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**Intelligent Network (IN);
Intelligent Network Capability Set 1 (CS1);
Core Intelligent Network Application Protocol (INAP);
Part 2: Protocol Implementation Conformance Statement (PICS)
proforma specification for Service Switching Function (SSF),
Specialized Resource Function (SRF) and
Service Control Function (SCF)**

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Foreword

This European Telecommunication Standard (ETS) has been produced by the Signalling Protocols and Switching (SPS) Technical Committee of the European Telecommunications Standards Institute (ETSI).

This ETS is part 2 of a multi-part standard covering the Capability Set 1 (CS1) core Intelligent Network Protocol (INAP) as described below:

Part 1: "Protocol specification";

Part 2: "Protocol Implementation Conformance Statement (PICS) proforma specification";

Part 3: "Test Suite Structure and Test Purposes (TSS&TP) specification";

Part 4: "Abstract Test Suite (ATS) and partial Protocol Implementation eXtra Information for Testing (PIXIT) proforma specification";

Part 5: "Protocol specification for the SCF-SDF interface";

Part 6: "PICS proforma specification for the SCF-SDF interface".

NOTE: Further parts of this standard may be identified later.

Transposition dates	
Date of adoption of this ETS:	1 March 1996
Date of latest announcement of this ETS (doa):	31 May 1996
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	30 November 1996
Date of withdrawal of any conflicting National Standard (dow):	30 November 1996

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1 Scope

This second part of ETS 300 374 provides the Implementation Conformance Statement (ICS) proforma for the core Intelligent Network Application Protocol (INAP) of Intelligent Network (IN) Capability Set 1 (CS1) defined in ETS 300 374-1 [1] in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-7 [3].

2 Normative references

This ETS incorporates by dated and undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this ETS only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- [1] ETS 300 374-1 (1994): "Intelligent Network (IN); Intelligent Network Capability Set 1 (CS1); Core Intelligent Network Application Protocol (INAP); Part 1: Protocol specification".
- [2] ISO/IEC 9646-1: "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 1: General concepts".
- [3] ISO/IEC 9646-7: "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 7: Implementation Conformance Statements".

3 Definitions and abbreviations

3.1 Definitions

For the purposes of this ETS, the following definitions apply:

- terms defined in ETS 300 374-1 [1];
- terms defined in ISO/IEC 9646-1 [2] and in ISO/IEC 9646-7 [3].

In particular, the following terms defined in ISO/IEC 9646-1 [2] apply:

Implementation Conformance Statement (ICS): A statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented. The ICS can take several forms: protocol ICS, profile ICS, profile specific ICS, information object ICS, etc.

ICS proforma: A document, in the form of a questionnaire, which when completed for an implementation or system becomes an ICS.

Protocol ICS (PICS): An ICS for an implementation or system claimed to conform to a given protocol specification.

3.2 Abbreviations

For the purposes of this ETS, the following abbreviations apply:

AC	Application Context
ASE	Application Service Element
BCSM	Basic Call State Model
CS1	Capability Set 1
ICS	Implementation Conformance Statement
IN	Intelligent Network
INAP	Intelligent Network Application Protocol
IP	Intelligent Peripheral
IUT	Implementation Under Test
PDU	Protocol Data Unit
PICS	Protocol Implementation Conformance Statement
SCF	Service Control Function
SCP	Service Control Point
SCS	System Conformance Statement
SRF	Specialized Resource Function
SSF	Service Switching Function
SSP	Service Switching Point
SUT	System Under Test

4 Conformance

If it claims to conform to this ETS, the actual PICS proforma to be filled in by a supplier shall be technically equivalent to the text of the PICS proforma given in annex A, and shall preserve the numbering/naming and ordering of the proforma items.

A PICS which conforms to this ETS shall be a conforming PICS proforma completed in accordance with the instructions for completion given in clause A.1.

Annex A (normative): PICS proforma for core INAP CS1

Notwithstanding the provisions of the copyright clause related to the text of this ETS, ETSI grants that users of this ETS may freely reproduce the PICS proforma in this annex so that it can be used for its intended purposes and may further publish the completed PICS.

A.1 Guidance for completing the PICS proforma

A.1.1 Purpose and structure

The purpose of this PICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in ETS 300 374-1 [1] may provide information about the implementation in a standardized manner.

The PICS proforma is subdivided into clauses for the following categories of information:

- instructions for completing the ICS proforma;
- identification of the implementation;
- identification of the protocol;
- PICS proforma tables;
 - global statement of conformance;
 - physical entities;
 - external interfaces;
 - application contexts;
 - operations;
 - arguments, results and errors;
 - timers;
 - range constants.

A.1.2 Symbols, abbreviations and terms

The PICS proforma contained in this annex is comprised of information in tabular form in accordance with the guidelines presented in ISO/IEC 9646-7 [3].

Item column

The item column contains a number which identifies the item in the table.

Item description column

The item description column describes in free text each respective item (e.g. parameters, timers, etc.). It implicitly means "is <item description> supported by the implementation?".

Status column

The following notations, defined in ISO/IEC 9646-7 [3], are used for the status column:

- | | |
|-----|---|
| m | mandatory - the capability is required to be supported. |
| o | optional - the capability may be supported or not. |
| n/a | not applicable - in the given context, the capability cannot be used. |
| x | prohibited (excluded) - there is a requirement not to use this capability in the given context. |
| o.i | qualified optional - for mutually exclusive or selectable options from a set. "i" is an integer which identifies an unique group of related optional items and the logic of their selection which is defined immediately following the table. |

ci conditional - the requirement on the capability ("m", "o", "x" or "n/a") depends on the support of other optional or conditional items. "i" is an integer identifying a unique conditional status expression which is defined immediately following the table. For nested conditional expressions, the syntax "IF ... THEN (IF ... THEN ... ELSE...)" ELSE ..." is used to avoid ambiguities.

Reference column

Entries in the reference column refer to subclauses of ETS 300 374-1 [1], except where explicitly stated otherwise.

NOTE: A reference indicates only the location of the most essential information about an item. All additional requirements contained in ETS 300 374-1 [1] have also to be taken into account when making a statement about the conformance of that particular item.

Support column

The support column shall be filled in by the supplier of the implementation. The following common notations, defined in ISO/IEC 9646-7 [3], are used for the support column:

Y or y	supported by the implementation
N or n	not supported by the implementation
N/A, n/a or -	no answer required (allowed only if the status is n/a, directly or after evaluation of a conditional status)

NOTE: As stated in ISO/IEC 9646-7 [3], support for a Protocol Data Unit (PDU) requires the ability to parse all valid parameters of that PDU. Supporting a PDU while having no ability to parse a valid parameter is non-conformant. Support for a parameter on a PDU means that the semantics of that parameter are supported.

If this PICS proforma is completed in order to describe a multiple-profile support in a system, it is necessary to be able to answer that a capability is supported for one profile and not supported for another. In that case, the supplier shall enter the unique reference to a conditional expression, preceded by "?" (e.g. ?3). This expression shall be given in the cell provided at the bottom of the table. It uses predicates defined in the System Conformance Statement (SCS), each of which refers to a single profile and which takes the value TRUE if and only if that profile is to be used.

EXAMPLE: ?3: IF prof1 THEN Y ELSE N

It is further possible to provide comments to an answer at the bottom of each table.

Values allowed column

The values allowed column contains the values or the ranges of values allowed.

Values supported column

The values supported column shall be filled in by the supplier of the implementation. In this column, the values or the ranges of values supported by the implementation shall be indicated.

References to items

For each possible item answer (answer in the support column) within the PICS proforma exists a unique reference, used, for example, in the conditional expressions. It is defined as the table identifier, followed by a solidus character "/", followed by the item number in the table. If there is more than one support column in a table, the columns shall be discriminated by letters (a, b, etc.), respectively.

EXAMPLE 1: A.5/4 is the reference to the answer of item 4 in table 5 of annex A.

EXAMPLE 2: A.6/3b is the reference to the second answer (i.e. in the second support column) of item 3 in table 6 of annex A.

A.1.3 Instructions for completing the PICS proforma

The supplier of the implementation shall complete the PICS proforma in each of the spaces provided using the notation described in subclause A.1.2.

Optional items in ETS 300 374-1 [1] are dealt with as follows:

- mandatory protocol items need to be supported by both operation invokers and responders;
- optional protocol items are optional for operation invokers, but mandatory for operation responders;
- network specific options are optional for both operation invokers and responders.

Table A.1 gives an overview of this rule tabular form.

Table A.1

Protocol item	Invoke request	Invoke indication
Mandatory	m	m
Optional	o	m
Network option	o	o

As a general rule, the ASN.1 "CHOICE" construct is indicated in the parameter tables:

- as an option (o.x) in the "Invoke request" column;
- as mandatory in the "Invoke indication" column.

When a (ASN.1) parameter which contains a "SIZE" field is not explicitly constrained in a table, then the complete size field has to be supported.

A.2 Identification of the implementation

Identification of the Implementation Under Test (IUT) and the system in which it resides (the System Under Test (SUT)) should be filled in so as to provide as much detail as possible regarding version numbers and configuration options.

The product supplier information and client information should both be filled in if they are different.

A person who can answer queries regarding information supplied in the PICS should be named as the contact person.

A.2.1 Date of the statement

.....

A.2.2 Implementation Under Test (IUT) identification

IUT name:

.....
.....

IUT version:

.....

A.2.3 System Under Test (SUT) identification

SUT name:

.....
.....

Hardware configuration:

.....
.....
.....

Operating system:

.....

A.2.4 Product supplier

Name:

.....

Address:

.....
.....
.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

A.2.5 Client

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

A.2.6 PICS contact person

Name:

.....

Telephone number:

.....

Facsimile number:

.....

E-mail address:

.....

Additional information:

.....

.....

.....

A.3 Identification of the protocol

This PICS proforma applies to the following standard:

ETS 300 374-1 (1994): "Intelligent Network (IN); Intelligent Network Capability Set 1 (CS1); Core Intelligent Network Application Protocol (INAP); Part 1: Protocol specification".

A.4 PICS proforma tables

An explicit answer shall be entered, in each of the support or supported column boxes provided, using the notation described in subclause A.1.2.

A.4.1 Global statement of conformance

Are all mandatory capabilities implemented? (Yes/No)

NOTE: Answering "No" to this question indicates non-conformance to the protocol specification. Non-supported mandatory capabilities are to be identified in this PICS, with an explanation of why the implementation is non-conforming, on pages attached to the PICS proforma.

A.4.2 Physical entities

Table A.2: Physical entities

Item	Name	Reference	Status	Support
1	SCP	4.2	o.1	
2	SSP	4.2	o.1	
3	IP	4.2	o.1	

o.1: Only one of these items shall be supported per completed PICS response.

