIONAL,  |
|                          | cdrReport            | [ 1] IMPLICIT CdrReport            | OPTIONAL,  |
|                          | sendStoredCDRs       | [ 2] IMPLICIT SendStoredCDRs       | OPTIONAL,  |
|                          | startCDRTransmission | [ 3] IMPLICIT StartCDRTransmission | OPTIONAL,  |
|                          | stopCDRTransmission  | [ 4] IMPLICIT StopCDRTransmission  | OPTIONAL } |

**1.1.10.219 CdrNotification**

|                                |  |
|--------------------------------|--|
| CdrNotification ::= BIT STRING |  |
| {                              | cdrReasonTimeout ( 0), -- optional parameters          |
|                                | cdrReasonThresholdReached ( 1), -- optional parameters |
|                                | cdrReasonOther ( 2), -- optional parameters            |
|                                | privateData ( 3), -- optional parameters               |
|                                | privateDataInAck ( 4) -- optional parameters           |

**1.1.10.220 CdrReport**

|                          |  |
|--------------------------|--|
| CdrReport ::= BIT STRING |  |
| {                        | cdrReasonTimeout ( 0), -- optional parameters                      |
|                          | cdrReasonThresholdReached ( 1), -- optional parameters             |
|                          | cdrReasonOther ( 2), -- optional parameters                        |
|                          | recordNumber ( 3), -- optional parameter                           |
|                          | recordCreationTime ( 4), -- optional parameter                     |
|                          | callingDevice ( 5), -- optional parameter                          |
|                          | calledDevice ( 6), -- optional parameter                           |
|                          | assocCallingDevice ( 7), -- optional parameter                     |
|                          | assocCalledDevice ( 8), -- optional parameter                      |
|                          | netwCallingDevice ( 9), -- optional parameter                      |
|                          | netwCalledDevice ( 10), -- optional parameter                      |
|                          | callCharacteristics ( 11), -- optional parameter                   |
|                          | mediaCallCharacteristics ( 12), -- optional parameter              |
|                          | chargedDeviceOperator ( 13), -- optional parameter                 |
|                          | chargedDeviceNonOperator ( 14), -- optional parameters             |
|                          | recordedCall ( 15), -- optional parameters                         |
|                          | nodeNumberArea0 ( 16), -- optional parameters                      |
|                          | nodeNumberArea1 ( 17), -- optional parameters                      |
|                          | nodeNumberArea2 ( 18), -- optional parameters                      |
|                          | tarifTable ( 19), -- optional parameters                           |
|                          | connectionStart ( 20), -- optional parameters                      |
|                          | connectionEnd ( 21), -- optional parameters                        |
|                          | connectionDuration ( 22), -- optional parameters                   |
|                          | accessCode ( 23), -- optional parameters                           |
|                          | carrier ( 24), -- optional parameters                              |
|                          | selectedRoute ( 25), -- optional parameters                        |
|                          | billingIndicatorNormalCharging ( 26), -- optional parameters       |
|                          | billingIndicatorReverseCharging ( 27), -- optional parameters      |
|                          | billingIndicatorCreditCardCharging ( 28), -- optional parameters   |
|                          | billingIndicatorCallForwarding ( 29), -- optional parameters       |
|                          | billingIndicatorCallDeflection ( 30), -- optional parameters       |
|                          | billingIndicatorCallTransfer ( 31), -- optional parameters         |
|                          | billingIndicatorOther ( 32), -- optional parameters                |
|                          | chargingInfo ( 33), -- optional parameters                         |
|                          | suppServiceInfoNormalCall ( 34), -- optional parameters            |
|                          | suppServiceInfoConsultationCall ( 35), -- optional parameters      |
|                          | suppServiceInfoTransferCall ( 36), -- optional parameters          |
|                          | suppServiceInfoCallCompletion ( 37), -- optional parameters        |
|                          | suppServiceInfoCallForwarding ( 38), -- optional parameters        |
|                          | suppServiceInfoCallDiversion ( 39), -- optional parameters         |
|                          | suppServiceInfoConferencing ( 40), -- optional parameters          |
|                          | suppServiceInfoIntrusion ( 41), -- optional parameters             |
|                          | suppServiceInfoUserUserInfo ( 42), -- optional parameters          |
|                          | suppServiceInfoOther ( 43), -- optional parameters                 |
|                          | reasonForTermNormalClearing ( 44), -- optional parameters          |
|                          | reasonForTermUnsuccessfulCallAttempt ( 45), -- optional parameters |
|                          | reasonForTermAbnormalTermination ( 46), -- optional parameters     |
|                          | reasonForTermCallTransferred ( 47), -- optional parameters         |
|                          | reasonForTermOther ( 48), -- optional parameters                   |
|                          | authCode ( 49), -- optional parameters                             |
|                          | accountInfo ( 50), -- optional parameters                          |

|                          |       |                        |
|--------------------------|-------|------------------------|
| deviceCategory           | (51), | -- optional parameters |
| namedDeviceTypes         | (52), | -- optional parameters |
| operatorDevice           | (53), | -- optional parameters |
| lastStoredCDRRReportSent | (54), | -- optional parameters |
| privateData              | (55), | -- optional parameters |
| privateDataInAck         | (56)) | -- optional parameters |

#### 1.1.10.221 *SendStoredCDRs*

|                               |                  |                              |
|-------------------------------|------------------|------------------------------|
| SendStoredCDRs ::= BIT STRING |                  |                              |
| {                             | timePeriod       | ( 0), -- optional parameters |
| —                             | privateData      | ( 1), -- optional parameters |
| —                             | privateDataInAck | ( 2)) -- optional parameters |

#### 1.1.10.222 *StartCDRTransmission*

|                                     |  |                               |
|-------------------------------------|--|-------------------------------|
| StartCDRTransmission ::= BIT STRING |  |                               |
| {                                   | transferModeTransferAtEndOfCall        | ( 0), -- optional parameters  |
| —                                   | transferModeTransferOnRequest          | ( 1), -- optional parameters  |
| —                                   | transferModeTransferOnThresholdReached | ( 2), -- optional parameters  |
| —                                   | privateData                            | ( 3), -- optional parameters  |
| —                                   | privateDataInAck                       | ( 4)) -- optional parameters} |

#### 1.1.10.223 *StopCDRTransmission*

|                                    |                               |  |
|------------------------------------|-------------------------------|--|
| StopCDRTransmission ::= BIT STRING |                               |  |
| {                                  | cdrTermReasonEndOfData        | ( 0), -- optional parameters           |
| —                                  | cdrTermReasonError            | ( 1), -- optional parameters           |
| —                                  | cdrTermReasonThresholdReached | ( 2), -- optional parameters           |
| —                                  | cdrTermReasonOther            | ( 3), -- optional parameter            |
| —                                  | privateData                   | ( 4), -- optional parameter            |
| —                                  | privateDataInAck              | ( 5), -- optional parameter            |
| —                                  | swFunctionSupportsSending     | ( 6), -- miscellaneous characteristics |
| —                                  | swFunctionSupportsReceiving   | ( 7)) -- miscellaneous characteristics |

#### 1.1.10.224 *VendorSpecificServList*

|                                     |                             |  |
|-------------------------------------|-----------------------------|--|
| VendorSpecificServList ::= SEQUENCE |                             |  |
| {                                   | escapeRegister              | [ 0] IMPLICIT EscapeRegister OPTIONAL,               |
| —                                   | escapeRegisterCancel        | [ 1] IMPLICIT EscapeRegisterCancel OPTIONAL,         |
| —                                   | escapeRegisterAbort         | [ 2] IMPLICIT EscapeRegisterAbort OPTIONAL,          |
| —                                   | escape                      | [ 3] IMPLICIT Escape OPTIONAL,                       |
| —                                   | privateDataVersionSelection | [ 4] IMPLICIT PrivateDataVersionSelection OPTIONAL } |

#### 1.1.10.225 *EscapeRegister*

|                               |                  |                             |
|-------------------------------|------------------|-----------------------------|
| EscapeRegister ::= BIT STRING |                  |                             |
| {                             | privateData      | (0), -- optional parameters |
| —                             | privateDataInAck | (1)) -- optional parameters |

#### 1.1.10.226 *EscapeRegisterCancel*

|                                     |                  |                             |
|-------------------------------------|------------------|-----------------------------|
| EscapeRegisterCancel ::= BIT STRING |                  |                             |
| {                                   | privateData      | (0), -- optional parameters |
| —                                   | privateDataInAck | (1)) -- optional parameters |

#### 1.1.10.227 *EscapeRegisterAbort*

|                                    |                  |                             |
|------------------------------------|------------------|-----------------------------|
| EscapeRegisterAbort ::= BIT STRING |                  |                             |
| {                                  | privateData      | (0), -- optional parameters |
| —                                  | privateDataInAck | (1)) -- optional parameters |

#### 1.1.10.228 *Escape*

|                       |                             |                               |
|-----------------------|-----------------------------|-------------------------------|
| Escape ::= BIT STRING |                             |                               |
| {                     | privateDataInAck            | ( 0), -- optional parameters  |
| —                     | swFunctionSupportsSending   | ( 1), -- misc characteristics |
| —                     | swFunctionSupportsReceiving | ( 2)) -- misc characteristics |

**1.1.10.229 PrivateDataVersionSelection**

```
PrivateDataVersionSelection ::= BIT STRING
{
  privateDataInAck ( 0) } optional parameters
```

**1.1.10.230 VendorSpecificEvtsList**

```
VendorSpecificEvtsList ::= SEQUENCE
{
  privateEvent [0] IMPLICIT PrivateEvent OPTIONAL}
```

**1.1.10.231 PrivateEvent**

```
PrivateEvent ::= BIT STRING
--other Types
```

**1.1.10.232 DeviceIDFormat**

```
DeviceIDFormat ::= BIT STRING
{
  dialableDigitsAsterix ( 0),
  dialableDigitsHash ( 1),
  dialableDigitsABCD ( 2),
  dialableDigitsExclamation ( 3),
  dialableDigitsP ( 4),
  dialableDigitsT ( 5),
  dialableDigitsComma ( 6),
  dialableDigitsW ( 7),
  dialableDigitsAt ( 8),
  dialableDigitsDollar ( 9),
  dialableDigitsSemicolon (10),
  sFReprExclamation (11),
  sFReprEt (12),
  sFReprSlash (13),
  sFReprPercent (14),
  sFReprNM (15),
  sFReprGeneric (16),
  sFReprImplicitTON (17),
  sFReprPubTONUnkown (18),
  sFReprPubTONInternal (19),
  sFReprPubTONNational (20),
  sFReprPubTONSubscriber (21),
  sFReprPubTONAbbreviated (22),
  sFReprPriTONUnknown (23),
  sFReprPriTONLevel3 (24),
  sFReprPriTONLevel2 (25),
  sFReprPriTONLevel1 (26),
  sFReprPriTONLocal (27),
  sFReprPriTONAbbreviated (28),
  sFReprOther (29),
  deviceNumber (30)}
```

**1.1.10.233 SwDomainFeatures**

```
SwDomainFeatures ::= BIT STRING
{
  isForwardingBefore ( 0),
  isForwardingAfter ( 1),
  swFunctionDefaultSettings ( 2),
  userSpecific ( 3),
  userSpecificDefaultFowardingType ( 4),
  userSpecificDefaultForwardDestination ( 5),
  negativeAcknowledgment ( 6),
  supportFailedWithAssConn ( 7),
  supportFailedWithoutAssConn ( 8),
  supportFailedWithAssConnNotReportet ( 9),
  recall (10),
  callBack (11),
  extCallsIncoming (12),
  extCallsOutgoing (13),
  prompting (14)}
```

**1.1.10.234 SwAppearanceAddressability**

```
SwAppearanceAddressability ::= BIT STRING
{
  nonAddressable (0),
  addressable (1)}

```

**1.1.10.235 SwAppearanceTypes**

```
SwAppearanceTypes ::= BIT STRING
{
  selectedStandard (0),
  basicStandard (1),
  basicBridged (2),
  exclusiveBridged (3),
  independentSharedBridged (4),
  interDependentSharedBridged (5)}

```

**1.1.10.236 IgnoreUnsupportedParameters**

```
IgnoreUnsupportedParameters ::= ENUMERATED
{
  ignoreParameters (0),
  rejectMessage (1)}

```

**1.1.10.237 PauseTime**

```
PauseTime ::= INTEGER (1..2000)
```

**1.1.10.238 TimeStampMode**

```
TimeStampMode ::= BIT STRING
{
  allEvents (0),
  allAcks (1),
  allServReqs (2)}

```

**1.1.10.239 MiscMonitorCaps**

```
MiscMonitorCaps ::= BIT STRING
{
  groupInclusivModel (0),
  groupExclusiveModel (1),
  monitorPhysicalElement (2),
  acdDeviceInclusiv (3),
  acdDeviceExclusiv (4)}

```

**1.1.10.240 MaxLengthParameters**

```
MaxLengthParameters ::= SEQUENCE
{
  accountInfo 11,
  authCode 16,
  agentID 3,
  agentPassword 0,
  callIDInConnectionID 4,
  correlatorData 0,
  privateData 255,
  deviceIdentifiers 64,
  userData 0,
  buttonLabel 0,
  lampLabel 0,
  charactersToSend 24}

```

**1.1.10.241 FilterThreshold**

```
FilterThreshold ::= SEQUENCE
{
  getLogicalDeviceInformation INTEGER,
  getPhysicalDeviceInformation INTEGER,
  getSwitchingFunctionCaps INTEGER,
  getSwitchingFunctionDevices INTEGER,
  switchingFunctionDevices INTEGER,
  changeSystemStatusFilter INTEGER,
  systemStatusRegister INTEGER,
  systemStatusRegisterAbort INTEGER,
  systemStatusRegisterCancel INTEGER,
  requestSystemStatus INTEGER,
  systemStatus INTEGER,
  switchingFunctionCapsChanged INTEGER,
}
```

|                               |          |
|-------------------------------|----------|
| switchingFunctionDevsChanged  | INTEGER, |
| changeMonitorFilter           | INTEGER, |
| monitorStart                  | INTEGER, |
| monitorStop                   | INTEGER, |
| snapshotCall                  | INTEGER, |
| snapshotDevice                | INTEGER, |
| snapshotCallData              | INTEGER, |
| snapshotDeviceData            | INTEGER, |
| acceptCall                    | INTEGER, |
| alternateCall                 | INTEGER, |
| answerCall                    | INTEGER, |
| callBackCallRelated           | INTEGER, |
| callBackMessageCallRelated    | INTEGER, |
| campOnCall                    | INTEGER, |
| clearCall                     | INTEGER, |
| clearConnection               | INTEGER, |
| conferenceCall                | INTEGER, |
| consultationCall              | INTEGER, |
| deflectCall                   | INTEGER, |
| dialDigits                    | INTEGER, |
| directedPickupCall            | INTEGER, |
| groupPickupCall               | INTEGER, |
| holdCall                      | INTEGER, |
| intrudeCall                   | INTEGER, |
| joinCall                      | INTEGER, |
| makeCall                      | INTEGER, |
| makePredictiveCall            | INTEGER, |
| parkCall                      | INTEGER, |
| reconnectCall                 | INTEGER, |
| retrieveCall                  | INTEGER, |
| singleStepConferenceCall      | INTEGER, |
| singleStepTransferCall        | INTEGER, |
| transferCall                  | INTEGER, |
| associateData                 | INTEGER, |
| cancelTelephonyTone           | INTEGER, |
| generateDigits                | INTEGER, |
| generateTelephonyTone         | INTEGER, |
| sendUserInformation           | INTEGER, |
| startDTMFDigitsCollection     | INTEGER, |
| startTelephonyTonesCollection | INTEGER, |
| stopDTMFDigitsCollection      | INTEGER, |
| stopTelephonyTonesCollection  | INTEGER, |
| attachMediaService            | INTEGER, |
| detachMediaService            | INTEGER, |
| routeRegister                 | INTEGER, |
| routeRegisterAbort            | INTEGER, |
| routeRegisterCancel           | INTEGER, |
| reRoute                       | INTEGER, |
| routeEnd                      | INTEGER, |
| routeReject                   | INTEGER, |
| routeRequest                  | INTEGER, |
| routeSelect                   | INTEGER, |
| routeUsed                     | INTEGER, |
| buttonPress                   | INTEGER, |
| getAuditoryApparatusInfo      | INTEGER, |
| getButtonInformation          | INTEGER, |
| getDisplay                    | INTEGER, |
| getHookswitchStatus           | INTEGER, |
| getLampInformation            | INTEGER, |
| getLampMode                   | INTEGER, |
| getMicrophoneGain             | INTEGER, |
| getMicrophoneMute             | INTEGER, |
| getMessageWaitingIndicator    | INTEGER, |
| getRingerStatus               | INTEGER, |
| getSpeakerMute                | INTEGER, |
| getSpeakerVolume              | INTEGER, |
| setButtonInformation          | INTEGER, |
| setDisplay                    | INTEGER, |
| setHookswitchStatus           | INTEGER, |
| setLampMode                   | INTEGER, |
| setMsgWaitingIndicator        | INTEGER, |