Comments:

Table A.3: Capabilities

Item	Name	Reference	Status	Support
1	SSF-SRF-Relay-function	7.3.5	c301	
2	Assisting-SSP-capability	7.3.5 (note)	c302	
NOTE: See ETS 300 374-1 [1], figure 25 cases c) and e).				

c301: IF A.2/2 THEN o ELSE n/a

-- SSP

c302: IF (A.2/2 AND A.3/1) THEN o ELSE n/a

-- SSP AND SSF-SRF-Relay-function

Comments:

A.4.3 External interfaces

Table A.4: External interfaces

Item	Name	Reference	Status	Support
1	SCF-SSF	(note)	c401	
2	SCF-SRF	(note)	c402	
NOTE: It is assumed that the indicated external interfaces are between physical entities.				

c401: IF (A.2/1 OR A.2/2) THEN m ELSE n/a

-- SCP OR SSP

c402: IF A.2/1 THEN o

-- SCP

ELSE IF A.2/3 THEN m ELSE n/a

-- IP

Comments:

A.4.4 Application contexts

Table A.5: Application contexts

Item	Name	Reference	Initiator		Responder	
			Status	Support	Status	Support
1	Core-INAP-CS1-SSP-to-SCP-AC	6.5	c501		c502	
2	Core-INAP-CS1-assist-handoff-SSP-to-SCP-AC	6.5	c503		c506	
3	Core-INAP-CS1-IP-to-SCP-AC	6.5	c505		c504	
4	Core-INAP-CS1-SCP-to-SSP-AC	6.5	c506		c501	
5	Core-INAP-CS1-SCP-to-SSP-traffic-management-AC	6.5	c506		c501	
6	Core-INAP-CS1-SCP-to-SSP-service-management-AC	6.5	c506		c501	
7	Core-INAP-CS1-SSP-to-SCP-service-management-AC	6.5	c501		c506	

c501: IF A.2/2 THEN m ELSE n/a -- SSP
c502: IF A.2/1 THEN m ELSE n/a -- SCP
c503: IF A.3/2 THEN m ELSE n/a -- Assisting-SSP-capability
c504: IF (A.2/1 AND A.4/2) THEN m ELSE n/a -- SCP AND SCF-SRF
c505: IF A.2/3 THEN m ELSE n/a -- IP
c506: IF A.2/1 THEN o ELSE n/a -- SCP

Comments:

A.4.5 Operations

Table A.6: Application Service Elements (ASEs)

Item	Name	Reference	Invoke-Req		Invoke-Ind	
			Status	Support	Status	Support
1	initialDP	6.1, 6.4, 9.19	c601		c602	
2	assistRequestInstructions	6.1, 6.4, 9.5	c603		c604	
3	establishTemporaryConnection	6.1, 6.4, 9.15	c605		c606	
4	disconnectForwardConnection	6.1, 6.4, 9.14	c607		c608	
5	connectToResource	6.1, 6.4, 9.12	c607		c609	
6	connect	6.1, 6.4, 9.11	c610		c606	
7	releaseCall	6.1, 6.4, 9.23	c610		c608	
8	eventReportBCSM	6.1, 6.4, 9.17	c606		c605	
9	requestReportBCSMEvent	6.1, 6.4, 9.25	c605		c606	
10	eventNotificationCharging	6.1, 6.4, 9.16	c622		c605	
11	requestNotificationChargingEvent	6.1, 6.4, 9.24	c605		c622	
12	collectInformation	6.1, 6.4, 9.10	c610		c606	
13	continue	6.1, 6.4, 9.13	c610		c606	
14	initiateCallAttempt	6.1, 6.4, 9.20	c611		c612	
15	resetTimer	6.1, 6.4, 9.26	c613		c614	
16	furnishChargingInformation	6.1, 6.4, 9.18	c607		c623	
17	applyChargingReport	6.1, 6.4, 9.4	c623		c607	
18	applyCharging	6.1, 6.4, 9.3	c607		c623	
19	callGap	6.1, 6.4, 9.6	c615		c616	
20	serviceFilteringResponse	6.1, 6.4, 9.28	c618		c617	
21	activateServiceFiltering	6.1, 6.4, 9.1	c617		c618	
22	callInformationReport	6.1, 6.4, 9.7	c606		c605	
23	callInformationRequest	6.1, 6.4, 9.8	c605		c606	
24	sendChargingInformation	6.1, 6.4, 9.27	c605		c622	
25	specializedResourceReport	6.1, 6.4, 9.29	c619		c613	
26	playAnnouncement	6.1, 6.4, 9.21	c613		c619	
27	promptAndCollectUserInformation	6.1, 6.4, 9.22	c613		c619	
28	cancel	6.1, 6.4, 9.9	c613		c614	
29	activityTest	6.1, 6.4, 9.2	c613		c614	

c601: IF A.5/1a THEN m ELSE n/a	-- SSP-to-SCP-AC_Initiator
c602: IF A.5/1b THEN m ELSE n/a	-- SSP-to-SCP-AC_Responder
c603: IF A.5/2a	-- assist-handoff-SSP-to-SCP-AC_Initiator
OR A.5/3a THEN m ELSE n/a	-- IP-to-SCP-AC_Initiator
c604: IF A.5/2b	-- assist-handoff-SSP-to-SCP-AC_Responder
OR A.5/3b THEN m ELSE n/a	-- IP-to-SCP-AC_Responder
c605: IF A.5/1b	-- SSP-to-SCP-AC_Responder
OR A.5/4a THEN o ELSE n/a	-- SCP-to-SSP-AC_Initiator
c606: IF A.5/1a	-- SSP-to-SCP-AC_Initiator
OR A.5/4b THEN m ELSE n/a	-- SCP-to-SSP-AC_Responder
c607: IF A.5/1b	-- SSP-to-SCP-AC_Responder
OR A.5/2b	-- assist-handoff-SSP-to-SCP-AC_Responder
OR A.5/4a THEN o ELSE n/a	-- SCP-to-SSP-AC_Initiator
c608: IF A.5/1a	-- SSP-to-SCP-AC_Initiator
OR A.5/2a	-- assist-handoff-SSP-to-SCP-AC_Initiator
OR A.5/4b THEN m ELSE n/a	-- SCP-to-SSP-AC_Responder
c609: IF (A.5/1a AND A.3/1)	-- SSP-to-SCP-AC_Initiator AND SSF-SRF-Relay-function
OR A.5/2a	-- assist-handoff-SSP-to-SCP-AC_Initiator
OR (A.5/4b AND A.3/1) THEN m ELSE n/a	-- SCP-to-SSP-AC_Responder AND SSF-SRF-Relay-function
c610: IF A.5/1b	-- SSP-to-SCP-AC_Responder
OR A.5/4a THEN o.1 ELSE n/a	-- SCP-to-SSP-AC_Initiator
c611: IF A.5/4a THEN m ELSE n/a	-- SCP-to-SSP-AC_Initiator
c612: IF A.5/4b THEN m ELSE n/a	-- SCP-to-SSP-AC_Responder
c613: IF A.5/1b	-- SSP-to-SCP-AC_Responder
OR A.5/2b	-- assist-handoff-SSP-to-SCP-AC_Responder
OR A.5/3b	-- IP-to-SCP-AC_Responder
OR A.5/4a THEN o ELSE n/a	-- SCP-to-SSP-AC_Initiator
c614: IF A.5/1a	-- SSP-to-SCP-AC_Initiator
OR A.5/2a	-- assist-handoff-SSP-to-SCP-AC_Initiator
OR A.5/3a	-- IP-to-SCP-AC_Initiator
OR 5/4b THEN m ELSE n/a	-- SCP-to-SSP-AC_Responder
c615: IF A.5/1b	-- SSP-to-SCP-AC_Responder
OR A.5/5a THEN m ELSE n/a	-- SCP-to-SSP-traffic-management-AC_Initiator
c616: IF A.5/1a	-- SSP-to-SCP-AC_Initiator
OR A.5/5b THEN m ELSE n/a	-- SCP-to-SSP-traffic-management-AC_Responder
c617: IF A.5/6a	-- SCP-to-SSP-service-management-AC_Initiator
OR A.5/7b THEN m ELSE n/a	-- SSP-to-SCP-service-management-AC_Responder
c618: IF A.5/6b	-- SCP-to-SSP-service-management-AC_Responder
OR A.5/7a THEN m ELSE n/a	-- SSP-to-SCP-service-management-AC_Initiator
c619: IF (A.5/1a AND A.3/1)	-- SSP-to-SCP-AC_Initiator AND SSF-SRF-Relay-function
OR A.5/2a	-- assist-handoff-SSP-to-SCP-AC_Initiator
OR A.5/3a	-- IP-to-SCP-AC_Initiator
OR (5/4b AND A.3/1) THEN m ELSE n/a	-- SCP-to-SSP-AC_Responder AND SSF-SRF-Relay-function
c622: IF A.5/1a	-- SSP-to-SCP-AC_Initiator
OR 5/4b THEN o ELSE n/a	-- SCP-to-SSP-AC_Responder
c623: IF A.5/1a	-- SSP-to-SCP-AC_Initiator
OR A.5/2a	-- assist-handoff-SSP-to-SCP-AC_Initiator
OR 5/4b THEN o ELSE n/a	-- SCP-to-SSP-AC_Responder

o.1: At least one of the options shall be supported.

Comments:

A.4.6 Arguments, results and errors

A.4.6.1 ActivateServiceFiltering

Table A.7: ActivateServiceFiltering invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication				
			Status	Support	Value		Status	Support	Value		
					Allowed	Supported			Allowed	Supported	
1	filteredCallTreatment	6.3	c701					c702			
2	sfBillingChargingCharacteristics	6.3	c703					c704			
3	informationToSend	6.3	c705					c704			
4	inbandInfo	6.3	c706					c707			
5	messageID	6.3	c736					c709			
6	elementaryMessageID	6.3	c710			0..2 ³¹ -1		c711		0..2 ³¹ -1	
7	text	6.3	c710					c711			
8	messageContent	6.3	c712					c713			
9	attributes	6.3	c714					c715			
10	elementaryMessageIDs	6.3	c710					c711			
11	variableMessage	6.3	c710					c711			
12	integer	6.3	c716			0..2 ³¹ -1		c717		0..2 ³¹ -1	
13	number	6.3	c716					c717			
14	time	6.3	c716					c717			
15	date	6.3	c716					c717			
16	price	6.3	c716					c717			
17	numberOfRepetitions	6.3	c708			1..127		c709		1..127	
18	duration	6.3	c708			0..2 ¹⁵ -1		c709		0..2 ¹⁵ -1	
19	interval	6.3	c708			0..2 ¹⁵ -1		c709		0..2 ¹⁵ -1	
20	tone	6.3	c706					c707			
21	toneID	6.3	c718			0..2 ³¹ -1		c719		0..2 ³¹ -1	
22	duration	6.3	c720			0..2 ³¹ -1		c719		0..2 ³¹ -1	
23	displayInformation	6.3	c706					c707			
24	maximumNumberOfCounters	6.3	c703			1..100		c704		1..100	
25	releaseCause	6.3	c703					c704			
26	filteringCharacteristics	6.3	c701					c702			
27	interval	6.3	c722			-1..32 000		c723		-1..32 000	
28	numberOfCalls	6.3	c722			0..2 ³¹ -1		c723		0..2 ³¹ -1	
29	filteringTimeOut	6.3	c701					c702			
30	duration	6.3	c724			-2..86 400		c725		-2..86 400	
31	stopTime	6.3	c724					c725			

(continued)