|                               |          |
|-------------------------------|----------|
| setMicrophoneGain             | INTEGER, |
| setMicrophoneMute             | INTEGER, |
| setRingerStatus               | INTEGER, |
| setSpeakerMute                | INTEGER, |
| setSpeakerVolume              | INTEGER, |
| callBackMessageNonCallRelated | INTEGER, |
| callBackNonCallRelated        | INTEGER, |
| cancelCallBack                | INTEGER, |
| cancelCallBackMessage         | INTEGER, |
| getAgentState                 | INTEGER, |
| getAutoAnswer                 | INTEGER, |
| getAutoWorkMode               | INTEGER, |
| getCallerIDStatus             | INTEGER, |
| getDoNotDisturb               | INTEGER, |
| getForwarding                 | INTEGER, |
| getLastNumberDialed           | INTEGER, |
| getRouteingMode               | INTEGER, |
| setAgentState                 | INTEGER, |
| setAutoAnswer                 | INTEGER, |
| setAutoWorkMode               | INTEGER, |
| setCallerIDStatus             | INTEGER, |
| setDoNotDisturb               | INTEGER, |
| setForwarding                 | INTEGER, |
| setRouteingMode               | INTEGER, |
| backInService                 | INTEGER, |
| deviceCaosChanged             | INTEGER, |
| outOfService                  | INTEGER, |
| ioRegister                    | INTEGER, |
| ioRegisterAbort               | INTEGER, |
| ioRegisterCancel              | INTEGER, |
| dataPathResumed               | INTEGER, |
| dataPathSuspended             | INTEGER, |
| fastData                      | INTEGER, |
| resumeDataPath                | INTEGER, |
| sendBroadcastData             | INTEGER, |
| sendData                      | INTEGER, |
| sendMulticastData             | INTEGER, |
| startDataPath                 | INTEGER, |
| stopDataPath                  | INTEGER, |
| suspendDataPath               | INTEGER, |
| concatenateMsg                | INTEGER, |
| deleteMsg                     | INTEGER, |
| playMsg                       | INTEGER, |
| queryVoiceAttribute           | INTEGER, |
| recordMsg                     | INTEGER, |
| reposition                    | INTEGER, |
| resume                        | INTEGER, |
| review                        | INTEGER, |
| setVoiceAttribute             | INTEGER, |
| stop                          | INTEGER, |
| suspend                       | INTEGER, |
| synthesizeMsg                 | INTEGER, |
| cDRNotification               | INTEGER, |
| cDRReport                     | INTEGER, |
| sendStoredCDRs                | INTEGER, |
| startCDRTransmission          | INTEGER, |
| stopCDRTransmission           | INTEGER, |
| escapeRegister                | INTEGER, |
| escapeRegisterAbort           | INTEGER, |
| escapeRegisterCancel          | INTEGER, |
| escape                        | INTEGER, |
| privateDataVersion            | INTEGER} |

**1.1.10.242 MediaServiceCapsList**

|   |                        |                        |           |
|---|------------------------|------------------------|-----------|
| MediaServiceCapsList ::= SEQUENCE OF SEQUENCE |                        |                        |           |
| {   | mediaServiceType       | MediaServiceType,      |           |
|   | mediaServiceVersion    | INTEGER                | OPTIONAL, |
|   | mediaServiceInstance   | MediaServiceInstanceID | OPTIONAL, |
|   | connectionMode         | ConnectionModeBMap     | OPTIONAL, |
|   | mediaStreamIDSupported | BOOLEAN}               |           |

**1.1.10.243 DeviceCategory**

|                               |                             |       |   |
|-------------------------------|-----------------------------|-------|---|
| DeviceCategory ::= ENUMERATED |                             |       |   |
| {                             | acd                         | ( 0), |   |
|                               | group                       | ( 1), |   |
|                               | networkInterface            | ( 2), |   |
|                               | park                        | ( 3), |   |
|                               | routingDevice               | ( 4), |   |
|                               | station                     | ( 5), |   |
|                               | voiceUnit                   | ( 6), |   |
|                               | genericInteractiveVoice     | ( 8), | -- import from ECMA-269 9 <sup>th</sup> edition |
|                               | listenerInteractiveVoice    | ( 9), |   |
|                               | dtmfInteractiveVoice        | (10), |   |
|                               | promptInteractiveVoice      | (11), |   |
|                               | promptQueueInteractiveVoice | (12), |   |
|                               | messageInteractiveVoice     | (13), |   |
|                               | conference                  | (14), | -- import from ECMA-269 9 <sup>th</sup> edition |
|                               | other                       | ( 7)  |   |

|                                      |       |       |  |
|--------------------------------------|-------|-------|--|
| GroupDeviceAttributes                |       |       |  |
| GroupDeviceAttributes ::= BIT STRING |       |       |  |
| {                                    | acd   | ( 0), |  |
|                                      | hunt  | ( 1), |  |
|                                      | pick  | ( 2), |  |
|                                      | other | ( 3)} |  |

**1.1.10.244 NamedDeviceTypes**

|                                 |                  |       |  |
|---------------------------------|------------------|-------|--|
| NamedDeviceTypes ::= ENUMERATED |                  |       |  |
| {                               | acd              | ( 0), |  |
|                                 | acdGroup         | ( 1), |  |
|                                 | button           | ( 2), |  |
|                                 | buttonGroup      | ( 3), |  |
|                                 | conferenceBridge | ( 4), |  |
|                                 | line             | ( 5), |  |
|                                 | lineGroup        | ( 6), |  |
|                                 | operator         | ( 7), |  |
|                                 | operatorGroup    | ( 8), |  |
|                                 | parkingDevice    | ( 9), |  |
|                                 | station          | (10), |  |
|                                 | stationGroup     | (11), |  |
|                                 | trunk            | (12), |  |
|                                 | trunkGroup       | (13), |  |
|                                 | other            | (14), |  |
|                                 | otherGroup       | (15)} |  |

**1.1.10.245 ACDModels**

|                          |                             |      |  |
|--------------------------|-----------------------------|------|--|
| ACDModels ::= BIT STRING |                             |      |  |
| {                        | visibleACDRelatedDevices    | (0), |  |
|                          | nonVisibleACDRelatedDevices | (1)} |  |

**1.1.10.246 AgentLogOnModels**

|                                 |                             |       |  |
|---------------------------------|-----------------------------|-------|--|
| AgentLogOnModels ::= BIT STRING |                             |       |  |
| {                               | logOnToACDDDevice           | ( 0), |  |
|                                 | logOnToACDGroupExp1OneStep  | ( 1), |  |
|                                 | logOnToACDGroupExp1TwoSteps | ( 2), |  |
|                                 | logOnToACDGroupImp1OneStep  | ( 3)} |  |

**1.1.10.247 AppearanceType**

|                               |       |
|-------------------------------|-------|
| AppearanceType ::= ENUMERATED |       |
| {                             |       |
| —selectedStandard             | ( 0), |
| —basicStandard                | ( 1), |
| —basicBridged                 | ( 2), |
| —exclusiveBridged             | ( 3), |
| —independentSharedBridged     | ( 4), |
| —interdependentSharedBridged  | ( 5)} |

**1.1.10.248 TransAndConfSetup**

|                                  |       |
|----------------------------------|-------|
| TransAndConfSetup ::= BIT STRING |       |
| {                                |       |
| —consultationCall                | ( 0), |
| —holdCallMakeCall                | ( 1), |
| —alternateCall                   | ( 2), |
| —twoCallsInHold                  | ( 3), |
| —twoCallsInConnected             | ( 4)} |

**1.1.11 Call Detail Record**

**1.1.11.1 CDRCrossRefID**

The CDRCrossRefID is used to correlate subsequent CDR services to the Start Call Detail Records Transmission service.

|   |
|---|
| CDRCrossRefID ::= OCTET STRING (SIZE(0..4)) |
|---|

**1.1.11.2 CDRReason**

|                          |      |
|--------------------------|------|
| CDRReason ::= ENUMERATED |      |
| {                        |      |
| —timeout                 | (0), |
| —thresholdReached        | (1), |
| —other                   | (2)} |

**1.1.11.3 CDRInfo**

|  |
|--|
| CDRInfo ::= SEQUENCE OF CDRInformationItem |
|--|

**1.1.11.4 CDRInformationItem**

|                                 |                                       |           |               |
|---------------------------------|---------------------------------------|-----------|---------------|
| CDRInformationItem ::= SEQUENCE |                                       |           |               |
| {                               |                                       |           |               |
| —recordNumber                   | INTEGER (1..128)                      | OPTIONAL, |               |
| —recordCreationTime             | TimeInfo,                             |           | -- start time |
| —callingDevice                  | CallingDeviceID                       | OPTIONAL, |               |
| —calledDevice                   | CalledDeviceID                        | OPTIONAL, |               |
| —associatedCallingDevice        | AssociatedCallingDeviceID             | OPTIONAL, |               |
| —associatedCalledDevice         | AssociatedCalledDeviceID              | OPTIONAL, |               |
| —networkCallingDevice           | NetworkCallingDeviceID                | OPTIONAL, |               |
| —networkCalledDevice            | NetworkCalledDeviceID                 | OPTIONAL, |               |
| —callCharacteristics            | [0] IMPLICIT CallCharacteristics      | OPTIONAL, |               |
| —mediaCallCharacteristics       | [1] IMPLICIT MediaCallCharacteristics | OPTIONAL, |               |
| —chargedDevice                  | [2] ChargedDevice                     | OPTIONAL, |               |
| —recordedCall                   | ConnectionID                          | OPTIONAL, |               |
| —nodeNumber                     | [3] IMPLICIT NodeNumber               | OPTIONAL, |               |
| —tariffTable                    | [4] IMPLICIT INTEGER                  | OPTIONAL, |               |
| —connectionStart                | [5] IMPLICIT TimeInfo                 | OPTIONAL, |               |
| —connectionEnd                  | [6] IMPLICIT TimeInfo                 | OPTIONAL, |               |
| —connectionDuration             | [7] IMPLICIT INTEGER                  | OPTIONAL, |               |
| —accessCode                     | [8] IMPLICIT OCTET STRING             | OPTIONAL, | -- ISO        |
| —carrier                        | [9] IMPLICIT INTEGER                  | OPTIONAL, |               |
| —selectedRoute                  | [10] IMPLICIT INTEGER                 | OPTIONAL, |               |
| —billingID                      | [11] IMPLICIT BillingID               | OPTIONAL, |               |
| —chargingInfo                   | [12] IMPLICIT ChargingInfo            | OPTIONAL, |               |
| —supplServiceInfo               | [13] IMPLICIT SupplServiceInfo        | OPTIONAL, |               |
| —reasonForTerm                  | [14] IMPLICIT ReasonForTerm           | OPTIONAL, |               |
| —authCode                       | [15] IMPLICIT AuthCode                | OPTIONAL, |               |
| —accountInfo                    | [16] IMPLICIT AccountInfo             | OPTIONAL, |               |
| —deviceCategory                 | [17] IMPLICIT DeviceCategory          | OPTIONAL, |               |
| —namedDeviceTypes               | [18] IMPLICIT NamedDeviceTypes        | OPTIONAL, |               |
| —operatorDevice                 | [19] DeviceID                         | OPTIONAL} |               |

**1.1.11.5 ChargedDevice**

```
ChargedDevice ::= CHOICE
{
  operator _____ [0] IMPLICIT DeviceID,
  nonOperator _____ [1] IMPLICIT DeviceID}

```

**1.1.11.6 NodeNumber**

```
NodeNumber ::= SEQUENCE
{
  area0 _____ [0] IMPLICIT INTEGER OPTIONAL,
  area1 _____ [1] IMPLICIT INTEGER OPTIONAL,
  area2 _____ [2] IMPLICIT INTEGER OPTIONAL}

```

**1.1.11.7 BillingID**

```
BillingID ::= ENUMERATED
{
  normalCharging _____ (0),
  reverseCharging _____ (1),
  creditCardCharging _____ (2),
  callForwarding _____ (3),
  callDeflection _____ (4),
  callTransfer _____ (5),
  other _____ (6)}

```

**1.1.11.8 SupplServiceInfo**

```
SupplServiceInfo ::= BIT STRING
{
  normalCall _____ (0),
  consultationCall _____ (1),
  transferCall _____ (2),
  callCompletion _____ (3),
  callForwarding _____ (4),
  callDiversion _____ (5),
  conferencing _____ (6),
  intrusion _____ (7),
  userUserInfo _____ (8),
  other _____ (9)} -- DISA

```

**1.1.11.9 ReasonForTerm**

```
ReasonForTerm ::= ENUMERATED
{
  normalClearing _____ (0),
  unsuccessfulCallAttempt _____ (1),
  abnormalTermination _____ (2),
  callTransferred _____ (3),
  other _____ (4)}

```

**1.1.11.10 CDRTimePeriod**

```
CDRTimePeriod ::= SEQUENCE
{
  beginningOfCDR _____ TimeInfo,
  endOfCDR _____ TimeInfo}

```

**1.1.11.11 CDRTransferMode**

```
CDRTransferMode ::= ENUMERATED
{
  transferAtEndOfCall _____ (0),
  transferOnRequest _____ (1),
  transferOnThresholdReached _____ (2)}

```

**1.1.11.12 CDRTermReason**

```
CDRTermReason ::= ENUMERATED
{
  endOfDataDetected _____ (0),
  errorDetected _____ (1),
  thresholdReached _____ (2),
  other _____ (3)}

```

**1.1.11.13 Charge information**

The ChargingInfo parameter type represents a cumulative value of charging or currency units charged to a device for a call in which the device was involved. This information can represent an intermediate (during the call) or final total (when the device leaves the call).

```
ChargingInfo ::= SEQUENCE
{
  numberUnits          NumberUnits,
  typeOfChargingInfo  ENUMERATED
  {
    subTotal          (0),
    total             (1)
  }
}
```

```
NumberUnits ::= CHOICE
{
  numberOfChargeUnits [0] IMPLICIT NumberOfChargingUnits,
  numberOfCurrencyUnits [1] IMPLICIT NumberOfCurrencyUnits
}
```

```
NumberOfChargingUnits ::= SEQUENCE OF SEQUENCE
{
  chargingUnits      INTEGER,
  typeOfUnits        OCTET STRING OPTIONAL
}
```

```
NumberOfCurrencyUnits ::= SEQUENCE
{
  currencyType          OCTET STRING,          -- size 0 indicates default currency
  currencyAmount        INTEGER,
  currencyMultiplier    ENUMERATED
  {
    oneThousandth      (0),
    oneHundredth       (1),
    oneTenth            (2),
    one                 (3),
    ten                 (4),
    hundred             (5),
    thousand            (6)
  }
}
```

**1.1.11.14 Data call types**

```
NumberOfChannels ::= INTEGER
```

```
MaxChannelBind ::= INTEGER
```

```
ConnectionRateList ::= SEQUENCE OF INTEGER
```

```
DelayToleranceList ::= SEQUENCE OF INTEGER
```