Table A.7 (concluded): ActivateServiceFiltering invocation arguments

Item	Name	Reference	Invoke-Request			Invoke-Indication				
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
32	filteringCriteria	6.3	c701				c702			
33	serviceKey	6.3	c726		0..2 ³¹ -1		c727		0..2 ³¹ -1	
34	addressAndService	6.3	c726				c727			
35	calledAddressValue	6.3	c728				c729			
36	serviceKey	6.3	c728		0..2 ³¹ -1		c729		0..2 ³¹ -1	
37	callingAddressValue	6.3	c730				c729			
38	locationNumber	6.3	c730				c729			
39	startTime	6.3	c731				c702			
40	extensions	6.3	c731				c732			
41	type	6.3	c733				c734			
42	criticality	6.3	c735		0, 1		c734		0, 1	
43	value	6.3	c733				c734			

c701: IF A.6/21a THEN m ELSE n/a
c702: IF A.6/21b THEN m ELSE n/a
c703: IF A.7/1a THEN m ELSE n/a
c704: IF A.7/1b THEN m ELSE n/a
c705: IF A.7/1a THEN o ELSE n/a
c706: IF A.7/3a THEN o.1 ELSE n/a
c707: IF A.7/3b THEN o.1 ELSE n/a
c708: IF A.7/4a THEN o ELSE n/a
c709: IF A.7/4b THEN m ELSE n/a
c710: IF A.7/5a THEN o.2 ELSE n/a
c711: IF A.7/5b THEN o.2 ELSE n/a
c712: IF A.7/7a THEN m ELSE n/a
c713: IF A.7/7b THEN m ELSE n/a
c714: IF A.7/7a THEN o ELSE n/a
c715: IF A.7/7b THEN o ELSE n/a
c716: IF A.7/11a- THEN o.3 ELSE n/a
c717: IF A.7/11b THEN o.3 ELSE n/a
c718: IF A.7/20a THEN m ELSE n/a

-- ActivateServiceFiltering-Invoker
-- ActivateServiceFiltering-Responder

c719: IF A.7/20b THEN m ELSE n/a
c720: IF A.7/20a THEN o ELSE n/a
c722: IF A.7/26a THEN o.4 ELSE n/a
c723: IF A.7/26b THEN m ELSE n/a
c724: IF A.7/29a THEN o.5 ELSE n/a
c725: IF A.7/29b THEN m ELSE n/a
c726: IF A.7/32a THEN o.6 ELSE n/a
c727: IF A.7/32b THEN o.6 ELSE n/a
c728: IF A.7/34a THEN m ELSE n/a
c729: IF A.7/34b THEN m ELSE n/a
c730: IF A.7/34a THEN o ELSE n/a
c731: IF A.6/21a THEN o ELSE n/a
c732: IF A.6/21b THEN o ELSE n/a
c733: IF A.7/40a THEN m ELSE n/a
c734: IF A.7/40b THEN m ELSE n/a
c735: IF A.7/40a THEN o ELSE n/a
c736: IF A.7/4a THEN m ELSE n/a

-- ActivateServiceFiltering-Invoker
-- ActivateServiceFiltering-Responder

- o.1: At least one of the options shall be supported.
- o.2: At least one of the options shall be supported; this deviates from the general rule as stated in A.1.3.
- o.3: At least one of the options shall be supported.
- o.4: At least one of the options shall be supported.
- o.5: At least one of the options shall be supported.
- o.6: At least one of the options shall be supported; this deviates from the general rule as stated in A.1.3.

Comments:

Table A.8: ActivateServiceFiltering errors

Item	Name	Reference	Status	Support
1	missingParameter	6.2	c801	
2	parameterOutOfRange	6.2	c801	
3	systemFailure	6.2	c801	
4	taskRefused	6.2	c801	
5	unexpectedComponentSequence	6.2	c801	
6	unexpectedParameter	6.2	c801	

c801: IF A.6/21a THEN m
 ELSE IF A.6/21b THEN o ELSE n/a

-- ActivateServiceFiltering-Invoker
 -- ActivateServiceFiltering-Responder

Comments:

A.4.6.2 ActivityTest

For the operation ActivityTest there are no invocation arguments, no result arguments and no errors.

A.4.6.3 ApplyCharging

Table A.9: ApplyCharging invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	aChBillingCharacteristics	6.3	c901				c902			
2	sendCalculationToSCPIInvocation	6.3	c901		True		c902		True	
3	partyToCharge	6.3	c903				c902			
4	sendingSideID	6.3	c904		'01'H, '02'H		c905		'01'H, '02'H	
5	extensions	6.3	c903				c906			
6	type	6.3	c907				c908			
7	criticality	6.3	c909		0, 1		c908		0, 1	
8	value	6.3	c907				c908			

c901: IF A.6/18a THEN m ELSE n/a
 c902: IF A.6/18b THEN m ELSE n/a
 c903: IF A.6/18a THEN o ELSE n/a
 c904: IF A.9/3a THEN m ELSE n/a
 c905: IF A.9/3b THEN m ELSE n/a

-- ApplyCharging-Invoker
 -- ApplyCharging-Responder
 -- ApplyCharging-Invoker

c906: IF A.6/18b THEN o ELSE n/a
 c907: IF A.9/5a THEN m ELSE n/a
 c908: IF A.9/5b THEN m ELSE n/a
 c909: IF A.9/5a THEN o ELSE n/a

-- ApplyCharging-Responder

Comments:

Table A.10: ApplyCharging errors

Item	Name	Reference	Status	Support
1	missingParameter	6.2	c1001	
2	unexpectedComponentSequence	6.2	c1001	
3	unexpectedParameter	6.2	c1001	
4	unexpectedDataValue	6.2	c1001	
5	parameterOutOfRange	6.2	c1001	
6	systemFailure	6.2	c1001	
7	taskRefused	6.2	c1001	

c1001: IF A.6/18b THEN o
 ELSE IF A.6/18a THEN m ELSE n/a

-- ApplyCharging-Responder
 -- ApplyCharging-Invoker

Comments:

A.4.6.4 ApplyChargingReport

Table A.11: ApplyChargingReport invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	callResult	6.3	c1101				c1102			

c1101: IF A.6/17a THEN m ELSE n/a
c1102: IF A.6/17b THEN m ELSE n/a

-- ApplyChargingReport-Invoker
-- ApplyChargingReport-Responder

Comments:

Table A.12: ApplyChargingReport errors

Item	Name	Reference	Status	Support
1	missingParameter	6.2	c1201	
2	unexpectedComponentSequence	6.2	c1201	
3	unexpectedParameter	6.2	c1201	
4	unexpectedDataValue	6.2	c1201	
5	parameterOutOfRange	6.2	c1201	
6	systemFailure	6.2	c1201	
7	taskRefused	6.2	c1201	

c1201: IF A.6/17b THEN o
ELSE IF A.6/17a THEN m ELSE n/a

-- ApplyChargingReport-Responder
-- ApplyChargingReport-Invoker

Comments:

A.4.6.5 AssistRequestInstructions

Table A.13: AssistRequestInstructions invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	correlationID	6.3	c1301				c1303			
2	iPAvailable	6.3	c1302				c1304			
3	iPSSPCapabilities	6.3	c1302				c1304			
4	extensions	6.3	c1302				c1304			
5	type	6.3	c1305				c1306			
6	criticality	6.3	c1307			0, 1	c1306		0, 1	
7	value	6.3	c1305				c1306			

c1301: IF A.6/2a THEN m ELSE n/a
 c1302: IF A.6/2a THEN o ELSE n/a
 c1303: IF A.6/2b THEN m ELSE n/a
 c1304: IF A.6/2b THEN o ELSE n/a

-- AssistRequestInstructions-Invoker
 -- AssistRequestInstructions-Invoker
 -- AssistRequestInstructions-Responder
 -- AssistRequestInstructions-Responder

c1305: IF A.13/4a THEN m ELSE n/a
 c1306: IF A.13/4b THEN m ELSE n/a
 c1307: IF A.13/4a THEN o ELSE n/a

Comments:

Table A.14: AssistRequestInstructions errors

Item	Name	Reference	Status	Support
1	missingCustomerRecord	6.2	c1401	
2	missingParameter	6.2	c1401	
3	taskRefused	6.2	c1401	
4	unexpectedComponentSequence	6.2	c1401	
5	unexpectedDataValue	6.2	c1401	
6	unexpectedParameter	6.2	c1401	

c1401: IF A.6/2b THEN o
 ELSE IF A.6/2a THEN m ELSE n/a

-- AssistRequestInstructions-Responder
 -- AssistRequestInstructions-Invoker

Comments:

A.4.6.6 CallGap

Table A.15: CallGap invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	gapCriteria	6.3	c1506				c1502			
2	calledAddressValue	6.3	c1501				c1532			
3	gapOnService	6.3	c1501				c1532			
4	serviceKey	6.3	c1531		0..2 ³¹ -1		c1532		0..2 ³¹ -1	
5	calledAddressAndService	6.3	c1501				c1532			
6	calledAddressValue	6.3	c1533				c1532			
7	serviceKey	6.3	c1533		0..2 ³¹ -1		c1532		0..2 ³¹ -1	
8	callingAddressAndService	6.3	c1501				c1532			
9	callingAddressValue	6.3	c1503				c1504			
10	serviceKey	6.3	c1503				c1504			
11	locationNumber	6.3	c1505				c1504			
12	gapIndicators	6.3	c1506				c1502			
13	duration	6.3	c1506		-2..86 400		c1502		-2..86 400	
14	gapInterval	6.3	c1506		-1..60 000		c1502		-1..60 000	
15	controlType	6.3	c1507		0..1		c1502		0..1	
16	gapTreatment	6.3	c1507				c1502			
17	informationToSend	6.3	c1508				c1502			
18	inbandInfo	6.3	c1509				c1510			
19	messageID	6.3	c1511				c1512			
20	elementaryMessageID	6.3	c1513		0..2 ³¹ -1		c1514		0..2 ³¹ -1	
21	text	6.3	c1513				c1514			
22	messageContent	6.3	c1515				c1516			
23	attributes	6.3	c1517				c1516			
24	elementaryMessageIDs	6.3	c1513		0..2 ³¹ -1		c1514		0..2 ³¹ -1	
25	variableMessage	6.3	c1513				c1514			
26	elementaryMessageID	6.3	c1518		0..2 ³¹ -1		c1519		0..2 ³¹ -1	
27	integer	6.3	c1520		0..2 ³¹ -1		c1521		0..2 ³¹ -1	
28	number	6.3	c1520				c1521			
29	time	6.3	c1520				c1521			
30	date	6.3	c1520				c1521			
31	price	6.3	c1520				c1521			
32	numberOfRepetitions	6.3	c1522		1..127		c1523		1..127	

(continued)

Table A.15 (concluded): CallGap invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
33	duration	6.3	c1522		0..2 ¹⁵ -1		c1523		0..2 ¹⁵ -1	
34	interval	6.3	c1522		0..2 ¹⁵ -1		c1523		0..2 ¹⁵ -1	
35	tone	6.3	c1509				c1510			
36	toneID	6.3	c1524		0..2 ³¹ -1		c1525		0..2 ³¹ -1	
37	duration	6.3	c1526		0..2 ³¹ -1		c1525		0..2 ³¹ -1	
38	displayInformation	6.3	c1509				c1510			
39	releaseCause	6.3	c1508				c1502			
40	both	6.3	c1508		(note)		c1502			
41	extensions	6.3	c1507				c1527			
42	type	6.3	c1528				c1530			
43	criticality	6.3	c1529				c1530			
44	value	6.3	c1528				c1530			

NOTE: The reply for the individual informationToSend and individual releaseCause parameters is also applicable for the informationToSend and releaseCause parameters in the both construct.

c1501: IF A.15/1a THEN o.1 ELSE n/a
c1502: IF A.6/19b THEN m ELSE n/a -- CallGap-Responder
c1503: IF A.15/8a THEN m ELSE n/a
c1504: IF A.15/8b THEN m ELSE n/a
c1505: IF A.15/8a THEN o ELSE n/a
c1506: IF A.6/19a THEN m ELSE n/a -- CallGap-Invoker
c1507: IF A.6/19a THEN o ELSE n/a -- CallGap-Invoker
c1508: IF A.15/16a THEN o.3 ELSE n/a
c1509: IF A.15/17a THEN o.4 ELSE n/a
c1510: IF A.15/17b THEN o.5 ELSE n/a
c1511: IF A.15/18a THEN m ELSE n/a
c1512: IF A.15/18b THEN m ELSE n/a
c1513: IF A.15/19a THEN o.6 ELSE n/a
c1514: IF A.15/19b THEN o.7 ELSE n/a
c1515: IF A.15/21a THEN m ELSE n/a
c1516: IF A.15/21b THEN m ELSE n/a
c1517: IF A.15/21a THEN o ELSE n/a

c1518: IF A.15/25a THEN m ELSE n/a
c1519: IF A.15/25b THEN m ELSE n/a
c1520: IF A.15/25a THEN o.7 ELSE n/a
c1521: IF A.15/25b THEN m ELSE n/a
c1522: IF A.15/18a THEN o ELSE n/a
c1523: IF A.15/18b THEN m ELSE n/a
c1524: IF A.15/35a THEN m ELSE n/a
c1525: IF A.15/35b THEN m ELSE n/a
c1526: IF A.15/35a THEN o ELSE n/a
c1527: IF A.6/19b THEN o ELSE n/a -- CallGap-Responder
c1528: IF A.15/41a THEN m ELSE n/a
c1529: IF A.15/41a THEN o ELSE n/a
c1530: IF A.15/41b THEN m ELSE n/a
c1531: IF A.15/3a THEN m ELSE n/a
c1532: IF A.15/1b THEN o.2 ELSE n/a
c1533: IF A.15/5a THEN m ELSE n/a

- o.1: At least one of the options shall be supported.
- o.2: At least one of the options shall be supported.
- o.3: At least one of the options shall be supported.
- o.4: At least one of the options shall be supported.
- o.5: At least one of the options shall be supported.
- o.6: At least one of the options shall be supported.
- o.7: At least one of the options shall be supported.

Comments:

A.4.6.7 CallInformationReport

Table A.16: CallInformationReport invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	requestedInformationList	6.3 (note)	c1601				c1605			
2	extensions	6.3	c1602				c1606			
3	type	6.3	c1603				c1607			
4	criticality	6.3	c1604		0, 1		c1607		0, 1	
5	value	6.3	c1603				c1607			
NOTE: As CallInformationReport is the response to a previous CallInformationRequest, the CallInformationReport-Invoker shall support all possible values of requestedInformationList.										

c1601: IF A.6/22a THEN m ELSE n/a
 c1602: IF A.6/22a THEN o ELSE n/a
 c1603: IF A.16/2a THEN m ELSE n/a
 c1604: IF A.16/2a THEN o ELSE n/a

-- CallInformationReport-Invoker
 -- CallInformationReport-Invoker

c1605: IF A.6/22b THEN m ELSE n/a
 c1606: IF A.6/22b THEN o ELSE n/a
 c1607: IF A.16/2b THEN m ELSE n/a

-- CallInformationReport-Responder
 -- CallInformationReport-Responder

Comments:

A.4.6.8 CallInformationRequest

Table A.17: CallInformationRequest invocation arguments

Item	Name	Reference	Invoke-Request			Invoke-Indication				
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	requestedInformationTypeList	6.3	c1701		0..3, 30		c1705		0..3, 30	
2	extensions	6.3	c1702				c1706			
3	type	6.3	c1703				c1707			
4	criticality	6.3	c1704		0, 1		c1707		0, 1	
5	value	6.3	c1703				c1707			

c1701: IF A.6/23a THEN m ELSE n/a
 c1702: IF A.6/23a THEN o ELSE n/a
 c1703: IF A.17/4a THEN m ELSE n/a
 c1704: IF A.17/4a THEN o ELSE n/a

-- CallInformationRequest-Invoker
 -- CallInformationRequest-Invoker

c1705: IF A.6/23b THEN m ELSE n/a
 c1706: IF A.6/23b THEN o ELSE n/a
 c1707: IF A.17/4b THEN m ELSE n/a

-- CallInformationRequest-Responder
 -- CallInformationRequest-Responder

Comments:

Table A.18: CallInformationRequest errors

Item	Name	Reference	Status	Support
1	missingParameter	6.2	c1801	
2	parameterOutOfRange	6.2	c1801	
3	requestedInfoError	6.2	c1801	
4	systemFailure	6.2	c1801	
5	taskRefused	6.2	c1801	
6	unexpectedComponentSequence	6.2	c1801	
7	unexpectedParameter	6.2	c1801	

c1801: IF A.6/23b THEN o
 ELSE IF A.6/23a THEN m ELSE n/a

-- CallInformationRequest-Responder
 -- CallInformationRequest-Invoker

Comments:

A.4.6.9 Cancel

Table A.19: Cancel invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	invokeID	6.3	c1901		-128..127		c1902		-128..127	
2	allRequests	6.3	c1901				c1902			

c1901: IF A.6/28a THEN o.1 ELSE n/a -- Cancel-Invoker
 c1902: IF A.6/28b THEN m ELSE n/a -- Cancel-Responder

o.1: At least one of the options shall be supported.

Comments:

Table A.20: Cancel errors

Item	Name	Reference	Status	Support
1	cancelFailed	6.2	c2001	

c2001: IF A.6/28a THEN o -- Cancel-Invoker
 ELSE IF A.6/28b THEN m ELSE n/a -- Cancel-Responder

Comments:

A.4.6.10 CollectInformation

Table A.21: CollectInformation invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	extensions	6.3	c2101				c2102			
2	type	6.3	c2103				c2104			
3	criticality	6.3	c2105		0, 1		c2104		0, 1	
4	value	6.3	c2103				c2104			

c2101: IF A.6/12a THEN o ELSE n/a
 c2102: IF A.6/12b THEN m ELSE n/a
 c2103: IF A.21/1a THEN m ELSE n/a
 c2104: IF A.21/1b THEN m ELSE n/a
 c2105: IF A.21/1a THEN o ELSE n/a

-- CollectInformation-Invoker
 -- CollectInformation-Responder

Comments:

Table A.22: CollectInformation errors

Item	Name	Reference	Status	Support
1	systemFailure	6.3	c2201	
2	taskRefused	6.3	c2201	
3	unexpectedComponentSequence	6.3	c2201	
4	missingParameter	6.3	c2202	
5	unexpectedDataValue	6.3	c2202	
6	unexpectedParameter	6.3	c2202	

c2201: IF A.6/12b THEN o
 ELSE IF A.6/12a THEN m ELSE n/a
 c2202: IF A.6/12b THEN o
 ELSE IF A.6/12a THEN o ELSE n/a

-- CollectInformation-Responder
 -- CollectInformation-Invoker
 -- CollectInformation-Responder
 -- CollectInformation-Invoker

Comments:

A.4.6.11 Connect

Table A.23: Connect invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	destinationRoutingAddress	6.3	c2301				c2302			
2	alertingPattern	6.3	c2303				c2302			
3	correlationID	6.3	c2303				c2302			
4	cutAndPaste	6.3	c2303		0..22		c2302		0..22	
5	originalCalledPartyID	6.3	c2303				c2302			
6	routeList	6.3	c2303				c2302			
7	scfID	6.3	c2303				c2302			
8	extensions	6.3	c2303				c2304			
9	type	6.3	c2305				c2306			
10	criticality	6.3	c2307		0, 1		c2306		0, 1	
11	value	6.3	c2305				c2306			
12	serviceInteractionIndicators	6.3	c2303				c2304			
13	callingPartyNumber	6.3	c2303				c2302			
14	callingPartysCategory	6.3	c2303				c2302			
15	redirectingPartyID	6.3	c2303				c2302			
16	redirectionInformation	6.3	c2303				c2302			

c2301: IF A.6/6a THEN m ELSE n/a -- Connect-Invoker
 c2302: IF A.6/6b THEN m ELSE n/a -- Connect-Responder
 c2303: IF A.6/6a THEN o ELSE n/a -- Connect-Invoker
 c2304: IF A.6/6b THEN o ELSE n/a -- Connect-Responder

c2305: IF A.23/8a THEN m ELSE n/a
 c2306: IF A.23/8b THEN m ELSE n/a
 c2307: IF A.23/8a THEN o ELSE n/a

Comments:

Table A.24: Connect errors

Item	Name	Reference	Status	Support
1	missingParameter	6.2	c2401	
2	systemFailure	6.2	c2401	
3	taskRefused	6.2	c2401	
4	unexpectedComponentSequence	6.2	c2401	
5	unexpectedDataValue	6.2	c2401	
6	unexpectedParameter	6.2	c2401	

c2401: IF A.6/6b THEN o
 ELSE IF A.6/6a THEN m ELSE n/a

-- Connect-Responder
 -- Connect-Invoker

Comments:

A.4.6.12 ConnectToResource

Table A.25: ConnectToResource invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication				
			Status	Support	Value		Status	Support	Value		
					Allowed	Supported			Allowed	Supported	
1	iPRoutingAddress	6.3	c2501					c2502			
2	none	6.3	c2501					c2502			
3	extensions	6.3	c2503					c2504			
4	type	6.3	c2505					c2506			
5	criticality	6.3	c2507		0, 1			c2506		0, 1	
6	value	6.3	c2505					c2506			
7	serviceInteractionIndicators	6.3	c2503					c2504			

c2501: IF A.6/5a THEN o.1 ELSE n/a
 c2502: IF A.6/5b THEN o.2 ELSE n/a
 c2503: IF A.6/5a THEN o ELSE n/a
 c2504: IF A.6/5b THEN o ELSE n/a

-- ConnectToResource-Invoker
 -- ConnectToResource-Responder
 -- ConnectToResource-Invoker
 -- ConnectToResource-Responder

c2505: IF A.25/3a THEN m ELSE n/a
 c2506: IF A.25/3b THEN m ELSE n/a
 c2507: IF A.25/3a THEN o ELSE n/a

- o.1: At least one of the options shall be supported.
- o.2: At least one of the options shall be supported; this deviates from the general rule as stated in A.1.3.

Comments:

Table A.26: ConnectToResource errors

Item	Name	Reference	Status	Support
1	missingParameter	6.3	c2601	
2	systemFailure	6.3	c2601	
3	taskRefused	6.3	c2601	
4	unexpectedComponentSequence	6.3	c2601	
5	unexpectedDataValue	6.3	c2601	
6	unexpectedParameter	6.3	c2601	

c2601: IF A.6/5b THEN o
 ELSE IF A.6/5a THEN m ELSE n/a

-- ConnectToResource-Responder
 -- ConnectToResource-Invoker

Comments:

A.4.6.13 Continue

For the operation Continue there are no invocation arguments, no results and no errors.