**1.1.11.15 Escape types**

```
EscapeRegisterID ::= [0] OCTET STRING (SIZE(0..4))
```

**1.1.11.16 Media services**

```
MediaServiceType ::= ENUMERATED
{
  cstaVoiceUnit          (0),
  dataModem              (1),
  digitalDataIsochronous1394 (2),
  digitalDataIsochronousGeoport (3),
  digitalDataIsochronous1eeeAtm (4),
  digitalDataIsochronous1eeelsdn (5),
  digitalDataApi         (6),
  ectfS100MediaServicesDefault (7),
  ectfS100MediaServicesAppServices (8),
  cstaIVRScript1        (9),
  cstaIVRScript2        (10),
  cstaIVRScript3        (11),
}
```



```
MediaCallCharacteristics ::= SEQUENCE
{
  mediaClass MediaClass,
  connectionRate [0] IMPLICIT INTEGER OPTIONAL,
  -- value 0 indicates that
  -- the connection rate is
  -- unknown
  bitRate [1] IMPLICIT ENUMERATED
  {
    constant (0),
    variable (1)} DEFAULT 0,
  delayTolerance [2] IMPLICIT INTEGER OPTIONAL,
  switchingSubDomainCCIEType [3] IMPLICIT ENUMERATED {
    isdn (0),
    atm (1),
    isoEthernet (2),
    rsvp (3),
    other (4)
  } OPTIONAL,
  switchingSubDomainInformationElements OCTET STRING OPTIONAL
  -- is mandatory, if the switchingSubDomainCCIEType is present,
  -- should be ignored otherwise
}
```

```
MediaClass ::= BIT STRING
{
  voice (0),
  data (1),
  image (2),
  audio (4),
  other (3),
  notKnown (5)}
}
```

**1.1.11.17 Physical device features**

```
AuditoryApparatusList ::= SEQUENCE OF
SEQUENCE {
  auditoryApparatus AuditoryApparatusID,
  auditoryApparatusType ENUMERATED {
    speakerphone (0),
    handset (1),
    headset (2),
    speakerOnlyPhone (3),
    other (4)
  };
  speaker BIT STRING {
    present (0),
    volumeSettable (1),
    volumeReadable (2),
    muteSettable (3),
    muteReadable (4)
  };
  microphone BIT STRING {
    present (0),
    gainSettable (1),
    gainReadable (2),
    muteSettable (3),
    muteReadable (4)
  };
  hookswitch BIT STRING {
    hookswitchSettable (0),
    hookswitchOnHook (1)
  };
  hookswitchID HookswitchID
}
```

```
AuditoryApparatusID ::= OCTET STRING (SIZE(0..4))
```

```
ButtonID ::= OCTET STRING (SIZE(0..4))
```

CharacterSet ::= ENUMERATED

```
{
  — ascii ————— (0),
  — unicode ————— (1),
  — proprietary ————— (2)}
```

DisplayID ::= OCTET STRING (SIZE(0..4))

HookswitchID ::= OCTET STRING (SIZE(0..4))

LampBrightness ::= ENUMERATED

```
{
  — unspecified ————— (0),
  — dim ————— (1),
  — bright ————— (2)}
```

LampColor ::= INTEGER

```
{
  — noColor ————— (0),
  — red ————— (1),
  — yellow ————— (2),
  — green ————— (3),
  — blue ————— (4),
  — unknown ————— (5)} (0..100)
```

LampID ::= OCTET STRING (SIZE(0..4))

LampMode ::= INTEGER

```
{
  brokenFlutter ————— (0),
  flutter ————— (1),
  off ————— (2),
  steady ————— (3),
  wink ————— (4),
  unknown ————— (5) -- ISO}
```

MicrophoneGain ::= CHOICE

```
{
  — micGainAbs — MicGainAbs,
  — micGainInc — MicGainInc}
```

MicGainInc ::= ENUMERATED

```
{
  — increment ————— (0),
  — decrement ————— (1)}
```

MicGainAbs ::= INTEGER (0..100)

RingerID ::= OCTET STRING (SIZE(0..4))

RingMode ::= ENUMERATED

```
{
  — ringing ————— (0),
  — notRinging ————— (1)}
```

Volume ::= CHOICE

```
{
  volAbs VolAbs,
  vollnc Vollnc}
```

Vollnc ::= ENUMERATED

```
{
  — increment ————— (0),
  — decrement ————— (1)}
```

```
VolAbs ::= INTEGER (0..100)
```

### 1.1.11.18—Data Collection

The DCollCrossRefID parameter type identifies a specific data collection that was initiated via the Start Data Collection service. The DCollCrossRefID is valid only for the duration of the data collection.

```
DcollCrossRefID ::= OCTET STRING (SIZE(0..4))
```

### 1.1.11.19 Event Cause

```
EventCause ::= ENUMERATED
-- a general list of cause codes
{
  aCDBusy (57),
  aCDForward (58),
  aCDSaturated (59),
  activeParticipation (1),
  alertTimeExpired (60),
  alternate (2),
  autoWork (64),
  blocked (35),
  busy (3),
  callBack (4),
  callCancelled (5),
  callForward (9),
  callForwardImmediate (6),
  callForwardBusy (7),
  callForwardNoAnswer (8),
  callInterception (116), -- import from ECMA-269 9th edition
  callInterceptionBusy (117), -- import from ECMA-269 9th edition
  callInterceptionForwarded (118), -- import from ECMA-269 9th edition
  callInterceptionNoAnswer (119), -- import from ECMA-269 9th edition
  callInterceptionResourcesNotAvailable (120), -- import from ECMA-269 9th edition
  callNotAnswered (10),
  callPickup (11),
  campOn (12),
  campOnTrunks (62),
  characterCountReached (36),
  conference (63),
  consultation (37),
  destDetected (64),
  destNotObtainable (13),
  destOutOfOrder (65),
  distributed (38),
  distributionDelay (66),
  doNotDisturb (14),
  dtmfDigitDetected (39),
  durationExceeded (40),
  endOfMessageDetected (41),
  enteringDistribution (42),
  forcedPause (43),
  forcedTransition (67),
  incompatibleDestination (15),
  intrude (68),
  invalidAccountCode (16),
  invalidNumberFormat (69),
  joinCall (70),
  keyOperation (17),
  keyOperationInUse (71),
  lockout (18),
  maintenance (19),
  makeCall (44),
  makePredictiveCall (72),
  messageDurationExceeded (73),
  messageSizeExceeded (45),
  multipleAlerting (74),
  multipleQueuing (75),
  networkCongestion (20),
  networkDialling (76),
  networkNotObtainable (21),
  networkOutOfOrder (77),
```

|                              |        |   |
|------------------------------|--------|---|
| networkSignal                | (46),  |   |
| newCall                      | (22),  |   |
| nextMessage                  | (47),  |   |
| noAvailableAgents            | (23),  |   |
| normal                       | (78),  |   |
| normalClearing               | (48),  |   |
| noSpeechDetected             | (49),  |   |
| notAvailableBearerService    | (79),  |   |
| notSupportedBearerService    | (80),  |   |
| numberChanged                | (50),  |   |
| numberUnallocated            | (81),  |   |
| overflow                     | (26),  |   |
| override                     | (24),  |   |
| park                         | (25),  |   |
| pathReplacement              | (109), | -- import from ECMA-269 9 <sup>th</sup> edition |
| queueCleared                 | (82),  |   |
| recall                       | (27),  |   |
| recallBusy                   | (111), | -- import from ECMA-269 9 <sup>th</sup> edition |
| recallForwarded              | (112), | -- import from ECMA-269 9 <sup>th</sup> edition |
| recallNoAnswer               | (113), | -- import from ECMA-269 9 <sup>th</sup> edition |
| recallResourcesNotAvailable  | (114), | -- import from ECMA-269 9 <sup>th</sup> edition |
| redirected                   | (28),  |   |
| remainsInQueue               | (83),  |   |
| reorderTone                  | (29),  |   |
| reserved                     | (84),  |   |
| resourcesNotAvailable        | (30),  |   |
| selectedTrunkBusy            | (85),  |   |
| silentParticipation          | (31),  |   |
| singleStepConference         | (51),  |   |
| singleStepTransfer           | (52),  |   |
| speechDetected               | (53),  |   |
| suspend                      | (86),  |   |
| switchingFunctionTerminated  | (54),  |   |
| terminationCharacterReceived | (55),  |   |
| timeout                      | (56),  |   |
| transfer                     | (32),  |   |
| trunksBusy                   | (33),  |   |
| unauthorisedBearerService    | (87),  |   |
| -- voiceUnitInitiator        | (34) } |   |

**1.1.11.20 Error Value**

|  |                           |
|--|---------------------------|
| universalFailure<br>PARAMETER<br>::= 1 | ERROR<br>UniversalFailure |
| ErrorValue ::= UniversalFailure        |                           |

|                                |   |
|--------------------------------|---|
| UniversalFailure ::= CHOICE    |   |
| {                              |   |
| operation                      | [0] OperationErrors,                      |
| security                       | [1] SecurityErrors,                       |
| stateIncompatibility           | [2] StateIncompatibilityErrors,           |
| systemResourceAvailability     | [3] SystemResourceAvailabilityErrors,     |
| subscribedResourceAvailability | [4] SubscribedResourceAvailabilityErrors, |
| performanceManagement          | [5] PerformanceManagementErrors,          |
| privateData                    | [6] PrivateDataInfoErrors,                |
| unspecified                    | [7] UnspecifiedErrors}                    |

|   |       |
|---|-------|
| OperationErrors ::= ENUMERATED            |       |
| {   |       |
| generic                                   | ( 1), |
| atLeastOneConditionalParameterNotProvided | (29), |
| featureAlreadySet                         | (30), |
| invalidMsgID                              | (25), |
| invalidParameterValue                     | (31), |
| invalidAccountCode                        | (21), |
| invalidAgentGroup                         | (32), |
| invalidAgentIdentifier                    | (33), |
| invalidAgentPassword                      | (34), |
| invalidAgentState                         | (35), |

|                                    |        |
|------------------------------------|--------|
| invalidAlertTime                   | (36),  |
| invalidAllocationState             | (16),  |
| invalidAuthCode                    | (22),  |
| invalidAutoAnswer                  | (37),  |
| invalidBitRate                     | (38),  |
| invalidButtonIdentifier            | (39),  |
| invalidCallType                    | (42),  |
| invalidConnectionRate              | (43),  |
| invalidConsultPurpose              | (44),  |
| invalidCorrelatorData              | (20),  |
| invalidCrossRefID                  | (17),  |
| invalidDelayTolerance              | (45),  |
| invalidDestination                 | (14),  |
| invalidDestinationDetect           | (46),  |
| invalidDoNotDisturb                | (47),  |
| invalidEscapeCrossRefID            | (48),  |
| invalidFeature                     | (15),  |
| invalidFile                        | (28),  |
| invalidFlowDirection               | (49),  |
| invalidForwardingDestination       | (7),   |
| invalidForwardingFlag              | (51),  |
| invalidForwardingType              | (52),  |
| invalidHookswitchType              | (53),  |
| invalidHookswitchComponent         | (54),  |
| invalidLampMode                    | (55),  |
| invalidLampID                      | (56),  |
| invalidMessageWaitingSetting       | (57),  |
| invalidMicrophoneGain              | (58),  |
| invalidMicrophoneMute              | (59),  |
| invalidMonitorCrossRefID           | (60),  |
| invalidMonitorFilter               | (61),  |
| invalidMonitorObject               | (62),  |
| invalidMonitorType                 | (63),  |
| invalidNumberOfChannels            | (64),  |
| invalidParticipationType           | (65),  |
| invalidRemainRetry                 | (66),  |
| invalidRingCount                   | (67),  |
| invalidRingPattern                 | (68),  |
| invalidRingVolume                  | (69),  |
| invalidRouteingAlgorithm           | (70),  |
| invalidRouteingCrossRefID          | (71),  |
| invalidRouteRegistrationCrossRefID | (72),  |
| invalidSpeakerVolume               | (73),  |
| invalidSpeakerMute                 | (74),  |
| invalidSwitchingSubdomainCharsType | (75),  |
| invalidObjectType                  | (18),  |
| invalidActiveCallObject            | (76),  |
| invalidCalledDeviceObjectType      | (77),  |
| invalidCallingDeviceObjectType     | (78),  |
| invalidCallToBePickedUpObjectType  | (79),  |
| invalidCallToDivertObjectType      | (80),  |
| invalidCallToParkObjectType        | (81),  |
| invalidDestinationDeviceObject     | (195), |
| invalidHeldCallObject              | (82),  |
| invalidMonitorObject               | (83),  |
| invalidParkToObjectType            | (84),  |
| messageIDRequired                  | (26),  |
| notDifferentDevices                | (85),  |
| notSameDevice                      | (86),  |
| objectNotKnown                     | (4),   |
| invalidCallID                      | (11),  |
| invalidActiveCallID                | (87),  |
| invalidHeldCallID                  | (88),  |
| invalidConnectionID                | (13),  |
| invalidActiveConnectionID          | (89),  |
| invalidHeldConnectionID            | (90),  |
| invalidDeviceID                    | (12),  |
| invalidActiveDeviceID              | (91),  |
| invalidCalledDeviceID              | (6),   |
| invalidCallingDeviceID             | (5),   |
| invalidCallToParkDeviceID          | (92),  |

|  |        |
|--|--------|
| invalidDestinationDeviceID               | (93),  |
| invalidDivertingDeviceID                 | (94),  |
| invalidHeldDeviceID                      | (95),  |
| invalidParkToDeviceID                    | (96),  |
| invalidPickUpDeviceID                    | (97),  |
| parameterNotSupported                    | (98),  |
| accountCodeNotSupported                  | (99),  |
| agentGroupNotSupported                   | (100), |
| agentPasswordNotSupported                | (101), |
| agentStateNotSupported                   | (102), |
| alertTimeNotSupported                    | (103), |
| allocationNotSupported                   | (104), |
| authorisationCodeNotSupported            | (105), |
| autoAnswerNotSupported                   | (106), |
| bitRateNotSupported                      | (107), |
| buttonNotSupported                       | (108), |
| callTypeNotSupported                     | (109), |
| charactersToSendNotSupported             | (110), |
| connectionRateNotSupported               | (111), |
| connectionReservationNotSupported        | (112), |
| consultPurposeNotSupported               | (113), |
| correlatorDataNotSupported               | (114), |
| delayToleranceNotSupported               | (115), |
| destinationDetectNotSupported            | (116), |
| digitModeNotSupported                    | (117), |
| errorValueNotSupported                   | (118), |
| flowDirectionNotSupported                | (119), |
| forwardingDestinationNotSupported        | (120), |
| lampNotSupported                         | (121), |
| monitorTypeNotSupported                  | (122), |
| numberOfChannelsNotSupported             | (123), |
| parameterTypeNotSupported                | (124), |
| priorityNotSupported                     | (125), |
| privateDataNotSupported                  | (126), |
| pulseDurationNotSupported                | (127), |
| pulseRateNotSupported                    | (128), |
| remainRetryNotSupported                  | (129), |
| ringCountNotSupported                    | (130), |
| routeUsedNotSupported                    | (131), |
| securityNotSupported                     | (132), |
| swSubdomainCCIETypeNotSupported          | (133), |
| toneDurationNotSupported                 | (134), |
| sysStatRegIDNotSupported                 | (135), |
| userDataNotSupported                     | (136), |
| privilegeViolationSpecifiedDevice        | ( 8),  |
| privilegeViolationActiveDevice           | (137), |
| privilegeViolationCalledDevice           | ( 9),  |
| privilegeViolationCallingDevice          | (10),  |
| privilegeViolationCallToParkDevice       | (138), |
| privilegeViolationDestinationDevice      | (139), |
| privilegeViolationOnDivertingDevice      | (140), |
| privilegeViolationHeldDevice             | (141), |
| privilegeViolationOnParkToDevice         | (142), |
| privilegeViolationPickUpDevice           | (143), |
| routingTimerExpired                      | (144), |
| requestIncompatibleWithObject            | ( 2),  |
| requestIncompatibleWithConnection        | (145), |
| requestIncompatibleWithActiveConnection  | (146), |
| requestIncompatibleWithHeldConnection    | (147), |
| requestIncompatibleWithDevice            | (148), |
| requestIncompatibleWithCalledDevice      | (24),  |
| requestIncompatibleWithCallingDevice     | (23),  |
| requestIncompatibleWithSubjectDevice     | (149), |
| requestIncompatibleWithActiveDevice      | (150), |
| requestIncompatibleWithCallToParkDevice  | (151), |
| requestIncompatibleWithDestinationDevice | (152), |
| requestIncompatibleWithDivertingDevice   | (153), |
| requestIncompatibleWithHeldDevice        | (154), |
| requestIncompatibleWithMedia             | (27),  |
| requestIncompatibleWithParkToDevice      | (155), |
| requestIncompatibleWithPickupDevice      | (156), |

|                                 |        |
|---------------------------------|--------|
| serviceNotSupported             | (50),  |
| securityViolation               | (49),  |
| valueOutOfRange                 | (3),   |
| agentStateOutOfRange            | (157), |
| alertTimeOutOfRange             | (158), |
| allocationOutOfRange            | (159), |
| autoAnswerOutOfRange            | (160), |
| bitRateOutOfRange               | (161), |
| callTypeOutOfRange              | (162), |
| connectionRateOutOfRange        | (163), |
| connectionReservationOutOfRange | (164), |
| consultPurposeOutOfRange        | (165), |
| correlatorDataOutOfRange        | (166), |
| delayToleranceOutOfRange        | (167), |
| destinationDetectOutOfRange     | (168), |
| digitModeOutOfRange             | (169), |
| doNotDisturbOutOfRange          | (170), |
| flowDirectionOutOfRange         | (171), |
| forwardingFlagOutOfRange        | (172), |
| forwardingTypeOutOfRange        | (173), |
| hookswitchComponentOutOfRange   | (174), |
| hookswitchTypeOutOfRange        | (175), |
| lampModeOutOfRange              | (176), |
| messageWaitingSettingOutOfRange | (177), |
| micGainOutOfRange               | (178), |
| micMuteOutOfRange               | (179), |
| monitorTypeOutOfRange           | (180), |
| numberOfChannelsOutOfRange      | (181), |
| participationTypeOutOfRange     | (182), |
| pulseDurationOutOfRange         | (183), |
| pulseRateOutOfRange             | (184), |
| ringCountOutOfRange             | (185), |
| ringPatternOutOfRange           | (186), |
| ringVolumnOutOfRange            | (187), |
| routingAlgorithmOutOfRange      | (188), |
| speakerMuteOutOfRange           | (189), |
| speakerVolumeOutOfRange         | (190), |
| switchingCcittTypeOutOfRange    | (191), |
| systemStatusOutOfRange          | (192), |
| toneCharacterOutOfRange         | (193), |
| toneDurationOutOfRange          | (194), |

## SecurityErrors ::= ENUMERATED

|                        |      |
|------------------------|------|
| { generic              | (0), |
| sequenceNumberViolated | (1), |
| timeStampViolated      | (2), |
| securityInfoViolated   | (4)} |

## StateIncompatibilityErrors ::= ENUMERATED

|                                  |       |
|----------------------------------|-------|
| { generic                        | (1),  |
| invalidObjectState               | (2),  |
| invalidDeviceState               | (15), |
| connectedCallExists              | (16), |
| invalidActiveDeviceState         | (17), |
| invalidCalledDeviceState         | (18), |
| invalidCallingDeviceState        | (19), |
| invalidCallToParkDeviceState     | (20), |
| invalidDestinationDeviceState    | (21), |
| invalidDivertingDeviceState      | (22), |
| invalidHoldDeviceState           | (23), |
| invalidParkToDeviceState         | (24), |
| invalidConnectionState           | (25), |
| invalidActiveConnectionState     | (26), |
| invalidConnectionIDForActiveCall | (3),  |
| invalidHoldConnectionState       | (27), |
| noActiveCall                     | (4),  |
| noCallToAnswer                   | (8),  |
| noCallToClear                    | (6),  |
| noCallToComplete                 | (9),  |

|                     |       |
|---------------------|-------|
| noConnectionToClear | ( 7), |
| noHeldCall          | ( 5), |
| incorrectMsgState   | (28), |
| beginningOfMsg      | (13), |
| endOfMsg            | (12), |
| msgSuspended        | (14), |
| notAbleToPlay       | (10), |
| notAbleToResume     | (11)) |

|   |       |
|---|-------|
| SystemResourceAvailabilityErrors ::= ENUMERATED |       |
| {   |       |
| generic   | ( 1), |
| resourceBusy                                    | ( 2), |
| internalResourceBusy                            | ( 3), |
| classifierBusy                                  | ( 9), |
| noMediaChannelsAvailable                        | (10), |
| channelsInUseForBridgedDevices                  | (11), |
| channelsInUseForData                            | (12), |
| toneDetectorBusy                                | (13), |
| toneGeneratorBusy                               | (14), |
| networkBusy                                     | ( 5), |
| resourceOutOfService                            | ( 4), |
| deviceOutOfService                              | (15), |
| activeDeviceOutOfService                        | (16), |
| calledDeviceOutOfService                        | (17), |
| callingDeviceOutOfService                       | (18), |
| callToParkDeviceOutOfService                    | (19), |
| destinationDeviceOutOfService                   | (20), |
| divertingDeviceOutOfService                     | (21), |
| heldDeviceOutOfService                          | (22), |
| parkToDeviceOutOfService                        | (23), |
| pickupDeviceOutOfService                        | (24), |
| networkOutOfService                             | ( 6), |
| otherResourceOutOfService                       | (25), |
| resourceLimitExceeded                           | (26), |
| overallMonitorLimitExceeded                     | ( 7), |
| conferenceMemberLimitExceeded                   | ( 8), |
| registrationLimitExceeded                       | (27)) |

|   |       |
|---|-------|
| SubscribedResourceAvailabilityErrors ::= ENUMERATED |       |
| {   |       |
| generic   | ( 1), |
| objectMonitorLimitExceeded                          | ( 2), |
| trunkLimitExceeded                                  | ( 3), |
| outstandingReqLimitExceeded                         | ( 4), |
| objectRegistrationLimitExceeded                     | ( 5)) |

|  |      |
|--|------|
| PerformanceManagementErrors ::= ENUMERATED |      |
| {  |      |
| generic                                    | (1), |
| performanceLimitExceeded                   | (2)) |

|                                      |      |
|--------------------------------------|------|
| PrivateDataInfoErrors ::= ENUMERATED |      |
| {                                    |      |
| cSTAPrivateDataInfoError             | (1)) |

|                            |  |
|----------------------------|--|
| UnspecifiedErrors ::= NULL |  |
|----------------------------|--|

## Annex A

### Protocol Implementation Conformance Statement (PICS) Proforma

#### A.1 Introduction

The Protocol Implementation Conformance Statement (PICS) is a statement of which capabilities and options of the protocol have been implemented. The PICS can have a number of uses, including use:

- by the protocol implementor, as a check-list to reduce the risk of failure to conform to the standard through oversight;
- by the supplier and acquirer (or potential acquirer) of the implementation, as a detailed indication of the capabilities of the implementation, stated relative to the common basis for understanding provided by the standard PICS proforma;
- by the user (or potential user) of the implementation, as a basis for initially checking the possibility of interworking with another implementation (note that, while interworking cannot be guaranteed, failure to interwork can often be predicted from incompatible PICS);
- By a protocol tester, as the basis for selecting appropriate tests against which to assess the claim for conformance of the implementation.

#### A.2 Conformance

The supplier of a protocol implementation which is claimed to conform to this ECMA-285 shall complete a copy of the Protocol Implementation Conformance Statement (PICS) proforma in A.5, “PICS proforma”.

#### A.3 Instructions for completing the PICS proforma

The first part of the PICS proforma, the Implementation Identification (A.4, “Implementation identification”, on page 308), is to be completed as indicated with the information necessary to identify fully both the supplier and the implementation.

The main part of the PICS proforma, A.5, “PICS proforma”, is a fixed format questionnaire divided into subclauses each containing a group of individual items. These items represent options specified in ECMA-269 (mandatory items are not represented). Answers to the questionnaire items are to be provided in the appropriate columns by marking an answer to indicate a restricted choice (Yes or No), and optionally clarifying this response with a comment.

Where a service or event is not supported, as indicated by entering No for the first entry in a table, any parameters or dependent service components in the rest of that table are not applicable, it is then not necessary to complete items in any subsidiary entries in the table.

## A.4 Implementation identification

|  |                                  |
|--|----------------------------------|
| <b>Supplier</b>  |                                  |
| <b>Protocol Version</b>  | ISO/IEC 18051, ISO/IEC DIS 18052 |
| <b>Date of Statement</b>   | <b>01.08.2013</b>                |
| <b>Contact point for queries about the PICS</b>  |                                  |
| <b>Implementation Name(s) and Version(s)</b>   | OpenScape Business V1.0          |
| <b>Other information necessary for full identification - e.g. Name(s) and Version(s) for machines and/or operating systems; system name(s)</b> |                                  |

The first five items are required for all implementations; other information may be completed as appropriate in meeting the requirement for full identification.

The terms Name and Version should be interpreted appropriately to correspond with a supplier's terminology (e.g. Type, Series, and Model).

## A.5 PICS proforma

### A.5.1 CSTA Profiles

CSTA Profiles group together services and events, where each profile specifies a set of services and events that are supported by the implementation. Switching Function implementers shall indicate support for one or more profiles in the table below. Specifying support for a profile shall be accompanied by specifying support for the services and events encompassed by the profile, as well as any other services and events that the implementation supports.

| Description: Profile(s) Supported        | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| Basic Telephony Profile                  | X          |    |          |
| Routeing Profile                         |            | X  |          |
| Level 1a Voice Browser Profile           |            | X  |          |
| Level 1b Voice Browser Profile           |            | X  |          |
| Level 2 Voice Browser Profile            |            | X  |          |
| Minimal uaCSTA Call Control Profile      |            | X  |          |
| Basic uaCSTA Call Control Profile        |            | X  |          |
| Advanced uaCSTA Call Control Profile     |            | X  |          |
| Conferencing uaCSTA Call Control Profile |            | X  |          |
| Basic uaCSTA Device Feature Profile      |            | X  |          |
| Speaker uaCSTA Device Feature Profile    |            | X  |          |
| Basic Speech Service Profile             |            | X  |          |
| Advanced Speech Service Profile          |            | X  |          |

## A.5.2 Capability Exchange Services

### A.5.2.1 Get CSTA Features

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get CSTA Features</b>                    |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

### A.5.2.2 Get Logical Device Information

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Logical Device Information</b>       | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| groupDeviceAttributes                       | X          |    |          |
| namedDeviceTypes                            |            | X  |          |
| shortFormDeviceID                           |            | X  |          |
| agentLogOnModels                            |            | X  |          |
| appearanceList                              |            | X  |          |
| otherPhysicalDeviceList                     |            | X  |          |
| miscMonitorCaps                             |            | X  |          |
| associatedGroupList                         |            | X  |          |
| maxCallbacks                                |            | X  |          |
| maxAutoAnswerRings                          |            | X  |          |
| maxActiveCalls                              |            | X  |          |
| maxHeldCalls                                |            | X  |          |
| maxFwdSettings                              |            | X  |          |
| maxDevicesInConf                            |            | X  |          |
| transAndConfSetup                           |            | X  |          |
| deviceOnDeviceMonitorFilter                 |            | X  |          |
| deviceOnConnectionMonitorFilter             |            | X  |          |
| callOnDeviceMonitorFilter                   |            | X  |          |
| callOnConnectionMonitorFilter               |            | X  |          |
| mediaClassSupport                           |            | X  |          |
| mediaServiceCapsList                        |            | X  |          |
| connectionRateList                          |            | X  |          |
| delayToleranceList                          |            | X  |          |
| numberOfChannels                            |            | X  |          |
| maxChannelBind                              |            | X  |          |
| routingServList                             |            | X  |          |
| logDevServList                              | X          |    |          |
| logDevEvtsList                              | X          |    |          |
| deviceMaintEvtsList                         | X          |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | x  |          |

**A.5.2.3 Get Physical Device Information**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Physical Device Information</b>      | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| groupDeviceAttributes                       | X          |    |          |
| namedDeviceTypes                            |            | X  |          |
| otherLogicalDeviceList                      |            | X  |          |
| deviceModelName                             |            | X  |          |
| deviceOnDeviceMonitorFilter                 | X          |    |          |
| deviceOnConnectionMonitorFilter             |            | X  |          |
| callOnDeviceMonitorFilter                   |            | X  |          |
| callOnConnectionMonitorFilter               |            | X  |          |
| maxDisplays                                 |            | X  |          |
| maxButtons                                  |            | X  |          |
| maxLamps                                    |            | X  |          |
| maxRingPatterns                             |            | X  |          |
| physDevServList                             | X          |    |          |
| physDevEvtsList                             | X          |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.2.4 Get Switching Function Capabilities**

This service shall be supported by a switching function.

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Switching Function Capabilities</b>  | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| callCharacteristicsSupported                |            | X  |          |
| mediaClassSupport                           | X          |    |          |
| numberOfChannels                            | X          |    |          |
| maxChannelBind                              |            | X  |          |
| miscMediaCallCharacteristics                |            | X  |          |
| connectionRateList                          |            | X  |          |
| delayToleranceRateList                      |            | X  |          |
| pauseTime                                   |            | X  |          |
| currentTime                                 | X          |    |          |
| messageSeqNumbers                           |            | X  |          |
| timeStampMode                               | X          |    |          |
| securityMode                                |            | X  |          |
| securityFormat                              |            | X  |          |
| privateDataFormat                           | X          |    |          |
| transAndConfSetup                           | X          |    |          |
| deviceOnDeviceMonitorFilter                 | X          |    |          |
| deviceOnConnectionMonitorFilter             |            | X  |          |
| callOnDeviceMonitorFilter                   |            | X  |          |
| callOnConnectionMonitorFilter               |            | X  |          |
| miscMonitorCaps                             | X          |    |          |
| correlatorDataSupported                     |            | X  |          |
| dynamicFeatureSupported                     |            | X  |          |
| callLinkageOptionsSupported                 |            | X  |          |
| acdModels                                   | X          |    |          |
| agentLogonModels                            | X          |    |          |
| agentStateModels                            | X          |    |          |
| maxLengthParametersContinued                |            |    |          |
| routingServList                             |            | X  |          |
| logDevServList                              | X          |    |          |
| logDevEvtsList                              | X          |    |          |
| physDevServList                             | X          |    |          |
| physDevEvtsList                             | X          |    |          |
| deviceMaintEvtsList                         | X          |    |          |
| statusReportingServList                     | X          |    |          |
| capExchangeServList                         | X          |    |          |
| cdrServList                                 | X          |    |          |
| vendorSpecificServList                      | X          |    |          |
| vendorSpecificEvtsList                      |            | X  |          |
| privateDataVersionList                      |            | X  |          |
| systemStatusTimer                           | X          |    |          |
| simpleThreshold                             |            | X  |          |
| filterThreshold                             |            | X  |          |
| mediaServiceCapsList                        |            | X  |          |
| maxDeviceHistoryEntries                     |            | X  |          |
| maxDestinationDevicesForDeflect             |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.2.5 Get Switching Function Devices**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Switching Function Devices</b>       | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| requestedDeviceID                           | X          |    |          |
| requestedDeviceCategory                     | X          |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.2.6 Switching Function Devices**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Switching Function Devices</b>          | X          |    |          |
| <b>Service Request optional parameters</b> |            |    |          |
| segmentID                                  | X          |    |          |
| security                                   |            | X  |          |
| privateData                                |            | X  |          |

**A.5.3 System Services**

**A.5.3.1 Change System Status Filter**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Change System Status Filter</b>          |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.3.2 System Register

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>System Register</b>                      |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| requestedStatusFilter                       |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| actualStatusFilter                          |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.3.3 System Register Abort

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>System Register Abort</b>               |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| security                                   |            |    |          |
| privateData                                |            |    |          |

## A.5.3.4 System Register Cancel

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>System Register Cancel</b>               |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.3.5 Request System Status

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Request System Status</b>                | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| sysStatRegisterID                           |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.3.6 System Status**

The System Status service shall be supported as part of the Application Association Initialisation as specified in Clause 7 of ECMA-269.