A.4.6.14 DisconnectForwardConnection

Table A.27: DisconnectForwardConnection errors

Item	Name	Reference	Status	Support
1	systemFailure	6.2	c2701	
2	taskRefused	6.2	c2701	
3	unexpectedComponentSequence	6.2	c2701	

c2701: IF A.6/4a THEN m
ELSE IF A.6/4b THEN o ELSE n/a

-- DisconnectForwardConnection-Invoker
-- DisconnectForwardConnection-Responder

Comments:

A.4.6.15 EstablishTemporaryConnection

Table A.28: EstablishTemporaryConnection invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	assistingSSPIPRoutingAddress	6.3	c2801				c2802			
2	correlationID	6.3	c2803				c2802			
3	scfID	6.3	c2803				c2802			
4	extensions	6.3	c2803				c2802			
5	type	6.3	c2805				c2806			
6	criticality	6.3	c2807		0, 1		c2806		0, 1	
7	value	6.3	c2805				c2806			
8	serviceInteractionIndicators	6.3	c2803				c2804			

c2801: IF A.6/3a THEN m ELSE n/a
c2802: IF A.6/3b THEN m ELSE n/a
c2803: IF A.6/3a THEN o ELSE n/a
c2804: IF A.6/3b THEN o ELSE n/a

-- EstablishTemporaryConnection-Invoker
-- EstablishTemporaryConnection-Responder
-- EstablishTemporaryConnection-Invoker
-- EstablishTemporaryConnection-Responder

c2805: IF A.28/4a THEN m ELSE n/a
c2806: IF A.28/4b THEN m ELSE n/a
c2807: IF A.28/4a THEN o ELSE n/a

Comments:

Table A.29: EstablishTemporaryConnection errors

Item	Name	Reference	Status	Support
1	eTCFailed	6.2	c2901	
2	missingParameter	6.2	c2901	
3	systemFailure	6.2	c2901	
4	taskRefused	6.2	c2901	
5	unexpectedComponentSequence	6.2	c2901	
6	unexpectedDataValue	6.2	c2901	
7	unexpectedParameter	6.2	c2901	

c2901: IF A.6/3a THEN m
 ELSE IF A.6/3b THEN o ELSE n/a

-- EstablishTemporaryConnection-Invoker
 -- EstablishTemporaryConnection-Responder

Comments:

A.4.6.16 EventNotificationCharging

Table A.30: EventNotificationCharging invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication				
			Status	Support	Value		Status	Support	Value		
					Allowed	Supported			Allowed	Supported	
1	eventTypeCharging	6.3	c3001					c3002			
2	eventSpecificInformationCharging	6.3	c3003					c3004			
3	legID	6.3	c3003					c3002			
4	receivingSidelD	6.3	c3005			'01'H, '02'H		c3006		'01'H, '02'H	
5	monitorMode	6.3	c3003			0, 1		c3002		0, 1	
6	extensions	6.3	c3003					c3004			
7	type	6.3	c3007					c3008			
8	criticality	6.3	c3009			0, 1		c3008		0, 1	
9	value	6.3	c3007					c3008			

c3001: IF A.6/10a THEN m ELSE n/a
 c3002: IF A.6/10b THEN m ELSE n/a
 c3003: IF A.6/10a THEN o ELSE n/a
 c3004: IF A.6/10b THEN o ELSE n/a
 c3005: IF A.30/3a THEN m ELSE n/a

-- EventNotificationCharging-Invoker
 -- EventNotificationCharging-Responder
 -- EventNotificationCharging-Invoker
 -- EventNotificationCharging-Responder

c3006: IF A.30/3b THEN m ELSE n/a
 c3007: IF A.30/6a THEN m ELSE n/a
 c3008: IF A.30/6b THEN m ELSE n/a
 c3009: IF A.30/6a THEN o ELSE n/a

Comments:

A.4.6.17 EventReportBCSM

Table A.31: EventReportBCSM invocation arguments

Item	Name	Reference	Invoke-Request			Invoke-Indication				
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	eventTypeBCSM	6.3	c3101		2..10, 13..18		c3102		2..10, 13..18	
2	eventSpecificInformationBCSM	6.3	c3103				c3102			
3	routeSelectFailureSpecificInfo	6.3	c3104				c3105			
4	oCalledPartyBusySpecificInfo	6.3	c3104				c3105			
5	oDisconnectSpecificInfo	6.3	c3104				c3105			
6	tCalledPartyBusySpecificInfo	6.3	c3104				c3105			
7	tDisconnectSpecificInfo	6.3	c3104				c3105			
8	legID	6.3	c3103				c3106			
9	receivingSidelD	6.3	c3107		'01'H, '02'H		c3108		'01'H, '02'H	
10	miscCallInfo	6.3	c3103		0, 1		c3102		0, 1	
11	extensions	6.3	c3103				c3106			
12	type	6.3	c3111				c3112			
13	criticality	6.3	c3113		0, 1		c3112		0, 1	
14	value	6.3	c3111				c3112			

c3101: IF A.6/8a THEN m ELSE n/a -- EventReportBCSM-Invoker
 c3102: IF A.6/8b THEN m ELSE n/a -- EventReportBCSM-Responder
 c3103: IF A.6/8a THEN o ELSE n/a -- EventReportBCSM-Invoker
 c3104: IF A.31/2a THEN o.1 ELSE n/a
 c3105: IF A.31/2b THEN m ELSE n/a
 c3106: IF A.6/8b THEN o ELSE n/a -- EventReportBCSM-Responder

c3107: IF A.31/8a THEN o.1 ELSE n/a
 c3108: IF A.31/8b THEN m ELSE n/a
 c3109: IF A.31/11a THEN m ELSE n/a
 c3110: IF A.31/11b THEN m ELSE n/a
 c3111: IF A.31/11a THEN o ELSE n/a

o.1: At least one of the options shall be supported.

Comments:

A.4.6.18 FurnishChargingInformation

Table A.32: FurnishChargingInformation invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	FCBillingChargingCharacteristics	6.3	c3201				c3202			

c3201: IF A.6/16a THEN m ELSE n/a
 c3202: IF A.6/16b THEN m ELSE n/a

-- FurnishChargingInformation-Invoker
 -- FurnishChargingInformation-Responder

Comments:

Table A.33: FurnishChargingInformation errors

Item	Name	Reference	Status	Support
1	missingParameter	6.2	c3301	
2	taskRefused	6.2	c3301	
3	unexpectedComponentSequence	6.2	c3301	
4	unexpectedDataValue	6.2	c3301	
5	unexpectedParameter	6.2	c3301	

c3301: IF A.6/16b THEN o
 ELSE IF A.6/16a THEN m ELSE n/a

-- FurnishChargingInformation-Responder
 -- FurnishChargingInformation-Invoker

Comments:

A.4.6.19 InitialDP

Table A.34: InitialDP invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication					
			Status	Support	Value		Status	Support	Value			
					Allowed	Supported			Allowed	Supported		
1	serviceKey	6.3	c3401			0..2 ³¹ -1		c3403			0..2 ³¹ -1	
2	calledPartyNumber	6.3	c3402					c3403				
3	callingPartyNumber	6.3	c3402					c3403				
4	callingPartysCategory	6.3	c3402					c3403				
5	cGEncountered	6.3	c3402			1..2		c3404			1..2	
6	iPSSPCapabilities	6.3	c3402					c3404				
7	iPAvailable	6.3	c3402					c3404				
8	locationNumber	6.3	c3402					c3403				
9	originalCalledPartyID	6.3	c3402					c3404				
10	extensions	6.3	c3402					c3404				
11	type	6.3	c3406					c3406				
12	criticality	6.3	c3407			0, 1		c3406			0, 1	
13	value	6.3	c3405					c3406				
14	highLayerCompatibility	6.3	c3402					c3403				
15	serviceInteractionIndicators	6.3	c3402					c3404				
16	additionalCallingPartyNumber	6.3	c3402					c3403				
17	forwardCallIndicators	6.3	c3402					c3403				
18	bearerCapability	6.3	c3402					c3403				
19	eventTypeBCSM	6.3	c3402			1..10, 12..18		c3403			1..10, 12..18	
20	redirectingPartyID	6.3	c3402					c3403				
21	redirectionInformation	6.3	c3402					c3403				

c3401: IF A.6/1a THEN m ELSE n/a -- InitialDP-Invoker
 c3402: IF A.6/1a THEN o ELSE n/a -- InitialDP-Invoker
 c3403: IF A.6/1b THEN m ELSE n/a -- InitialDP-Responder
 c3404: IF A.6/1b THEN o ELSE n/a -- InitialDP-Responder
 c3405: IF A.34/10a THEN m ELSE n/a
 c3406: IF A.34/10b THEN m ELSE n/a
 c3407: IF A.34/10a THEN o ELSE n/a

Comments:

Table A.35: InitialDP errors

Item	Name	Reference	Status	Support
1	missingCustomerRecord	6.2	c3501	
2	missingParameter	6.2	c3501	
3	systemFailure	6.2	c3501	
4	taskRefused	6.2	c3501	
5	unexpectedComponentSequence	6.2	c3501	
6	unexpectedDataValue	6.2	c3501	
7	unexpectedParameter	6.2	c3501	

c3501: IF A.6/1b THEN o
ELSE IF A.6/1a THEN m ELSE n/a

-- InitialDP-Responder
-- InitialDP-Invoker

Comments:

A.4.6.20 InitiateCallAttempt

Table A.36: InitiateCallAttempt invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	destinationRoutingAddress	6.3	c3601				c3602			
2	alertingPattern	6.3	c3603				c3602			
3	extensions	6.3	c3603				c3607			
4	type	6.3	c3604				c3605			
5	criticality	6.3	c3606		0, 1		c3605		0, 1	
6	value	6.3	c3604				c3605			
7	serviceInteractionIndicators	6.3	c3603				c3607			
8	callingPartyNumber	6.3	c3603				c3602			

c3601: IF A.6/14a THEN m ELSE n/a
c3602: IF A.6/14b THEN m ELSE n/a
c3603: IF A.6/14a THEN o ELSE n/a
c3604: IF A.36/3a THEN m ELSE n/a

-- InitiateCallAttempt-Invoker
-- InitiateCallAttempt-Responder
-- InitiateCallAttempt-Invoker

c3605: IF A.36/3b THEN m ELSE n/a
c3606: IF A.36/3a THEN o ELSE n/a
c3607: IF A.6/14b THEN o ELSE n/a

-- InitiateCallAttempt-Responder

Comments:

Table A.37: InitiateCallAttempt errors

Item	Name	Reference	Status	Support
1	missingParameter	6.2	c3701	
2	systemFailure	6.2	c3701	
3	taskRefused	6.2	c3701	
4	unexpectedComponentSequence	6.2	c3701	
5	unexpectedDataValue	6.2	c3701	
6	unexpectedParameter	6.2	c3701	

c3701: IF A.6/14b THEN o
ELSE IF A.6/14a THEN m ELSE n/a

-- InitiateCallAttempt-Responder
-- InitiateCallAttempt-Invoker

Comments:

A.4.6.21 PlayAnnouncement

Table A.38: PlayAnnouncement invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	informationToSend	6.3	c3801				c3802			
2	inbandInfo	6.3	c3803				c3804			
3	messageID	6.3	c3805				c3806			
4	elementaryMessageID	6.3	c3807		0..2 ³¹ -1		c3808		0..2 ³¹ -1	
5	text	6.3	c3807				c3808			
6	messageContent	6.3	c3809				c3810			
7	attributes	6.3	c3811				c3812			
8	elementaryMessageIDs	6.3	c3807				c3808			
9	variableMessage	6.3	c3807				c3808			
10	integer	6.3	c3813		0..2 ³¹ -1		c3814		0..2 ³¹ -1	
11	number	6.3	c3813				c3814			
12	time	6.3	c3813				c3814			
13	date	6.3	c3813				c3814			
14	price	6.3	c3813				c3814			
15	numberOfRepetitions	6.3	c3815		1..127		c3806		1..127	
16	duration	6.3	c3815		0..2 ³¹ -1		c3806		0..2 ³¹ -1	
17	interval	6.3	c3815		0..2 ³¹ -1		c3806		0..2 ³¹ -1	
18	tone	6.3	c3803				c3804			
19	toneID	6.3	c3817		0..2 ³¹ -1		c3818		0..2 ³¹ -1	
20	duration	6.3	c3819		0..2 ³¹ -1		c3818		0..2 ³¹ -1	
21	displayInformation	6.3	c3803				c3804			
22	disconnectFromIPForbidden	6.3	c3820		False, True		c3802		False, True	
23	requestAnnouncementComplete	6.3	c3820		False, True		c3802		False, True	
24	extensions	6.3	c3820				c3821			
25	type	6.3	c3822				c3823			
26	criticality	6.3	c3824		0, 1		c3823		0, 1	
27	value	6.3	c3822				c3823			

c3801: IF A.6/26a THEN m ELSE n/a
c3802: IF A.6/26b THEN m ELSE n/a
c3803: IF A.38/1a THEN o.1 ELSE n/a
c3804: IF A.38/1b THEN o.1 ELSE n/a
c3805: IF A.38/2a THEN m ELSE n/a
c3806: IF A.38/2b THEN m ELSE n/a
c3807: IF A.38/3a THEN o.2 ELSE n/a
c3808: IF A.38/3b THEN o.2 ELSE n/a
c3809: IF A.38/5a THEN m ELSE n/a

-- PlayAnnouncement-Invoker
-- PlayAnnouncement-Responder

c3810: IF A.38/5b THEN m ELSE n/a
 c3811: IF A.38/5a THEN o ELSE n/a
 c3812: IF A.38/5b THEN o ELSE n/a
 c3813: IF A.38/9a THEN o.3 ELSE n/a
 c3814: IF A.38/9b THEN o.3 ELSE n/a
 c3815: IF A.38/2a THEN o ELSE n/a
 c3817: IF A.38/18a THEN m ELSE n/a
 c3818: IF A.38/18b THEN m ELSE n/a
 c3819: IF A.38/18a THEN o ELSE n/a
 c3820: IF A.6/26a THEN o ELSE n/a
 c3821: IF A.6/26b THEN o ELSE n/a
 c3822: IF A.38/24a THEN m ELSE n/a
 c3823: IF A.38/24b THEN m ELSE n/a
 c3824: IF A.38/24a THEN o ELSE n/a

-- PlayAnnouncement-Invoker
 -- PlayAnnouncement-Responder

- o.1: At least one of the indicated options shall be supported.
 o.2: At least one of the indicated options shall be supported; this deviates from the general rule as stated in A.1.3.
 o.3: At least one of the indicated options shall be supported; this deviates from the general rule as stated in A.1.3.

Comments:

Table A.39: PlayAnnouncement errors

Item	Name	Reference	Status	Support
1	cancelled	6.2	c3901	
2	missingParameter	6.2	c3901	
3	systemFailure	6.2	c3901	
4	unavailableResource	6.2	c3901	
5	unexpectedComponentSequence	6.2	c3901	
6	unexpectedDataValue	6.2	c3901	
7	unexpectedParameter	6.2	c3901	

c3901: IF A.6/26b THEN o
 ELSE IF A.6/26a THEN m ELSE n/a

-- PlayAnnouncement-Responder
 -- PlayAnnouncement-Invoker

Comments:

A.4.6.22 PromptAndCollectUserInformation

Table A.40: PromptAndCollectUserInformation invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	collectedInfo	6.3	c4001				c4002			
2	minimumNbOfDigits	6.3	c4003		1..127		c4027		1..127	
3	maximumNbOfDigits	6.3	c4005		1..127		c4004		1..127	
4	endOfReplyDigit	6.3	c4003		1..2dig		c4027		1..2dig	
5	cancelDigit	6.3	c4003		1..2dig		c4027		1..2dig	
6	startDigit	6.3	c4003		1..2dig		c4027		1..2dig	
7	firstDigitTimeOut	6.3	c4003		1..127		c4027		1..127	
8	interDigitTimeOut	6.3	c4003		1..127		c4027		1..127	
9	errorTreatment	6.3	c4003		0..2		c4027		0..2	
10	interruptableAnnInd	6.3	c4003		False, True		c4027		False, True	
11	voiceInformation	6.3	c4003		False, True		c4027		False, True	
12	voiceBack	6.3	c4003		False, True		c4027		False, True	
13	disconnectFromIPForbidden	6.3	c4006		False, True		c4002		False, True	
14	informationToSend	6.3	c4006				c4002			
15	inbandInfo	6.3	c4007				c4008			
16	messageID	6.3	c4009				c4010			
17	elementaryMessageID	6.3	c4011		0..2 ³¹ -1		c4012		0..2 ³¹ -1	
18	text	6.3	c4011				c4012			
19	messageContent	6.3	c4013				c4014			
20	attributes	6.3	c4015				c4016			
21	elementaryMessageIDs	6.3	c4011				c4012			
22	variableMessage	6.3	c4011				c4012			
23	integer	6.3	c4017		0..2 ³¹ -1		c4018		0..2 ³¹ -1	
24	number	6.3	c4017				c4018			
25	time	6.3	c4017				c4018			
26	date	6.3	c4017				c4018			
27	price	6.3	c4017				c4018			
28	numberOfRepetitions	6.3	c4019		1..127		c4010		1..127	
29	duration	6.3	c4019		0..2 ³¹ -1		c4010		0..2 ³¹ -1	
30	interval	6.3	c4019		0..2 ³¹ -1		c4010		0..2 ³¹ -1	
31	tone	6.3	c4007				c4008			
32	toneID	6.3	c4020		0..2 ³¹ -1		c4021		0..2 ³¹ -1	

(continued)

Table A.40 (concluded): PromptAndCollectUserInfoInformation invocation arguments

Item	Name	Reference	Invoke-Request			Invoke-Indication				
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
33	duration	6.3	c4022		0..2 ³¹ -1		c4021		0..2 ³¹ -1	
34	displayInformation	6.3	c4007				c4008			
35	extensions	6.3	c4006				c4023			
36	type	6.3	c4024				c4025			
37	criticality	6.3	c4026		0, 1		c4025		0, 1	
38	value	6.3	c4024				c4025			

c4001: IF A.6/27a THEN m ELSE n/a -- PromptAndCollectUserInfoInformation-Invoker
c4002: IF A.6/27b THEN m ELSE n/a -- PromptAndCollectUserInfoInformation-Responder
c4003: IF A.40/1a THEN o ELSE n/a
c4004: IF A.40/1b THEN m ELSE n/a
c4005: IF A.40/1a THEN m ELSE n/a
c4006: IF A.6/27a THEN o ELSE n/a -- PromptAndCollectUserInfoInformation-Invoker
c4007: IF A.40/14a THEN o.1 ELSE n/a
c4008: IF A.40/14b THEN o.1 ELSE n/a
c4009: IF A.40/15a THEN m ELSE n/a
c4010: IF A.40/15b THEN m ELSE n/a
c4011: IF A.40/16a THEN o.2 ELSE n/a
c4012: IF A.40/16b THEN o.2 ELSE n/a
c4013: IF A.40/18a THEN m ELSE n/a
c4014: IF A.40/18b THEN m ELSE n/a

c4015: IF A.40/18a THEN o ELSE n/a
c4016: IF A.40/18b THEN o ELSE n/a
c4017: IF A.40/22a THEN o.3 ELSE n/a
c4018: IF A.40/22b THEN o.3 ELSE n/a
c4019: IF A.40/15a THEN o ELSE n/a
c4020: IF A.40/31a THEN m ELSE n/a
c4021: IF A.40/31b THEN m ELSE n/a
c4022: IF A.40/31a THEN o ELSE n/a
c4023: IF A.6/27b THEN o ELSE n/a -- PromptAndCollectUserInfoInformation-Responder
c4024: IF A.40/35a THEN m ELSE n/a
c4025: IF A.40/35b THEN m ELSE n/a
c4026: IF A.40/35a THEN o ELSE n/a
c4027: IF A.40/1b THEN o ELSE n/a

- o.1: At least one of the indicated options shall be supported.
- o.2: At least one of the indicated options shall be supported; this deviates from the general rule as stated in A.1.3.
- o.3: At least one of the indicated options shall be supported; this deviates from the general rule as stated in A.1.3.

Comments:

Table A.41: PromptAndCollectUserInformation errors

Item	Name	Reference	Status	Support
1	cancelled	6.2	c4101	
2	improperCallerResponse	6.2	c4101	
3	missingParameter	6.2	c4101	
4	systemFailure	6.2	c4101	
5	taskRefused	6.2	c4101	
6	unavailableResource	6.2	c4101	
7	unexpectedComponentSequence	6.2	c4101	
8	unexpectedDataValue	6.2	c4101	
9	unexpectedParameter	6.2	c4101	

c4101: IF A.6/27b THEN o
ELSE IF A.6/27a THEN m ELSE n/a

-- PromptAndCollectUserInformation-Responder
-- PromptAndCollectUserInformation-Invoker

Comments:

A.4.6.23 ReleaseCall

For the operation ReleaseCall there are is only one mandatory invocation argument, there are no results and no errors, and therefore no table in this ETS.