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>System Status</b>                        | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| sysStatRegisterID                           |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.3.7 Switching Function Capabilities Changed**

| Description: Service, optional parameters      | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Switching Function Capabilities Changed</b> |            | X  |          |
| <b>Service Request optional parameters</b>     |            |    |          |
| sysStatRegisterID                              |            |    |          |
| security                                       |            |    |          |
| privateData                                    |            |    |          |
| <b>Service Response optional parameters</b>    |            |    |          |
| security                                       |            |    |          |
| privateData                                    |            |    |          |

**A.5.3.8 Switching Function Devices Changed**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Switching Function Devices Changed</b>   |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| sysStatRegisterID                           |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.3.9 Get Registrations**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Get Registrations</b>                   |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| requestedRegTypes                          |            |    |          |

|   |  |  |  |
|---|--|--|--|
| security                                    |  |  |  |
| privateData                                 |  |  |  |
| <b>Service Response optional parameters</b> |  |  |  |
| security                                    |  |  |  |
| privateData                                 |  |  |  |

**A.5.3.10 Registration Info**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Registration Info</b>                   |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| segmentID                                  |            |    |          |
| security                                   |            |    |          |
| privateData                                |            |    |          |

**A.5.4 Monitoring Services**

**A.5.4.1 Change Monitor Filter**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Change Monitor Filter</b>                | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| actualFilterList                            | X          |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.4.2 Monitor Start**

This Service must be supported if the basic Telephony profile is supported (A.5.1).

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Monitor Start</b>                        | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| requestedMonitorFilter                      | X          |    |          |
| monitorType                                 |            | X  |          |
| requestedMonitorMediaClass                  |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| actualMonitorFilter                         |            | X  |          |
| actualMonitorMediaClass                     |            | X  |          |
| monitorExistingCalls                        |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.4.3 Monitor Stop**

This Service must be supported if the basic Telephony profile is supported (A.5.1).

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Monitor Stop</b>                         | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.4.4 Get Monitors**

This Service must be supported if the basic Telephony profile is supported (A.5.1).

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Monitors</b>                         |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.4.5 Monitor Info**

This Service must be supported if the basic Telephony profile is supported (A.5.1).

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Monitor Info</b>                        |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| security                                   |            |    |          |
| privateData                                |            |    |          |

**A.5.5 Snapshot Services**

**A.5.5.1 Snapshot Call**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Snapshot Call</b>                       | X          |    |          |
| <b>Service Request optional parameters</b> |            |    |          |
| security                                   |            | X  |          |
| privateData                                |            | X  |          |

| Service Response optional parameters |   |   |  |
|--------------------------------------|---|---|--|
| serviceCrossRefID                    |   | X |  |
| snapshotData                         | X |   |  |
| mediaCallCharacteristics             |   | X |  |
| callCharacteristics                  |   | X |  |
| callingDevice                        |   | X |  |
| calledDevice                         |   | X |  |
| associatedCallingDevice              |   | X |  |
| associatedCalledDevice               |   | X |  |
| correlatorData                       |   | X |  |
| callLinkageData                      |   | X |  |
| subjectOfCall                        |   | X |  |
| messageInfo                          |   | X |  |
| languagePreferences                  |   | X |  |
| deviceHistory                        |   | X |  |
| locationInfoList                     |   | X |  |
| security                             |   | X |  |
| privateData                          |   | X |  |

**A.5.5.2 Snapshot Device**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Snapshot Device                             | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| serviceCrossRefID                           |            | X  |          |
| snapshotData                                | X          |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.5.3 Snapshot CallData**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| Snapshot CallData                          |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| segmentID                                  |            |    |          |
| security                                   |            |    |          |
| privateData                                |            |    |          |

**A.5.5.4 Snapshot DeviceData**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| Snapshot DeviceData                        |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| segmentID                                  |            |    |          |
| security                                   |            |    |          |

|             |  |  |  |
|-------------|--|--|--|
| privateData |  |  |  |
|-------------|--|--|--|

### A.5.6 Call Control Services

#### A.5.6.1 Accept Call

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Accept Call                                 |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| correlatorData                              |            |    |          |
| userData                                    |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

#### A.5.6.2 Alternate Call

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Alternate Call                              | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| connectionReservation                       |            | X  |          |
| consultOptions                              |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

#### A.5.6.3 Answer Call

This Service must be supported if the basic Telephony profile is supported (A.5.1).

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Answer Call                                 | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| correlatorData                              |            | X  |          |
| userData                                    |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

## A.5.6.4 Call Back Call-Related

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Call Back Call-Related                      |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| callCharacteristics                         |            |    |          |
| subjectOfCall                               |            |    |          |
| languagePreferences                         |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| targetDevice                                |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.6.5 Call Back Message Call-Related

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Call Back Message Call-Related              |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| targetDevice                                |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.6.6 Camp on Call

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Camp On Call                                |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.6.7 Clear Call**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Clear Call</b>                           |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| userData                                    |            |    |          |
| reason                                      |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.6.8 Clear Connection**

This Service must be supported if the basic Telephony profile is supported (A.5.1).

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Clear Connection</b>                     | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| correlatorData                              |            | X  |          |
| userData                                    |            | X  |          |
| reason                                      |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.6.9 Conference Call**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Conference Call</b>                      | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| connections                                 |            | X  |          |
| conferenceCallInfo                          |            | X  |          |
| callLinkageDataList                         |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

## A.5.6.10 Consultation Call

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Consultation Call</b>                    | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| connectionReservation                       |            | X  |          |
| accountCode                                 |            | X  |          |
| authCode                                    |            | X  |          |
| correlatorData                              |            | X  |          |
| userData                                    |            | X  |          |
| callCharacteristics                         |            | X  |          |
| mediaCallCharacteristics                    |            | X  |          |
| callingConnectionInfo                       |            | X  |          |
| consultOptions                              |            | X  |          |
| subjectOfCall                               |            | X  |          |
| languagePreferences                         |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| mediaCallCharacteristics                    |            | X  |          |
| initiatedCallInfo                           |            | X  |          |
| callLinkageData                             |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

## A.5.6.11 Deflect Call

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Deflect Call</b>                         | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| correlatorData                              |            | X  |          |
| userData                                    |            | X  |          |
| subjectOfCall                               |            | X  |          |
| languagePreferences                         |            | X  |          |
| reason                                      |            | X  |          |
| callCharacteristics                         |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

## A.5.6.12 Dial Digits

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Dial Digits</b>                         |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| correlatorData                             |            |    |          |

|   |  |  |  |
|---|--|--|--|
| security                                    |  |  |  |
| privateData                                 |  |  |  |
| <b>Service Response optional parameters</b> |  |  |  |
| security                                    |  |  |  |
| privateData                                 |  |  |  |

**A.5.6.13 Directed Pickup Call**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Directed Pickup Call</b>                 | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| correlatorData                              |            | X  |          |
| userData                                    |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| pickedCall                                  |            | X  |          |
| pickedCallInfo                              |            | X  |          |
| callLinkageData                             |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.6.14 Group Pickup Call**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Group Pickup Call</b>                    | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| pickGroup                                   |            | X  |          |
| correlatorData                              |            | X  |          |
| userData                                    |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| pickedCall                                  |            | X  |          |
| pickedCallInfo                              |            | X  |          |
| callLinkageData                             |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.6.15 Hold Call**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Hold Call</b>                           | X          |    |          |
| <b>Service Request optional parameters</b> |            |    |          |
| connectionReservation                      |            | X  |          |
| security                                   |            | X  |          |
| privateData                                |            | X  |          |

| Service Response optional parameters |  |   |
|--------------------------------------|--|---|
| security                             |  | X |
| privateData                          |  | X |

**A.5.6.16 Intrude Call**

| Description: Service, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Intrude Call</b>                       |            | X  |          |
| Service Request optional parameters       |            |    |          |
| participationType                         |            |    |          |
| userData                                  |            |    |          |
| security                                  |            |    |          |
| privateData                               |            |    |          |
| Service Response optional parameters      |            |    |          |
| conferencedCall                           |            |    |          |
| conferencedCallInfo                       |            |    |          |
| callLinkageDataList                       |            |    |          |
| security                                  |            |    |          |
| privateData                               |            |    |          |

**A.5.6.17 Join Call**

| Description: Service, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Join Call</b>                          |            | X  |          |
| Service Request optional parameters       |            |    |          |
| autoOriginate                             |            |    |          |
| participationType                         |            |    |          |
| accountCode                               |            |    |          |
| authCode                                  |            |    |          |
| correlatorData                            |            |    |          |
| userData                                  |            |    |          |
| security                                  |            |    |          |
| privateData                               |            |    |          |
| Service Response optional parameters      |            |    |          |
| conferencedCallInfo                       |            |    |          |
| callLinkageDataList                       |            |    |          |
| security                                  |            |    |          |
| privateData                               |            |    |          |

**A.5.6.18 Make Call**

This Service must be supported if the basic Telephony profile is supported (A.5.1).

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Make Call</b>                            | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| accountCode                                 |            | X  |          |
| authCode                                    |            | X  |          |
| autoOriginate                               |            | X  |          |
| correlatorData                              |            | X  |          |
| userData                                    |            | X  |          |
| callCharacteristics                         |            | X  |          |
| mediaCallCharacteristics                    |            | X  |          |
| callingConnectionInfo                       |            | X  |          |
| subjectOfCall                               |            | X  |          |
| languagePreferences                         |            | X  |          |
| reason                                      |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| mediaCallCharacteristics                    |            | X  |          |
| initiatedCallInfo                           |            | X  |          |
| callLinkageData                             |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.6.19 Make Connection**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Make Connection</b>                      |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| accountCode                                 |            |    |          |
| authCode                                    |            |    |          |
| autoOriginate                               |            |    |          |
| correlatorData                              |            |    |          |
| callCharacteristics                         |            |    |          |
| mediaCallCharacteristics                    |            |    |          |
| connectionInfo                              |            |    |          |
| subjectOfCall                               |            |    |          |
| languagePreferences                         |            |    |          |
| reason                                      |            |    |          |
| maxDevices                                  |            |    |          |
| startTime                                   |            |    |          |
| duration                                    |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| mediaCallCharacteristics                    |            |    |          |
| initiatedCallInfo                           |            |    |          |
| callLinkageData                             |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.6.20 Make Predictive Call**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Make Predictive Call</b>                 |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| signallingDetection                         |            |    |          |
| destinationDetection                        |            |    |          |
| defaultAction                               |            |    |          |
| accountCode                                 |            |    |          |
| authCode                                    |            |    |          |
| autoOriginate                               |            |    |          |
| alertTime                                   |            |    |          |
| correlatorData                              |            |    |          |
| callCharacteristics                         |            |    |          |
| subjectOfCall                               |            |    |          |
| languagePreferences                         |            |    |          |
| userData                                    |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| initiatedCallInfo                           |            |    |          |
| callLinkageData                             |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.6.21 Park Call**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Park Call</b>                            | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| correlatorData                              |            | X  |          |
| subjectOfCall                               |            | X  |          |
| languagePreferences                         |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| parkedTo                                    |            | X  |          |
| callLinkageData                             |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.6.22 Reconnect Call**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Reconnect Call</b>                       | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.6.23 Retrieve Call**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Retrieve Call</b>                        | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.6.24 Send Message**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Send Message</b>                        |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| accountCode                                |            |    |          |

|   |  |  |  |
|---|--|--|--|
| authCode                                    |  |  |  |
| correlatorData                              |  |  |  |
| callCharacteristics                         |  |  |  |
| mediaCallCharacteristics                    |  |  |  |
| subjectOfCall                               |  |  |  |
| languagePreferences                         |  |  |  |
| security                                    |  |  |  |
| privateData                                 |  |  |  |
| <b>Service Response optional parameters</b> |  |  |  |
| ListOfCallLinkageData                       |  |  |  |
| security                                    |  |  |  |
| privateData                                 |  |  |  |

**A.5.6.25 Single Step Conference Call**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Single Step Conference Call</b>          |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| participationType                           |            |    |          |
| accountCode                                 |            |    |          |
| authCode                                    |            |    |          |
| correlatorData                              |            |    |          |
| userData                                    |            |    |          |
| subjectOfCall                               |            |    |          |
| languagePreferences                         |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| conferencedCallInfo                         |            |    |          |
| callLinkageDataList                         |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.6.26 Single Step Transfer Call**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Single Step Transfer Call</b>            | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| accountCode                                 |            | X  |          |
| authCode                                    |            | X  |          |
| correlatorData                              |            | X  |          |
| userData                                    |            | X  |          |
| subjectOfCall                               |            | X  |          |
| languagePreferences                         |            | X  |          |
| reason                                      |            | X  |          |
| callCharacteristics                         |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| connections                                 |            | X  |          |
| transferredCallInfo                         |            | X  |          |
| callLinkageDataList                         |            | X  |          |

|             |  |   |  |
|-------------|--|---|--|
| security    |  | X |  |
| privateData |  | X |  |

**A.5.6.27 Transfer Call**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Transfer Call</b>                        | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| connections                                 |            | X  |          |
| transferredCallInfo                         |            | X  |          |
| callLinkageDataList                         |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

## A.5.7 Call Control Events

### A.5.7.1 Bridged

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Bridged</b>                          |            | X  |          |
| localConnectionInfo                     |            |    |          |
| correlatorData                          |            |    |          |
| userData                                |            |    |          |
| servicesPermitted                       |            |    |          |
| mediaCallCharacteristics                |            |    |          |
| callCharacteristics                     |            |    |          |
| bridgedConnectionInfo                   |            |    |          |
| callLinkageData                         |            |    |          |
| languagePreferences                     |            |    |          |
| locationInfo                            |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

### A.5.7.2 Call Cleared

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Call Cleared</b>                     |            | X  |          |
| correlatorData                          |            |    |          |
| userData                                |            |    |          |
| mediaCallCharacteristics                |            |    |          |
| callCharacteristics                     |            |    |          |
| callLinkageData                         |            |    |          |
| languagePreferences                     |            |    |          |
| locationInfo                            |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

### A.5.7.3 Conferenced

| Description: Event, optional parameters | Supported? |    | Comments                           |
|---|------------|----|------------------------------------|
|   | Yes        | No |                                    |
| <b>Conferenced</b>                      | X          |    |                                    |
| secondaryOldCall                        | X          |    | only for the conference controller |
| localConnectionInfo                     | X          |    |                                    |
| correlatorData                          |            | X  |                                    |
| userData                                |            | X  |                                    |
| servicesPermitted                       |            | X  |                                    |
| mediaCallCharacteristics                |            | X  |                                    |
| callCharacteristics                     |            | X  |                                    |
| callLinkageDataList                     |            | X  |                                    |
| languagePreferences                     |            | X  |                                    |
| deviceHistory                           |            | X  |                                    |
| locationInfo                            |            | X  |                                    |
| security                                | X          |    |                                    |
| privateData                             |            | X  |                                    |

**A.5.7.4 Connection Cleared**

This event must be supported if the Basic Telephony profile is supported (A.5.1).

| Description: Event, optional parameters | Supported? |          | Comments |
|---|------------|----------|----------|
|   | Yes        | No       |          |
| <b>Connection Cleared</b>               | <b>X</b>   |          |          |
| localConnectionInfo                     | <b>X</b>   |          |          |
| correlatorData                          |            | <b>X</b> |          |
| userData                                |            | <b>X</b> |          |
| chargingInfo                            |            | <b>X</b> |          |
| servicesPermitted                       |            | <b>X</b> |          |
| mediaCallCharateristics                 |            | <b>X</b> |          |
| callCharacteristics                     |            | <b>X</b> |          |
| droppedConnectionInfo                   |            | <b>X</b> |          |
| callLinkageData                         |            | <b>X</b> |          |
| languagePreferences                     |            | <b>X</b> |          |
| deviceHistory                           |            | <b>X</b> |          |
| locationInfo                            |            | <b>X</b> |          |
| security                                | <b>X</b>   |          |          |
| privateData                             |            | <b>X</b> |          |

**A.5.7.5 Delivered**

This event must be supported if the Basic Telephony profile is supported (A.5.1).

| Description: Event, optional parameters | Supported? |          | Comments  |
|---|------------|----------|---|
|   | Yes        | No       |   |
| <b>Delivered</b>                        | <b>X</b>   |          |   |
| originatingNIDConnection                | <b>X</b>   |          |   |
| localConnectionInfo                     | <b>X</b>   |          |   |
| correlatorData                          |            | <b>X</b> |   |
| userData                                |            | <b>X</b> |   |
| servicesPermitted                       |            | <b>X</b> |   |
| networkCallingDevice                    | <b>X</b>   |          | Only in OpenScape Business-systems connected directly to PSTN / ITSP  |
| networkCalledDevice                     | <b>X</b>   |          | Only in OpenScape Business -systems connected directly to PSTN / ITSP |
| associatedCallingDevice                 | <b>X</b>   |          |   |
| associatedCalledDevice                  | <b>X</b>   |          |   |
| mediaCallCharacteristics                |            | <b>X</b> |   |
| callCharacteristics                     |            | <b>X</b> |   |
| connectionInfo                          |            | <b>X</b> |   |
| callLinkageData                         |            | <b>X</b> |   |
| subjectOfCall                           |            | <b>X</b> |   |
| messageInfo                             |            | <b>X</b> |   |
| languagePreferences                     |            | <b>X</b> |   |
| deviceHistory                           |            | <b>X</b> |   |
| locationInfo                            |            | <b>X</b> |   |
| security                                | <b>X</b>   |          |   |
| privateData                             |            | <b>X</b> |   |

**A.5.7.6 Digits Dialed**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Digits Dialed</b>                    |            | X  |          |
| localConnectionInfo                     |            |    |          |
| correlatorData                          |            |    |          |
| servicesPermitted                       |            |    |          |
| networkCallingDevice                    |            |    |          |
| networkCalledDevice                     |            |    |          |
| associatedCallingDevice                 |            |    |          |
| associatedCalledDevice                  |            |    |          |
| diallingConnectionInfo                  |            |    |          |
| callCharacteristics                     |            |    |          |
| callLinkageData                         |            |    |          |
| languagePreferences                     |            |    |          |
| locationInfo                            |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.7.7 Diverted**

| Description: Event, optional parameters | Supported? |    | Comments  |
|---|------------|----|---|
|   | Yes        | No |   |
| <b>Diverted</b>                         | X          |    |   |
| callingDevice                           |            | X  |   |
| calledDevice                            |            | X  |   |
| localConnectionInfo                     | X          |    |   |
| correlatorData                          |            | X  |   |
| userData                                |            | X  |   |
| servicesPermitted                       |            | X  |   |
| mediaCallCharacteristics                |            | X  |   |
| callCharacteristics                     |            | X  |   |
| connectionInfo                          |            | X  |   |
| networkCallingDevice                    | X          |    | Only in OpenScape Business -systems connected directly to PSTN / ITSP |
| networkCalledDevice                     | X          |    | Only in OpenScape Business -systems connected directly to PSTN / ITSP |
| associatedCallingDevice                 | X          |    |   |
| associatedCalledDevice                  | X          |    |   |
| callLinkageData                         |            | X  |   |
| subjectOfCall                           |            | X  |   |
| messageInfo                             |            | X  |   |
| languagePreferences                     |            | X  |   |
| deviceHistory                           |            | X  |   |
| locationInfo                            |            | X  |   |
| security                                | X          |    |   |
| privateData                             |            | X  |   |

**A.5.7.8 Established**

This event must be supported if the Basic Telephony profile is supported (A.5.1).

| Description: Event, optional parameters | Supported? |    | Comments  |
|---|------------|----|---|
|   | Yes        | No |   |
| <b>Established</b>                      | X          |    |   |
| originatingNIDConnection                | X          |    |   |
| localConnectionInfo                     | X          |    |   |
| correlatorData                          |            | X  |   |
| userData                                |            | X  |   |
| servicesPermitted                       |            | X  |   |
| networkCallingDevice                    | X          |    | Only in OpenScape Business -systems connected directly to PSTN / ITSP |
| networkCalledDevice                     | X          |    | Only in OpenScape Business -systems connected directly to PSTN / ITSP |
| associatedCallingDevice                 | X          |    |   |
| associatedCalledDevice                  | X          |    |   |
| mediaCallCharacteristics                |            | X  |   |
| callCharacteristics                     |            | X  |   |
| establishedConnectionInfo               |            | X  |   |
| callLinkageData                         |            | X  |   |
| subjectOfCall                           |            | X  |   |
| messageInfo                             |            | X  |   |
| languagePreferences                     |            | X  |   |
| deviceHistory                           |            | X  |   |
| locationInfo                            |            | X  |   |
| security                                | X          |    |   |
| privateData                             |            | X  |   |

**A.5.7.9 Failed**

This event must be supported if the Basic Telephony profile is supported (A.5.1).

| Description: Event, optional parameters | Supported? |    | Comments  |
|---|------------|----|---|
|   | Yes        | No |   |
| <b>Failed</b>                           | X          |    |   |
| originatingNIDConnection                |            | X  |   |
| localConnectionInfo                     | X          |    |   |
| correlatorData                          |            | X  |   |
| userData                                |            | X  |   |
| servicesPermitted                       |            | X  |   |
| networkCallingDevice                    | X          |    | Only in OpenScape Business -systems connected directly to PSTN / ITSP |
| networkCalledDevice                     | X          |    | Only in OpenScape Business -systems connected directly to PSTN / ITSP |
| associatedCallingDevice                 | X          |    |   |
| associatedCalledDevice                  | X          |    |   |
| mediaCallCharacteristics                |            | X  |   |
| callCharacteristics                     |            | X  |   |
| failedConnectionInfo                    |            | X  |   |
| callLinkageData                         |            | X  |   |
| subjectOfCall                           |            | X  |   |
| messageInfo                             |            | X  |   |
| languagePreferences                     |            | X  |   |
| deviceHistory                           |            | X  |   |
| locationInfo                            |            | X  |   |

|             |   |   |  |
|-------------|---|---|--|
| security    | X |   |  |
| privateData |   | X |  |

**A.5.7.10 Held**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Held</b>                             | X          |    |          |
| localConnectionInfo                     | X          |    |          |
| correlatorData                          |            | X  |          |
| servicesPermitted                       |            | X  |          |
| mediaCallCharacteristics                |            | X  |          |
| callCharacteristics                     |            | X  |          |
| heldConnectionInfo                      |            | X  |          |
| callLinkageData                         |            | X  |          |
| languagePreferences                     |            | X  |          |
| locationInfo                            |            | X  |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

**A.5.7.11 Network Capabilities Changed**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Network Capabilities Changed</b>     |            | X  |          |
| localConnectionInfo                     |            |    |          |
| correlatorData                          |            |    |          |
| userData                                |            |    |          |
| networkCapability                       |            |    |          |
| servicesPermitted                       |            |    |          |
| mediaCallCharacteristics                |            |    |          |
| callCharacteristics                     |            |    |          |
| outboundConnectionInfo                  |            |    |          |
| callLinkageData                         |            |    |          |
| languagePreferences                     |            |    |          |
| locationInfo                            |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.7.12 Network Reached**

This event must be supported if the Basic Telephony profile is supported (A.5.1).

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Network Reached</b>                  | X          |    |          |
| originatingNIDConnection                |            | X  |          |
| localConnectionInfo                     | X          |    |          |
| correlatorData                          |            | X  |          |
| userData                                |            | X  |          |
| networkCapability                       | X          |    |          |
| servicesPermitted                       |            | X  |          |
| mediaCallCharacteristics                |            | X  |          |
| callCharacteristics                     |            | X  |          |
| outboundConnectionInfo                  |            | X  |          |

|                         |   |   |  |
|-------------------------|---|---|--|
| networkCallingDevice    | X |   |  |
| networkCalledDevice     | X |   |  |
| associatedCallingDevice | X |   |  |
| callLinkageData         |   | X |  |
| languagePreferences     |   | X |  |
| deviceHistory           |   | X |  |
| locationInfo            |   | X |  |
| security                | X |   |  |
| privateData             |   | X |  |

**A.5.7.13 Offered**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Offered</b>                          |            | X  |          |
| originatingNIDConnection                |            |    |          |
| localConnectionInfo                     |            |    |          |
| correlatorData                          |            |    |          |
| userData                                |            |    |          |
| servicesPermitted                       |            |    |          |
| networkCallingDevice                    |            |    |          |
| networkCalledDevice                     |            |    |          |
| associatedCallingDevice                 |            |    |          |
| associatedCalledDevice                  |            |    |          |
| mediaCallCharacteristics                |            |    |          |
| callCharacteristics                     |            |    |          |
| offeredConnectionInfo                   |            |    |          |
| callLinkageData                         |            |    |          |
| subjectOfCall                           |            |    |          |
| messageInfo                             |            |    |          |
| languagePreferences                     |            |    |          |
| deviceHistory                           |            |    |          |
| locationInfo                            |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.7.14 Originated**

This event must be supported if the Basic Telephony profile is supported (A.5.1).

| Description: Event, optional parameters | Supported? |    | Comments  |
|---|------------|----|---|
|   | Yes        | No |   |
| <b>Originated</b>                       | X          |    |   |
| originatingDevice                       |            | X  |   |
| localConnectionInfo                     | X          |    |   |
| correlatorData                          |            | X  |   |
| servicesPermitted                       |            | X  |   |
| networkCallingDevice                    | X          |    | Only in OpenScape Business -systems connected directly to PSTN / ITSP |
| networkCalledDevice                     | X          |    | Only in OpenScape Business -systems connected directly to PSTN / ITSP |
| associatedCallingDevice                 | X          |    |   |
| associatedCalledDevice                  | X          |    |   |
| mediaCallCharacteristics                |            | X  |   |
| callCharacteristics                     |            | X  |   |
| originatedConnectionInfo                |            | X  |   |
| callLinkageData                         |            | X  |   |

|                     |   |   |  |
|---------------------|---|---|--|
| subjectOfCall       |   |   |  |
| messageInfo         |   |   |  |
| languagePreferences |   |   |  |
| locationInfo        |   |   |  |
| security            | X |   |  |
| privateData         |   | X |  |

**A.5.7.15 Queued**

| Description: Event, optional parameters | Supported? |    | Comments  |
|---|------------|----|---|
|   | Yes        | No |   |
| <b>Queued</b>                           | X          |    |   |
| numberQueued                            | X          |    | in case of ACD call   |
| callsInFront                            |            | X  |   |
| localConnectionInfo                     | X          |    |   |
| correlatorData                          |            | X  |   |
| userData                                |            | X  |   |
| servicesPermitted                       |            | X  |   |
| networkCallingDevice                    | X          |    | Only in OpenScape Business -systems connected directly to PSTN / ITSP |
| networkCalledDevice                     | X          |    | Only in OpenScape Business -systems connected directly to PSTN / ITSP |
| associatedCallingDevice                 | X          |    |   |
| associatedCalledDevice                  | X          |    |   |
| mediaCallCharacteristics                |            | X  |   |
| callCharacteristics                     |            | X  |   |
| queuedConnectionInfo                    |            | X  |   |
| callLinkageData                         |            | X  |   |
| subjectOfCall                           |            | X  |   |
| messageInfo                             |            | X  |   |
| languagePreferences                     |            | X  |   |
| deviceHistory                           |            | X  |   |
| locationInfo                            |            | X  |   |
| security                                | X          |    |   |
| privateData                             |            | X  |   |

**A.5.7.16 Retrieved**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Retrieved</b>                        | X          |    |          |
| localConnectionInfo                     | X          |    |          |
| correlatorData                          |            | X  |          |
| servicesPermitted                       |            | X  |          |
| mediaCallCharacteristics                |            | X  |          |
| callCharacteristics                     |            | X  |          |
| retrievedConnectionInfo                 |            | X  |          |
| callLinkageData                         |            | X  |          |
| languagePreferences                     |            | X  |          |
| locationInfo                            |            | X  |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

**A.5.7.17 Service Initiated**

This event must be supported if the Basic Telephony profile is supported (A.5.1).

| Description: Event, optional parameters | Supported? |    | Comments  |
|---|------------|----|---|
|   | Yes        | No |   |
| <b>Service Initiated</b>                | X          |    |   |
| localConnectionInfo                     | X          |    |   |
| correlatorData                          |            | X  |   |
| servicesPermitted                       |            | X  |   |
| mediaCallCharacteristics                |            | X  |   |
| callCharacteristics                     |            | X  |   |
| initiatedConnectionInfo                 |            | X  |   |
| networkCallingDevice                    | X          |    | Only in OpenScape Business -systems connected directly to PSTN / ITSP |
| networkCalledDevice                     | X          |    | Only in OpenScape Business -systems connected directly to PSTN / ITSP |
| associatedCallingDevice                 | X          |    |   |
| callLinkageData                         |            | X  |   |
| subjectOfCall                           |            | X  |   |
| messageInfo                             |            | X  |   |
| languagePreferences                     |            | X  |   |
| calledDevice                            |            | X  |   |
| locationInfo                            |            | X  |   |
| security                                | X          |    |   |
| privateData                             |            | X  |   |

**A.5.7.18 Transferred**

| Description: Event, optional parameters | Supported? |    | Comments                         |
|---|------------|----|----------------------------------|
|   | Yes        | No |                                  |
| <b>Transferred</b>                      | X          |    |                                  |
| secondaryOldCall                        | X          |    | only for the transferring device |
| localConnectionInfo                     | X          |    |                                  |
| correlatorData                          |            | X  |                                  |
| userData                                |            | X  |                                  |
| chargingInfo                            |            | X  |                                  |
| servicesPermitted                       |            | X  |                                  |
| mediaCallCharacteristics                |            | X  |                                  |
| callCharacteristics                     |            | X  |                                  |
| callLinkageDataList                     |            | X  |                                  |
| languagePreferences                     |            | X  |                                  |
| deviceHistory                           |            | X  |                                  |
| locationInfo                            |            | X  |                                  |
| security                                | X          |    |                                  |
| privateData                             |            | X  |                                  |

### A.5.8 Call Associated Feature Services

#### A.5.8.1 Associate Data

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Associate Data</b>                       |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| accountCode                                 |            |    |          |
| authCode                                    |            |    |          |
| correlatorData                              |            |    |          |
| callQualifyingData                          |            |    |          |
| callCharacteristics                         |            |    |          |
| subjectOfCall                               |            |    |          |
| languagePreferences                         |            |    |          |
| deviceInfo                                  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

#### A.5.8.2 Cancel Telephony Tones

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Cancel Telephony Tones</b>               |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

#### A.5.8.3 Change Connection Information

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Change Connection Information</b>        |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.8.4 Generate Digits**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Generate Digits</b>                      | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| digitMode                                   | X          |    |          |
| toneDuration                                |            | X  |          |
| pulseRate                                   |            | X  |          |
| pauseDuration                               |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.8.5 Generate Telephony Tones**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Generate Telephony Tones</b>             | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| toneDuration                                |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.8.6 Send User Information**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Send User Information</b>                |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.9 Call Associated Feature Events

### A.5.9.1 Call Information

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Call Information</b>                 |            | X  |          |
| callingDevice                           |            |    |          |
| accountInfo                             |            |    |          |
| authorisationCode                       |            |    |          |
| correlatorData                          |            |    |          |
| servicesPermitted                       |            |    |          |
| userData                                |            |    |          |
| callQualifyingData                      |            |    |          |
| connectionInfo                          |            |    |          |
| callLinkageDataList                     |            |    |          |
| callCharacteristics                     |            |    |          |
| subjectOfCall                           |            |    |          |
| languagePreferences                     |            |    |          |
| deviceInfo                              |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

### A.5.9.2 Charging

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Charging</b>                         | X          |    |          |
| cause                                   |            | X  |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

### A.5.9.3 Digits Generated

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Digits Generated</b>                 |            | X  |          |
| digitDurationList                       |            |    |          |
| pauseDurationList                       |            |    |          |
| connectionInfo                          |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

### A.5.9.4 Telephony Tones Generated

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Telephony Tones Generated</b>        |            | X  |          |
| toneGenerated                           |            |    |          |
| toneFrequency                           |            |    |          |
| toneDuration                            |            |    |          |

|                |  |  |  |
|----------------|--|--|--|
| pauseDuration  |  |  |  |
| connectionInfo |  |  |  |
| security       |  |  |  |
| privateData    |  |  |  |

#### A.5.9.5 Service Completion Failure

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Service Completion Failure</b>       |            | X  |          |
| secondaryCall                           |            |    |          |
| otherDevicesPrimaryCallList             |            |    |          |
| otherDevicesSecondaryCallList           |            |    |          |
| mediaCallCharacteristics                |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

### A.5.10 Media Attachment Services

#### A.5.10.1 Attach Media Service

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Attach Media Service</b>                 |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| mediaServiceVersion                         |            |    |          |
| mediaServiceInstanceID                      |            |    |          |
| requestedConnectionState                    |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| mediaConnection                             |            |    |          |
| mediaDevice                                 |            |    |          |
| mediaServiceInstanceID                      |            |    |          |
| mediaConnectionInfo                         |            |    |          |
| callLinkageData                             |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

#### A.5.10.2 Detach Media Service

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Detach Media Service</b>                 |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.11 Media Attachment Events

### A.5.11.1 Media Attached

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Media Attached</b>                   |            | X  |          |
| mediaServiceVersion                     |            |    |          |
| mediaServiceInstanceID                  |            |    |          |
| mediaStreamID                           |            |    |          |
| mediaCallCharacteristics                |            |    |          |
| callCharacteristics                     |            |    |          |
| localConnectionInfo                     |            |    |          |
| mediaConnectionInfo                     |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

### A.5.11.2 Media Detached

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Media Detached</b>                   |            | X  |          |
| mediaServiceVersion                     |            |    |          |
| mediaServiceInstanceID                  |            |    |          |
| mediaStreamID                           |            |    |          |
| mediaCallCharacteristics                |            |    |          |
| callCharacteristics                     |            |    |          |
| localConnectionInfo                     |            |    |          |
| mediaConnectionInfo                     |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

## A.5.12 Routing Services

### A.5.12.1 Route Register

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Route Register</b>                       |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| routeingDevice                              |            |    |          |
| requestedRouteingMediaClass                 |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| actualRouteingMediaClass                    |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.12.2 Route Register Abort**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| Route Register Abort                       |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| security                                   |            |    |          |
| privateData                                |            |    |          |

**A.5.12.3 Route Register Cancel**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Route Register Cancel                       |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.12.4 Re-Route**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| Re-Route                                   |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| routeRegisterReqID                         |            |    |          |
| replyTimeout                               |            |    |          |
| correlatorData                             |            |    |          |
| callLinkageData                            |            |    |          |
| security                                   |            |    |          |
| privateData                                |            |    |          |

**A.5.12.5 Route End**

This service must be supported if the Routing profile is supported (A.5.1).