A.4.6.24 RequestNotificationChargingEvent

Table A.42: RequestNotificationChargingEvent invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	eventTypeCharging	6.3	c4201				c4202			
2	monitorMode	6.3	c4201		0..2		c4202		0..2	
3	legID	6.3	c4205				c4202			
4	sendingSideID	6.3	c4203		'01'H, '02'H		c4204		'01'H, '02'H	

c4201: IF A.6/11a THEN m ELSE n/a
 c4202: IF A.6/11b THEN m ELSE n/a
 c4203: IF A.42/3a THEN m ELSE n/a
 c4204: IF A.42/3b THEN m ELSE n/a
 c4205: IF A.6/11a THEN o ELSE n/a

-- RequestNotificationChargingEvent-Invoker
 -- RequestNotificationChargingEvent-Responder

 -- RequestNotificationChargingEvent-Invoker

Comments:

Table A.43: RequestNotificationChargingEvent errors

Item	Name	Reference	Status	Support
1	missingParameter	6.2	c4301	
2	systemFailure	6.2	c4301	
3	taskRefused	6.2	c4301	
4	unexpectedComponentSequence	6.2	c4301	
5	unexpectedDataValue	6.2	c4301	
6	unexpectedParameter	6.2	c4301	

c4301: IF A.6/11b THEN o
 ELSE IF A.6/11a THEN m ELSE n/a

-- RequestNotificationChargingEvent-Responder
 -- RequestNotificationChargingEvent-Invoker

Comments:

A.4.6.25 RequestReportBCSMEvent

Table A.44: RequestReportBCSMEvent invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	bcsmEvents	6.3	c4401				c4402			
2	eventTypeBCSM	6.3	c4401		2..10, 13..18		c4402		2..10, 13..18	
3	monitorMode	6.3	c4401		0..2		c4402		0..2	
4	legID	6.3	c4403				c4402			
5	sendingSideID	6.3	c4405		'01'H, '02'H		c4406		'01'H, '02'H	
6	dPSpecificCriteria	6.3	c4403				c4402			
7	numberOfDigits	6.3	c4407		1..255		c4408		1..255	
8	applicationTimer	6.3	c4407		0..2047		c4408		0..2047	
9	extensions	6.3	c4403				c4404			
10	type	6.3	c4409				c4410			
11	criticality	6.3	c4410		0, 1		c4410		0, 1	
12	value	6.3	c4409				c4410			

c4401: IF A.6/9a THEN m ELSE n/a
 c4402: IF A.6/9b THEN m ELSE n/a
 c4403: IF A.6/9a THEN o ELSE n/a
 c4404: IF A.6/9b THEN o ELSE n/a
 c4405: IF A.44/4a THEN m ELSE n/a
 c4406: IF A.44/4b THEN m ELSE n/a

-- RequestReportBCSMEvent-Invoker
 -- RequestReportBCSMEvent-Responder
 -- RequestReportBCSMEvent-Invoker
 -- RequestReportBCSMEvent-Responder

c4407: IF A.44/6a THEN o.1 ELSE n/a
 c4408: IF A.44/6b THEN m ELSE n/a
 c4409: IF A.44/9a THEN m ELSE n/a
 c4410: IF A.44/9b THEN m ELSE n/a
 c4411: IF A.44/9a THEN o ELSE n/a

o.1: At least one of the options shall be supported.

Comments:

Table A.45: RequestReportBCSMEvent errors

Item	Name	Reference	Status	Support
1	missingParameter	6.2	c4501	
2	systemFailure	6.2	c4501	
3	taskRefused	6.2	c4501	
4	unexpectedComponentSequence	6.2	c4501	
5	unexpectedDataValue	6.2	c4501	
6	unexpectedParameter	6.2	c4501	

c4501: IF A.6/9a THEN m
 ELSE IF A.6/9b THEN o ELSE n/a

-- RequestReportBCSMEvent-Invoker
 -- RequestReportBCSMEvent-Responder

Comments:

A.4.6.26 ResetTimer

Table A.46: ResetTimer invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	timerID	6.3	c4601		0		c4602		0	
2	timervalue	6.3	c4603		0..2 ³¹ -1		c4602		0..2 ³¹ -1	
3	extensions	6.3	c4601				c4604			
4	type	6.3	c4605				c4606			
5	criticality	6.3	c4607		0, 1		c4606		0, 1	
6	value	6.3	c4605				c4606			

c4601: IF A.6/15a THEN o ELSE n/a
 c4602: IF A.6/15b THEN m ELSE n/a
 c4603: IF A.6/15a THEN m ELSE n/a
 c4604: IF A.6/15b THEN o ELSE n/a

-- ResetTimer-Invoker
 -- ResetTimer-Responder
 -- ResetTimer-Invoker
 -- ResetTimer-Responder

c4605: IF A.46/3a THEN m ELSE n/a
 c4606: IF A.46/3b THEN m ELSE n/a
 c4607: IF A.46/3a THEN o ELSE n/a

Comments:

Table A.47: ResetTimer errors

Item	Name	Reference	Status	Support
1	missingParameter	6.2	c4701	
2	taskRefused	6.2	c4701	
3	unexpectedComponentSequence	6.2	c4701	
4	unexpectedDataValue	6.2	c4701	
5	unexpectedParameter	6.2	c4701	

c4701: IF A.6/15a THEN m
 ELSE IF A.6/15b THEN o ELSE n/a

-- ResetTimer-Invoker
 -- ResetTimer-Responder

Comments:

A.4.6.27 SendChargingInformation

Table A.48: SendChargingInformation invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	sCBillingChargingCharacteristics	6.3	c4801				c4802			
2	legID	6.3	c4801				c4802			
3	sendingSideID	6.3	c4801		'01'H, '02'H		c4802		'01'H, '02'H	
4	extensions	6.3	c4803				c4804			
5	type	6.3	c4805				c4806			
6	criticality	6.3	c4807		0, 1		c4806		0, 1	
7	value	6.3	c4805				c4806			

c4801: IF A.6/24a THEN m ELSE n/a
 c4802: IF A.6/24b THEN m ELSE n/a
 c4803: IF A.6/24a THEN o ELSE n/a
 c4804: IF A.6/24b THEN o ELSE n/a

-- SendChargingInformation-Invoker
 -- SendChargingInformation-Responder
 -- SendChargingInformation-Invoker
 -- SendChargingInformation-Responder

c4805: IF A.48/4a THEN m ELSE n/a
 c4806: IF A.48/4b THEN m ELSE n/a
 c4807: IF A.48/4a THEN o ELSE n/a

Comments:

Table A.49: SendChargingInformation errors

Item	Name	Reference	Status	Support
1	missingParameter	6.2	c4901	
2	unexpectedComponentSequence	6.2	c4901	
3	unexpectedParameter	6.2	c4901	
4	parameterOutOfRange	6.2	c4901	
5	systemFailure	6.2	c4901	
6	taskRefused	6.2	c4901	
7	unknownLegID	6.2	c4901	

c4901: IF A.6/24b THEN o
 ELSE IF A.6/24a THEN m ELSE n/a

-- SendChargingInformation-Responder
 -- SendChargingInformation-Invoker

Comments:

A.4.6.28 ServiceFilteringResponse

Table A.50: ServiceFilteringResponse invocation arguments

Item	Name	Reference	Invoke-Request				Invoke-Indication			
			Status	Support	Value		Status	Support	Value	
					Allowed	Supported			Allowed	Supported
1	countersValue	6.3	c5001		0..100		c5002		0..100	
2	counterID	6.3	c5001		0..99		c5002		0..99	
3	counterValue	6.3	c5001		0..2 ³¹ -1		c5002		0..2 ³¹ -1	
4	filteringCriteria	6.3	c5001				c5002			
5	serviceKey	6.3	c5003		0..2 ³¹ -1		c5004		0..2 ³¹ -1	
6	addressAndService	6.3	c5003				c5004			
7	calledAddressValue	6.3	c5005				c5006			
8	serviceKey	6.3	c5005		0..2 ³¹ -1		c5006		0..2 ³¹ -1	
9	callingAddressValue	6.3	c5007				c5008			
10	locationNumber	6.3	c5007				c5008			
11	extensions	6.3	c5009				c5010			
12	type	6.3	c5011				c5012			
13	criticality	6.3	c5013		0, 1		c5012		0, 1	
14	value	6.3	c5011				c5012			

c5001: IF A.6/20a THEN m ELSE n/a
c5002: IF A.6/20b THEN m ELSE n/a
c5003: IF A.50/4a THEN o.1 ELSE n/a
c5004: IF A.50/4b THEN o.2 ELSE n/a
c5005: IF A.50/6a THEN m ELSE n/a
c5006: IF A.50/6b THEN m ELSE n/a
c5007: IF A.50/6a THEN o ELSE n/a

-- ServiceFilteringResponse-Invoker
-- ServiceFilteringResponse-Responder

c5008: IF A.50/6b THEN m ELSE n/a
c5009: IF A.6/20a THEN o ELSE n/a
c5010: IF A.6/20b THEN o ELSE n/a
c5011: IF A.50/11a THEN m ELSE n/a
c5012: IF A.50/11b THEN m ELSE n/a
c5013: IF A.50/11a THEN o ELSE n/a

-- ServiceFilteringResponse-Invoker
-- ServiceFilteringResponse-Responder

- o.1: At least one of the options shall be supported.
- o.2: At least one of the options shall be supported; this deviates from the general rule as stated in A.1.3.

Comments:

A.4.6.29 SpecializedResourceReport

For the operation SpecializedResourceReport there is only a NULL invocation argument, there are no results and no errors, and therefore no table in this ETS.

A.4.7 Timers

Table A.51: Operation timers

Item	Operation timer		Reference	Status	Values	
					allowed	supported
1	ActivateServiceFiltering	T _{asf}	6.1	c5101	1 - 60 s	
2	ActivityTest	T _{at}	6.1	c5102	1 - 10 s	
3	ApplyCharging	T _{ac}	6.1	c5103	1 - 10 s	
4	ApplyChargingReport	T _{acr}	6.1	c5104	1 - 10 s	
5	AssistRequestInstructions	T _{ari}	6.1	c5105	1 - 10 s	
6	CallGap	T _{cg}	6.1	c5106	1 - 10 s	
7	CallInformationReport	T _{cirp}	6.1	c5107	1 - 10 s	
8	CallInformationRequest	T _{cirq}	6.1	c5108	1 - 10 s	
9	Cancel	T _{can}	6.1	c5109	1 - 10 s	
10	CollectInformation	T _{ci}	6.1	c5110	1 - 60 s	
11	Connect	T _{con}	6.1	c5111	1 - 10 s	
12	ConnectToResource	T _{ctr}	6.1	c5112	1 - 10 s	
13	Continue	T _{cue}	6.1	c5113	1 - 10 s	
14	DisconnectForwardConnection	T _{dfc}	6.1	c5114	1 - 10 s	
15	EstablishTemporaryConnection	T _{etc}	6.1	c5115	1 - 60 s	
16	EventNotificationCharging	T _{enc}	6.1	c5116	1 - 10 s	
17	EventReportBCSM	T _{erb}	6.1	c5117	1 - 10 s	
18	FurnishChargingInformation	T _{fci}	6.1	c5118	1 - 10 s	
19	InitialDP	T _{idp}	6.1	c5119	1 - 10 s	
20	InitiateCallAttempt	T _{ica}	6.1	c5120	1 - 10 s	
21	ReleaseCall	T _{rc}	6.1	c5121	1 - 10 s	
22	RequestNotificationChargingEvent	T _{rnc}	6.1	c5122	1 - 10 s	
23	RequestReportBCSMEvent	T _{rrb}	6.1	c5123	1 - 10 s	
24	ResetTimer	T _{rt}	6.1	c5124	1 - 10 s	
27	SendChargingInformation	T _{sci}	6.1	c5127	1 - 10 s	
28	ServiceFilteringResponse	T _{sfr}	6.1	c5128	1 - 10 s	
29	PlayAnnouncement	T _{pa}	6.1	c5129	1 - 1800 s	
30	PromptAndCollectUserInformation	T _{pc}	6.1	c5130	1 - 1800 s	
31	SpecializedResourceReport	T _{srr}	6.1	c5131	1 - 10 s	

c5101: IF A.6/21a THEN m ELSE n/a
c5102: IF A.6/29a THEN m ELSE n/a
c5103: IF A.6/18a THEN m ELSE n/a
c5104: IF A.6/17a THEN m ELSE n/a
c5105: IF A.6/2a THEN m ELSE n/a
c5106: IF A.6/19a THEN m ELSE n/a
c5107: IF A.6/22a THEN m ELSE n/a
c5108: IF A.6/23a THEN m ELSE n/a
c5109: IF A.6/28a THEN m ELSE n/a
c5110: IF A.6/12a THEN m ELSE n/a
c5111: IF A.6/6a THEN m ELSE n/a
c5112: IF A.6/5a THEN m ELSE n/a
c5113: IF A.6/13a THEN m ELSE n/a
c5114: IF A.6/4a THEN m ELSE n/a
c5115: IF A.6/3a THEN m ELSE n/a
c5116: IF A.6/10a THEN m ELSE n/a
c5117: IF A.6/8a THEN m ELSE n/a
c5118: IF A.6/16a THEN m ELSE n/a
c5119: IF A.6/1a THEN m ELSE n/a
c5120: IF A.6/14a THEN m ELSE n/a
c5121: IF A.6/7a THEN m ELSE n/a
c5122: IF A.6/11a THEN m ELSE n/a
c5123: IF A.6/9a THEN m ELSE n/a
c5124: IF A.6/15a THEN m ELSE n/a