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| Route End                                  |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| routeRegisterReqID                         |            |    |          |
| errorValue                                 |            |    |          |
| correlatorData                             |            |    |          |
| security                                   |            |    |          |
| privateData                                |            |    |          |

**A.5.12.6 Route Reject**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Route Reject</b>                        |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| routeRegisterReqID                         |            |    |          |
| rejectCause                                |            |    |          |
| correlatorData                             |            |    |          |
| security                                   |            |    |          |
| privateData                                |            |    |          |

**A.5.12.7 Route Request**

This service must be supported if the Routing profile is supported (A.5.1).

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Route Request</b>                       |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| routeRegisterReqID                         |            |    |          |
| callingDevice                              |            |    |          |
| routingDevice                              |            |    |          |
| routedCall                                 |            |    |          |
| routeSelAlgorithm                          |            |    |          |
| associatedCallingDevice                    |            |    |          |
| associatedCalledDevice                     |            |    |          |
| priority                                   |            |    |          |
| replyTimeout                               |            |    |          |
| correlatorData                             |            |    |          |
| mediaCallCharacteristics                   |            |    |          |
| callCharacteristics                        |            |    |          |
| routedCallInfo                             |            |    |          |
| callLinkageData                            |            |    |          |
| subjectOfCall                              |            |    |          |
| messageInfo                                |            |    |          |
| languagePreferences                        |            |    |          |
| deviceHistory                              |            |    |          |
| security                                   |            |    |          |
| privateData                                |            |    |          |

**A.5.12.8 Route Select**

This service must be supported if the Routing profile is supported (A.5.1).

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Route Select</b>                        |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| routeRegisterReqID                         |            |    |          |
| alternateRoutes                            |            |    |          |
| remainRetries                              |            |    |          |

|                |  |  |  |
|----------------|--|--|--|
| routeUsedReq   |  |  |  |
| correlatorData |  |  |  |
| security       |  |  |  |
| privateData    |  |  |  |

#### A.5.12.9 Route Used

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Route Used</b>                          |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| routeRegisterReqID                         |            |    |          |
| callingDevice                              |            |    |          |
| domain                                     |            |    |          |
| correlatorData                             |            |    |          |
| callLinkageData                            |            |    |          |
| security                                   |            |    |          |
| privateData                                |            |    |          |

### A.5.13 Physical Device Services

#### A.5.13.1 Button Press

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Button Press</b>                         | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

#### A.5.13.2 Get Auditory Apparatus Information

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Auditory Apparatus Information</b>   |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| auditoryApparatus                           |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.13.3 Get Button Information

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Button Information</b>               | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| button                                      | X          |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

## A.5.13.4 Get Display

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Display</b>                          |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| displayID                                   |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.13.5 Get HookSwitch Status

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get HookSwitch Status</b>                | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| hookswitch                                  |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.13.6 Get Lamp Information**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Lamp Information</b>                 |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| lamp  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.13.7 Get Lamp Mode**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Lamp Mode</b>                        |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| lamp  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| lamp  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.13.8 Get Message Waiting Indicator**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Message Waiting Indicator</b>        | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| deviceForMessage                            |            | X  |          |
| lampsPresent                                |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.13.9 Get Microphone Gain**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Microphone Gain</b>                  |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| auditoryApparatus                           |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.13.10 Get Microphone Mute**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Microphone Mute</b>                  | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| auditoryApparatus                           |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.13.11 Get Ringer Status**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Ringer Status</b>                    |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| ringer                                      |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.13.12 Get Speaker Mute**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Speaker Mute</b>                     | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| auditoryApparatus                           |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.13.13 Get Speaker Volume**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Speaker Volume</b>                   | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| auditoryApparatus                           | X          |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.13.14 Set Button Information**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Button Information</b>               |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| buttonLabel                                 |            |    |          |
| buttonAssociatedNumber                      |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.13.15 Set Display**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Display</b>                          | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| displayID                                   |            | X  |          |
| physicalBaseRowNumber                       |            | X  |          |
| physicalBaseColumnNumber                    |            | X  |          |
| offset                                      |            | X  |          |
| characterSet                                |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.13.16 Set HookSwitch Status**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set HookSwitch Status</b>                |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.13.17 Set Lamp Mode**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Lamp Mode</b>                        | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| lampBrightness                              |            | X  |          |
| lampColor                                   |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.13.18 Set Message Waiting Indicator**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Message Waiting Indicator</b>        | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| deviceForMessage                            |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.13.19 Set Microphone Gain**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Microphone Gain</b>                  |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.13.20 Set Microphone Mute**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Microphone Mute</b>                  | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.13.21 Set Ringer Status**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Ringer Status</b>                    |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| ringMode                                    |            |    |          |
| ringPattern                                 |            |    |          |
| ringVolume                                  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.13.22 Set Speaker Mute**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Speaker Mute</b>                     | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.13.23 Set Speaker Volume**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Speaker Volume</b>                   | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

## A.5.14 Physical Device Events

### A.5.14.1 Button Information

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Button Information</b>               |            | X  |          |
| buttonLabel                             |            |    |          |
| buttonAssociatedNumber                  |            |    |          |
| buttonPressIndicator                    |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

### A.5.14.2 Button Press

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Button Press</b>                     | X          |    |          |
| buttonLabel                             |            | X  |          |
| buttonAssociatedNumber                  | X          |    |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

### A.5.14.3 Display Updated

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Display Updated</b>                  |            | X  |          |
| displayID                               |            |    |          |
| physicalRows                            |            |    |          |
| physicalColumns                         |            |    |          |
| physicalBaseRowNumber                   |            |    |          |
| physicalBaseColumnNumber                |            |    |          |
| characterSet                            |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

### A.5.14.4 Hookswitch

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Hookswitch</b>                       | X          |    |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

**A.5.14.5 Lamp Mode**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Lamp Mode</b>                        |            | X  |          |
| lampLabel                               |            |    |          |
| lampBrightness                          |            |    |          |
| lampColor                               |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.14.6 Message Waiting**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Message Waiting</b>                  | X          |    |          |
| deviceForMessage                        | X          |    |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

**A.5.14.7 Microphone Gain**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Microphone Gain</b>                  |            | X  |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.14.8 Microphone Mute**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Microphone Mute</b>                  |            | X  |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.14.9 Ringer Status**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Ringer Status</b>                    |            | X  |          |
| ringMode                                |            |    |          |
| ringCount                               |            |    |          |
| ringDuration                            |            |    |          |
| ringPattern                             |            |    |          |
| ringVolume                              |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.14.10 Speaker Mute**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Speaker Mute</b>                     |            | X  |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.14.11 Speaker Volume**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Speaker Volume</b>                   |            | X  |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.15 Logical Device Services**

**A.5.15.1 Call Back Non-Call-Related**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Call Back Non-Call-Related</b>           |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.15.2 Call Back Message Non-Call-Related**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Call Back Message Non-Call-Related          | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.15.3 Cancel Call Back**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Cancel Call Back                            |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.15.4 Cancel Call Back Message**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Cancel Call Back Message                    | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.15.5 Get Agent State**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Agent State</b>                      | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| acdGroup                                    |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | x  |          |

**A.5.15.6 Get Auto Answer**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Auto Answer</b>                      | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| numberOfRings                               |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.15.7 Get Auto Work Mode**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Auto Work Mode</b>                   | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| autoWorkInterval                            | X          |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.15.8 Get Callback**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Get Callback</b>                        | X          |    |          |
| <b>Service Request optional parameters</b> |            |    |          |
| security                                   |            | X  |          |

|   |  |   |  |
|---|--|---|--|
| privateData                                 |  | X |  |
| <b>Service Response optional parameters</b> |  |   |  |
| security                                    |  | X |  |
| privateData                                 |  | X |  |

**A.5.15.9 Get Caller ID Status**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Caller ID Status</b>                 | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.15.10 Get Do Not Disturb**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Do Not Disturb</b>                   | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| callOrigination                             |            | X  |          |
| callingDeviceList                           |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.15.11 Get Forwarding**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Forwarding</b>                       | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.15.12 Get Last Number Dialed**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Last Number Dialed</b>               |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.15.13 Get Presence State**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Presence State</b>                   |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| fromTime                                    |            |    |          |
| untilTime                                   |            |    |          |
| place                                       |            |    |          |
| mood  |            |    |          |
| namedPresenceState                          |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.15.14 Get Routeing Mode**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Routeing Mode</b>                    |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.15.15 Set Agent State**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Set Agent State</b>                     | X          |    |          |
| <b>Service Request optional parameters</b> |            |    |          |

|   |   |   |  |
|---|---|---|--|
| agentID                                     | X |   |  |
| password                                    |   | X |  |
| group                                       | X |   |  |
| security                                    |   | X |  |
| privateData                                 |   | X |  |
| <b>Service Response optional parameters</b> |   |   |  |
| pendingAgentState                           |   | X |  |
| security                                    |   | X |  |
| privateData                                 |   | X |  |

**A.5.15.16 Set Auto Answer**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Auto Answer</b>                      |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| numberOfRings                               |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.15.17 Set Auto Work Mode**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Auto Work Mode</b>                   |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| autoWorkInterval                            |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.15.18 Set Caller ID Status**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Caller ID Status</b>                 | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.15.19 Set Do Not Disturb**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Do Not Disturb</b>                   | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| callOrigination                             |            | X  |          |
| callingDeviceList                           |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.15.20 Set Forwarding**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Forwarding</b>                       | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| forwardingType                              | X          |    |          |
| forwardDN                                   | X          |    |          |
| ringCount                                   |            | X  |          |
| ringDuration                                |            | X  |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.15.21 Set Presence State**

| Description: Service, optional parameters                      | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Set Presence State</b>                                      |            | X  |          |
| <b>Service Request optional parameters</b>                     |            |    |          |
| fromTime   |            |    |          |
| untilTime  |            |    |          |
| place<br>mood<br>namedPresenceState<br>security<br>privateData |            |    |          |
| <b>Service Response optional parameters</b>                    |            |    |          |
| security   |            |    |          |
| privateData  |            |    |          |

**A.5.15.22 Set Routeing Mode**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Routeing Mode</b>                    |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.16 Logical Device Events**

**A.5.16.1 Agent Busy**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Agent Busy</b>                       | X          |    |          |
| agentID                                 | X          |    |          |
| acdGroup                                | X          |    |          |
| pendingAgentState                       | X          |    |          |
| cause                                   |            | X  |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

**A.5.16.2 Agent Logged Off**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Agent Logged Off</b>                 | X          |    |          |
| agentID                                 | X          |    |          |
| acdGroup                                | X          |    |          |
| agentPassword                           |            | X  |          |
| cause                                   |            | X  |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

**A.5.16.3 Agent Logged On**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Agent Logged On</b>                  | X          |    |          |
| agentID                                 | X          |    |          |
| acdGroup                                | X          |    |          |
| agentPassword                           |            | X  |          |
| cause                                   |            | X  |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

**A.5.16.4 Agent Not Ready**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Agent Not Ready</b>                  | X          |    |          |
| agentID                                 | X          |    |          |
| acdGroup                                | X          |    |          |
| cause                                   |            | X  |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

**A.5.16.5 Agent Ready**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Agent Ready</b>                      | X          |    |          |
| agentID                                 | X          |    |          |
| acdGroup                                | X          |    |          |
| cause                                   |            | X  |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

**A.5.16.6 Agent Working After Call**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Agent Working After Call</b>         | X          |    |          |
| agentID                                 | X          |    |          |
| acdGroup                                | X          |    |          |
| pendingAgentState                       |            | X  |          |
| cause                                   |            | X  |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

**A.5.16.7 Auto Answer**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Auto Answer</b>                      |            | X  |          |
| numberOfRings                           |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.16.8 Auto Work Mode**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Auto Work Mode</b>                   |            | X  |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.16.9 Call Back**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Call Back</b>                        |            | X  |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.16.10 Call Back Message**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Call Back Message</b>                |            | X  |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.16.11 Caller ID Status**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Caller ID Status</b>                 | X          |    |          |
| security                                | X          |    |          |
| privateData                             |            |    |          |

**A.5.16.12 Do Not Disturb**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Do Not Disturb</b>                   | X          |    |          |
| callOrigination                         |            | X  |          |
| callingDeviceList                       |            | X  |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

**A.5.16.13 Forwarding**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Forwarding</b>                       | X          |    |          |
| forwardingType                          | X          |    |          |
| forwardTo                               | X          |    |          |
| forwardDefault                          |            | X  |          |
| ringCount                               |            | X  |          |
| ringDuration                            |            | X  |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

**A.5.16.14 Presence State**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Presence State</b>                   |            | X  |          |
| fromTime                                |            |    |          |
| untilTime                               |            |    |          |
| place                                   |            |    |          |
| mood                                    |            |    |          |
| namedPresenceState                      |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.16.14 Routeing Mode**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Routeing Mode</b>                    |            | X  |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.17 Device Maintenance Events****A.5.17.1 Back In Service**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Back In Service</b>                  | X          |    |          |
| cause                                   |            | X  |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

**A.5.17.2 Device Capabilities Changed**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Device Capabilities Changed</b>      |            | X  |          |
| cause                                   |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.17.3 Out of Service**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Out of Service</b>                   | X          |    |          |
| cause                                   |            | X  |          |
| security                                | X          |    |          |
| privateData                             |            | X  |          |

**A.5.17.4 Partially In Service**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Partially In Service</b>             |            | X  |          |
| cause                                   |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.18 I/O Services**

**A.5.18.1 I/O Register**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>I/O Register</b>                         |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| ioDevice                                    |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.18.2 I/O Register Abort**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| I/O Register Abort                         |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| security                                   |            |    |          |
| privateData                                |            |    |          |

**A.5.18.3 I/O Register Cancel**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| I/O Register Cancel                         |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.18.4 Data Path Resumed**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Data Path Resumed                           |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| ioRegisterReqID                             |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.18.5 Data Path Suspended**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Data Path Suspended                         |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| ioRegisterReqID                             |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.18.6 Fast Data**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Fast Data</b>                            |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| ioRegisterReqID                             |            |    |          |
| dataPathType                                |            |    |          |
| displayAttributes                           |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.18.7 Resume Data Path**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Resume Data Path</b>                     |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| ioRegisterReqID                             |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.18.8 Send Broadcast Data**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Send Broadcast Data</b>                  |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| dataPathType                                |            |    |          |
| displayAttributes                           |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.18.9 Send Data**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Send Data</b>                           |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |

|   |  |  |  |
|---|--|--|--|
| ioRegisterReqID                             |  |  |  |
| displayAttributes                           |  |  |  |
| ioCause                                     |  |  |  |
| security                                    |  |  |  |
| privateData                                 |  |  |  |
| <b>Service Response optional parameters</b> |  |  |  |
| security                                    |  |  |  |
| privateData                                 |  |  |  |

**A.5.18.10 Send Multicast Data**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Send Multicast Data                         |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| ioData                                      |            |    |          |
| displayAttributes                           |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.18.11 Start Data Path**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Start Data Path                             |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| ioRegisterReqID                             |            |    |          |
| dataPathDirection                           |            |    |          |
| dataPathType                                |            |    |          |
| displayID                                   |            |    |          |
| numberOfCharsToCollect                      |            |    |          |
| terminationCharacter                        |            |    |          |
| timeout                                     |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| numberOfCharsToCollect                      |            |    |          |
| terminationCharacter                        |            |    |          |
| timeout                                     |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.18.12 Stop Data Path**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| Stop Data Path                             |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |

|   |  |  |  |
|---|--|--|--|
| ioRegisterReqID                             |  |  |  |
| security                                    |  |  |  |
| privateData                                 |  |  |  |
| <b>Service Response optional parameters</b> |  |  |  |
| security                                    |  |  |  |
| privateData                                 |  |  |  |

**A.5.18.13 Suspend Data Path**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Suspend Data Path</b>                    |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| ioRegisterReqID                             |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.19 Data Collection Services**

**A.5.19.1 Data Collected**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Data Collected</b>                       |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| digitsData                                  |            |    |          |
| telTonesData                                |            |    |          |
| connectionInfo                              |            |    |          |
| dcolCause                                   |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.19.2 Data Collection Resumed**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Data Collection Resumed</b>              |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.19.3 Data Collection Suspended**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Data Collection Suspended</b>            |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.19.4 Resume Data Collection**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Resume Data Collection</b>               |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.19.5 Start Data Collection**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Start Data Collection</b>                |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| dataCollType                                |            |    |          |
| digitsReportingCriteria                     |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.19.6 Stop Data Collection**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Stop Data Collection</b>                 |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.19.7 Suspend Data Collection**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Suspend Data Collection</b>              |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.20 Voice Services****A.5.20.1 Activate**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Activate</b>                             |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| resource                                    |            |    |          |
| grammarName                                 |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.20.2 Clear

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Clear Message</b>                        |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| resource                                    |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.20.3 Concatenate Message

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Concatenate Message</b>                  |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.20.4 Deactivate

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Deactivate</b>                           |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| resource                                    |            |    |          |
| grammarName                                 |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.20.5 Delete Message

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Delete Message</b>                       |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.20.6 Play Message

| Description: Service, optional parameters   | Supported? |    | Comments                              |
|---|------------|----|---------------------------------------|
|   | Yes        | No |                                       |
| <b>Play Message</b>                         | X          |    | used for start recorded announcements |
| <b>Service Request optional parameters</b>  |            |    |                                       |
| duration                                    |            | X  |                                       |
| termination                                 |            | X  |                                       |
| security                                    |            | X  |                                       |
| privateData                                 |            | X  |                                       |
| <b>Service Response optional parameters</b> |            |    |                                       |
| security                                    |            | X  |                                       |
| privateData                                 |            | X  |                                       |

## A.5.20.7 Query Voice Attribute

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Query Voice Attribute</b>                |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| messageToQuery                              |            |    |          |
| resource                                    |            |    |          |
| connection                                  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.20.8 Queue**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Queue</b>                                |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| message                                     |            |    |          |
| resource                                    |            |    |          |
| text  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.20.9 Record Message**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Record Message</b>                       |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| resource                                    |            |    |          |
| samplingRate                                |            |    |          |
| encodingAlgorithm                           |            |    |          |
| maxDuration                                 |            |    |          |
| termination                                 |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.20.10 Reposition**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Reposition</b>                           |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| messageToReposition                         |            |    |          |
| resource                                    |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.20.11 Resume**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Resume</b>                               |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| messageToResume                             |            |    |          |
| resource                                    |            |    |          |
| duration                                    |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.20.12 Review**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Review</b>                               |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| messageToReview                             |            |    |          |
| resource                                    |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.20.13 Set Voice Attribute**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Set Voice Attribute</b>                  |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| message                                     |            |    |          |
| resource                                    |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.20.14 Start

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Start</b>                                |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| resource                                    |            |    |          |
| text  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.20.15 Stop

| Description: Service, optional parameters   | Supported? |    | Comments                            |
|---|------------|----|-------------------------------------|
|   | Yes        | No |                                     |
| <b>Stop</b>                                 | X          |    | used to stop recorded announcements |
| <b>Service Request optional parameters</b>  |            |    |                                     |
| messageToBeStopped                          | X          |    |                                     |
| resource                                    |            | X  |                                     |
| security                                    |            | X  |                                     |
| privateData                                 |            | X  |                                     |
| <b>Service Response optional parameters</b> |            |    |                                     |
| security                                    |            | X  |                                     |
| privateData                                 |            | X  |                                     |

## A.5.20.16 Suspend

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Suspend</b>                              |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| message                                     |            |    |          |
| resource                                    |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

## A.5.20.17 Synthesize Message

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Synthesize Message</b>                  |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |

|   |  |  |  |
|---|--|--|--|
| control                                     |  |  |  |
| security                                    |  |  |  |
| privateData                                 |  |  |  |
| <b>Service Response optional parameters</b> |  |  |  |
| security                                    |  |  |  |
| privateData                                 |  |  |  |

## A.5.21 Voice Events

### A.5.21.1 Bookmark Reached

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Bookmark Reached</b>                 |            | X  |          |
| resource                                |            |    |          |
| cause                                   |            |    |          |
| servicesPermitted                       |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

### A.5.21.2 Completed

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Completed</b>                        |            | X  |          |
| resource                                |            |    |          |
| cause                                   |            |    |          |
| servicesPermitted                       |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

### A.5.21.3 DTMF Detected

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>DTMF Detected</b>                    |            | X  |          |
| resource                                |            |    |          |
| cause                                   |            |    |          |
| servicesPermitted                       |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.21.4 Emptied**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Emptied</b>                          |            | X  |          |
| resource                                |            |    |          |
| cause                                   |            |    |          |
| servicesPermitted                       |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.21.5 Interruption Detected**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Interruption Detected</b>            |            | X  |          |
| resource                                |            |    |          |
| cause                                   |            |    |          |
| servicesPermitted                       |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.21.6 Not Recognized**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Interruption Detected</b>            |            | X  |          |
| resource                                |            |    |          |
| result                                  |            |    |          |
| cause                                   |            |    |          |
| servicesPermitted                       |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.21.7 Play**

| Description: Event, optional parameters | Supported? |    | Comments                      |
|---|------------|----|-------------------------------|
|   | Yes        | No |                               |
| <b>Play</b>                             | X          |    | recorded announcement started |
| message                                 |            | X  |                               |
| resource                                |            | X  |                               |
| length                                  |            | X  |                               |
| currentPosition                         |            | X  |                               |
| speed                                   |            | X  |                               |
| cause                                   |            | X  |                               |
| servicesPermitted                       |            | X  |                               |
| security                                | X          |    |                               |
| privateData                             |            | X  |                               |

**A.5.21.8 Recognized**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Recognized</b>                       |            | X  |          |
| resource                                |            |    |          |
| cause                                   |            |    |          |
| servicesPermitted                       |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.21.9 Record**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Record</b>                           |            | X  |          |
| message                                 |            |    |          |
| resource                                |            |    |          |
| length                                  |            |    |          |
| currentPosition                         |            |    |          |
| cause                                   |            |    |          |
| servicesPermitted                       |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.21.10 Review**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Review</b>                           |            | X  |          |
| message                                 |            |    |          |
| resource                                |            |    |          |
| length                                  |            |    |          |

|                   |  |  |  |
|-------------------|--|--|--|
| currentPosition   |  |  |  |
| cause             |  |  |  |
| servicesPermitted |  |  |  |
| security          |  |  |  |
| privateData       |  |  |  |

**A.5.21.11 Silence Timeout Expired**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Silence Timeout Expired</b>          |            | X  |          |
| resource                                |            |    |          |
| cause                                   |            |    |          |
| servicesPermitted                       |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.21.12 Speech Detected**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Speech Detected</b>                  |            | X  |          |
| resource                                |            |    |          |
| cause                                   |            |    |          |
| servicesPermitted                       |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.21.13 Started**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Started</b>                          |            | X  |          |
| resource                                |            |    |          |
| cause                                   |            |    |          |
| servicesPermitted                       |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.21.14 Stop**

| Description: Event, optional parameters | Supported? |    | Comments                      |
|---|------------|----|-------------------------------|
|   | Yes        | No |                               |
| <b>Stop</b>                             | X          |    | recorded announcement stopped |
| message                                 |            | X  |                               |
| resource                                |            | X  |                               |
| length                                  |            | X  |                               |
| currentPosition                         |            | X  |                               |
| cause                                   |            | X  |                               |
| servicesPermitted                       |            | X  |                               |
| security                                | X          |    |                               |
| privateData                             |            | X  |                               |

**A.5.21.15 Suspend Play**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Suspend Play</b>                     |            | X  |          |
| message                                 |            |    |          |
| resource                                |            |    |          |
| length                                  |            |    |          |
| currentPosition                         |            |    |          |
| cause                                   |            |    |          |
| servicesPermitted                       |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.21.16 Suspend Record**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Suspend Record</b>                   |            | X  |          |
| message                                 |            |    |          |
| resource                                |            |    |          |
| length                                  |            |    |          |
| currentPosition                         |            |    |          |
| cause                                   |            |    |          |
| servicesPermitted                       |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.21.17 Voice Attribute Changed**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Voice Attribute Changed</b>          |            | X  |          |
| message                                 |            |    |          |
| resource                                |            |    |          |
| playVolume                              |            |    |          |
| recordingGain                           |            |    |          |
| speed                                   |            |    |          |
| currentPosition                         |            |    |          |
| grammars                                |            |    |          |
| language                                |            |    |          |
| mode                                    |            |    |          |
| retainAudio                             |            |    |          |
| silenceTimeout                          |            |    |          |
| maxTimeout                              |            |    |          |
| babbleTimeout                           |            |    |          |
| endSilence                              |            |    |          |
| rejectionThreshold                      |            |    |          |
| autoInterruptable                       |            |    |          |
| innerXML                                |            |    |          |
| interdigitTimeout                       |            |    |          |
| preflush                                |            |    |          |
| cause                                   |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.21.18 Voice Error Occured**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Voice Error Occured</b>              |            | X  |          |
| resource                                |            |    |          |
| cause                                   |            |    |          |
| servicesPermitted                       |            |    |          |
| security                                |            |    |          |
| privateData                             |            |    |          |

**A.5.22 Call Detail Record (CDR) Services**

**A.5.22.1 Call Detail Records Notification**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Call Detail Records Notification</b>    |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| cdrReason                                  |            |    |          |
| security                                   |            |    |          |

|   |  |  |  |
|---|--|--|--|
| privateData                                 |  |  |  |
| <b>Service Response optional parameters</b> |  |  |  |
| security                                    |  |  |  |
| privateData                                 |  |  |  |

**A.5.22.2 Call Detail Records Report**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Call Detail Records Report                  | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.22.3 Send Stored Call Detail Records**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Send Stored Call Detail Records             |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| timePeriod                                  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.22.4 Start Call Detail Records Transmission**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Start Call Detail Records Transmission      | X          |    |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            | X  |          |
| privateData                                 |            | X  |          |

**A.5.22.5 Stop Call Detail Records Transmission**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| Stop Call Detail Records Transmission      | X          |    |          |
| <b>Service Request optional parameters</b> |            |    |          |

|   |  |   |  |
|---|--|---|--|
| cdrTermReason                               |  | X |  |
| security                                    |  | X |  |
| privateData                                 |  | X |  |
| <b>Service Response optional parameters</b> |  |   |  |
| security                                    |  | X |  |
| privateData                                 |  | X |  |

### A.5.23 Location Services

#### A.5.23.1 Get Location Information

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Get Location Information                    |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| locationInfo                                |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

#### A.5.23.2 Set Location Information

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Set Location Information                    |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| locationInfo                                |            |    |          |
| replaceMode                                 |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| locationInfo                                |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

#### A.5.23.3 Location Tracking Session Resumed

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Location Tracking Session Resumed           |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| locReason                                   |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.23.4 Location Tracking Session Suspended**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Location Tracking Session Suspended</b>  |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| locReason                                   |            |    |          |
| locationInfoList                            |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| locationInfo                                |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.23.5 Resume Location Tracking Session**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Resume Location Tracking Session</b>     |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.23.6 Location Information Report**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Location Information Report</b>          |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| locationInfoList                            |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.23.7 Start Location Tracking Session**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Start Location Tracking Session</b>      |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| collectionType                              |            |    |          |
| collectionInterval                          |            |    |          |
| maxCollections                              |            |    |          |
| collectionFilter                            |            |    |          |
| reportingType                               |            |    |          |
| reportingInterval                           |            |    |          |
| reportingCount                              |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.23.8 Stop Location Tracking Session**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Stop Location Tracking Session</b>       |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| reason                                      |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.23.9 Suspend Location Tracking Session**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Suspend Location Tracking Session</b>    |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.23.10 Get Location Tracking Capabilities**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Location Tracking Capabilities</b>   |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.23.11 Get Location Tracking Sessions**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| <b>Get Location Information</b>             |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| serviceCrossRefID                           |            |    |          |
| locationSessionInfoList                     |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.23.12 Location Session Info**

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| <b>Location Session Info</b>               |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| segmentID                                  |            |    |          |
| security                                   |            |    |          |
| privateData                                |            |    |          |

## A.5.24 Vendor Specific Extension Services

### A.5.24.1 Escape Register

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Escape Register                             |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

### A.5.24.2 Escape Register Abort

| Description: Service, optional parameters  | Supported? |    | Comments |
|--|------------|----|----------|
|  | Yes        | No |          |
| Escape Register Abort                      |            | X  |          |
| <b>Service Request optional parameters</b> |            |    |          |
| security                                   |            |    |          |
| privateData                                |            |    |          |

### A.5.24.3 Escape Register Cancel

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Escape Register Cancel                      |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

### A.5.24.4 Escape

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Escape                                      |            | X  |          |
| <b>Service Request optional parameters</b>  |            |    |          |
| escapeRegisterID                            |            |    |          |
| security                                    |            |    |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.24.5 Private Data Version Selection**

| Description: Service, optional parameters   | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Private Data Version Selection              |            | X  |          |
| <b>Service Response optional parameters</b> |            |    |          |
| security                                    |            |    |          |
| privateData                                 |            |    |          |

**A.5.25 Vendor Specific Extension Events**

**A.5.25.1 Private Event**

| Description: Event, optional parameters | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| Private Event                           |            | X  |          |
| security                                |            |    |          |

**A.5.26 XML Tag Options**

| Description: XML Tag option(s)<br>Supported | Supported? |    | Comments |
|---|------------|----|----------|
|   | Yes        | No |          |
| ECMA-323 Specified Tags                     |            | X  |          |
| Short Tags                                  |            | X  |          |
| Dynamic Tags                                |            | X  |          |

**A.5.27 CSTA overSIP (uaCSTA) Transport Mechanism Option**

Refer to 2.5, "CSTA Over SIP (uaCSTA) Transport Mechanism Option", on page 2 for information on the CSTA Over SIP (uaCSTA) Transport Mechanism option.

| Description: Transport Option    | Supported? |    | Comments |
|----------------------------------|------------|----|----------|
|                                  | Yes        | No |          |
| CSTA Over SIP (uaCSTA) Transport |            | X  |          |

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