-- ActivateServiceFiltering-Invoker
-- ActivityTest-Invoker
-- ApplyCharging-Invoker
-- ApplyChargingReport-Invoker
-- AssistRequestInstructions-Invoker
-- CallGap-Invoker
-- CallInformationReport-Invoker
-- CallInformationRequest-Invoker
-- Cancel-Invoker
-- CollectInformation-Invoker
-- Connect-Invoker
-- ConnectToResource-Invoker
-- Continue-Invoker
-- DisconnectForwardConnection-Invoker
-- EstablishTemporaryConnection-Invoker
-- EventNotificationCharging-Invoker
-- EventReportBCSM-Invoker
-- FurnishChargingInformation-Invoker
-- InitialDP-Invoker
-- InitiateCallAttempt-Invoker
-- ReleaseCall-Invoker
-- RequestNotificationChargingEvent-Invoker
-- RequestReportBCSMEvent-Invoker
-- ResetTimer-Invoker

c5127: IF A.6/24a THEN m ELSE n/a
c5128: IF A.6/20a THEN m ELSE n/a
c5129: IF A.6/26a THEN m ELSE n/a
c5130: IF A.6/27a THEN m ELSE n/a
c5131: IF A.6/25a THEN m ELSE n/a

-- SendChargingInformation-Invoker
-- ServiceFilteringResponse-Invoker
-- PlayAnnouncement-Invoker
-- PromptAndCollectUserInformation-Invoker
-- SpecializedResourceReport-Invoker

Comments:

Table A.52: Timers

Item	Timer	Reference	Status	Values	
				allowed	supported
1	T _{SSF} after sending InitialDP or AssistRequestInstructions	7.1.5 7.1.5.3 7.1.6.2	c5201	(note)	
2	T _{SSF} after entering state c "Waiting for Instructions"	7.1.5 7.1.5.3	c5201	(note)	
3	T _{SSF} after entering state d "Waiting for End of User Interaction"	7.1.5 7.1.5.4	c5202	(note)	
4	T _{SCF-SSF} after receiving InitialDP or AssistRequestInstructions	7.2.5 7.2.5.2	c5203	< 52/1	
5	T _{SCF-SSF} after entering state 2.2.2 "Queueing FSM"	7.2.5 7.2.5.2.2.2	c5203	< 52/2	
6	T _{SCF-SSF} after entering state 3.2 "Waiting for Assist Request Instructions"	7.2.5 7.2.5.3.2	c5204	< 52/3	
7	T _{Assist/Hand-Off}	7.2.5	c5205	(note)	
8	T _{SRF}	7.3.4	c5206	(note)	
9	T _{ActTest}	7.2.5	c5203	(note)	
NOTE: ETS 300 374-1 [1] does not indicate the allowed values, so the implementor shall indicate the supported values.					

c5201: IF A.2/2 THEN m ELSE n/a
c5202: IF (A.2/2 AND A.3/2) THEN m ELSE n/a
c5203: IF A.2/1 THEN m ELSE n/a
c5204: IF (A.2/1 AND A.5/3b) THEN m ELSE n/a
c5205: IF (A.2/1 AND A.5/2b) THEN m ELSE n/a
c5206: IF A.2/3 THEN m ELSE n/a

-- SSP
-- SSP AND Assisting-SSP-capability
-- SCP
-- SCP AND IP-to-SCP-AC_Responder
-- SCP AND assist-handoff-SSP-to-SCP-AC_Responder
-- IP

Comments:

A.4.8 Range constants

Table A.53: Range constants

Item	Name	Reference	Status	Support	Supported value
1	minAChBillingChargingLength	6.3	c5301		
2	maxAChBillingChargingLength	6.3	c5301		
3	maxBearerCapabilityLength	6.3	c5302		
4	minCalledPartyNumberLength	6.3	c5303		
5	maxCalledPartyNumberLength	6.3	c5303		
6	minCallingPartyNumberLength	6.3	c5304		
7	maxCallingPartyNumberLength	6.3	c5304		
8	minCallResultLength	6.3	c5305		
9	maxCallResultLength	6.3	c5305		
10	maxCauseLength	6.3	c5306		
11	minDigitsLength	6.3	c5307		
12	maxDigitsLength	6.3	c5307		
13	minDisplayInformationLength	6.3	c5308		
14	maxDisplayInformationLength	6.3	c5308		
15	minEventSpecificInformationChargingLength	6.3	c5309		
16	maxEventSpecificInformationChargingLength	6.3	c5309		
17	minEventTypeChargingLength	6.3	c5310		
18	maxEventTypeChargingLength	6.3	c5310		
19	minFCIBillingChargingLength	6.3	c5311		
20	maxFCIBillingChargingLength	6.3	c5311		
21	minIPAvailableLength	6.3	c5312		
22	maxIPAvailableLength	6.3	c5312		
23	minIPSSPCapabilitiesLength	6.3	c5313		
24	maxIPSSPCapabilitiesLength	6.3	c5313		
25	minLocationNumberLength	6.3	c5314		
26	maxLocationNumberLength	6.3	c5314		
27	minMessageContentLength	6.3	c5315		
28	maxMessageContentLength	6.3	c5315		
29	minOriginalCalledPartyIDLength	6.3	c5316		
30	maxOriginalCalledPartyIDLength	6.3	c5316		
31	minRedirectingPartyIDLength	6.3	c5317		
32	maxRedirectingPartyIDLength	6.3	c5317		
33	minRouteListLength	6.3	c5318		
34	maxRouteListLength	6.3	c5318		
35	minScfIDLength	6.3	c5319		
36	maxScfIDLength	6.3	c5319		
37	minSCIBillingChargingLength	6.3	c5320		
38	maxSCIBillingChargingLength	6.3	c5320		
39	minServiceInteractionIndicatorsLength	6.3	c5321		
40	maxServiceInteractionIndicatorsLength	6.3	c5321		
41	minSFBillingChargingLength	6.3	c5322		
42	maxSFBillingChargingLength	6.3	c5322		
43	numOfBCSMEvents	6.3	c5323		
44	numOfChargingEvents	6.3	c5324		
45	numOfExtensions	6.3	c5325		
46	numOfMessageIDs	6.3	c5326		

c5301: IF A.6/18 THEN m ELSE n/a -- applyCharging
c5302: IF A.34/18 THEN m ELSE n/a -- bearerCapability
c5303: IF A.34/2 -- calledPartyNumber
OR A.6/6 -- connect
OR A.6/14 -- initiateCallAttempt
OR A.31/2 -- eventSpecificInformationBCSM
OR A.6/5 THEN m ELSE n/a -- connectToResource
c5304: IF A.23/13 -- callingPartyNumber
OR A.34/3 -- callingPartyNumber
OR A.36/8 THEN m ELSE n/a -- callingPartyNumber
c5305: IF A.6/17 THEN m ELSE n/a -- applyChargingReport

c5306: IF A.6/7	-- releaseCall
OR A.6/21	-- activateServiceFiltering
ORA.6/22	-- callInformationReport
OR A.15/16	-- gapTreatment
OR A.31/2 THEN m ELSE n/a	-- eventSpecificInformationBCSM
c5307: IF A.6/27	-- promptAndCollectUserInformation
OR A.7/34	-- addressAndService
OR A.7/35	-- calledAddressValue
OR A.7/37	-- callingAddressValue
OR A.15/2	-- calledAddressValue
OR A.15/5	-- calledAddressAndService
OR A.15/8	-- callingAddressAndService
OR A.15/9	-- callingAddressValue
OR A.15/28	-- number
OR A.6/22	-- callInformationReport
OR A.40/24	-- number
OR A.38/11 THEN m ELSE n/a	-- number
c5308: IF A.7/23	-- displayInformation
OR A.15/38	-- displayInformation
OR A.38/21	-- displayInformation
OR A.40/34 THEN m ELSE n/a	-- displayInformation
c5309: IF A.6/10 THEN m ELSE n/a	-- eventNotificationCharging
c5310: IF A.6/10	-- eventNotificationCharging
OR A.6/11 THEN m ELSE n/a	-- requestNotificationChargingEvent
c5311: IF A.6/16 THEN m ELSE n/a	-- furnishChargingInformation
c5312: IF A.13/2	-- iPAvailable
OR A.34/7 THEN m ELSE n/a	-- iPAvailable
c5313: IF A.13/3	-- iPSSPCapabilities
OR A.34/6 THEN m ELSE n/a	-- iPSSPCapabilities
c5314: IF A.7/38	-- locationNumber
OR A.15/11	-- locationNumber
OR A.34/8	-- locationNumber
OR A.50/10 THEN m ELSE n/a	-- locationNumber
c5315: IF A.7/8	-- messageContent
OR A.15/22	-- messageContent
OR A.38/6	-- messageContent
OR A.40/19 THEN m ELSE n/a	-- messageContent
c5316: IF A.23/5	-- originalCalledPartyID
OR A.34/9 THEN m ELSE n/a	-- originalCalledPartyID
c5317: IF A.23/15	-- redirectingPartyID
OR A.34/20 THEN m ELSE n/a	-- redirectingPartyID
c5318: IF A.23/6 THEN m ELSE n/a	-- routeList
c5319: IF A.23/7	-- scfID
OR A.28/3 THEN m ELSE n/a	-- scfID
c5320: IF A.6/24 THEN m ELSE n/a	-- sendChargingInformation
c5321: IF A.23/12	-- serviceInteractionIndicators
OR A.28/8	-- serviceInteractionIndicators
OR A.34/15	-- serviceInteractionIndicators
OR A.36/7 THEN m ELSE n/a	-- serviceInteractionIndicators
c5322: IF A.6/21 THEN m ELSE n/a	-- activateServiceFiltering
c5323: IF A.6/9 THEN m ELSE n/a	-- requestReportBCSMEvent
c5324: IF A.6/11 THEN m ELSE n/a	-- requestNotificationChargingEvent

c5325: IF A.7/40	-- extensions
OR A.9/5	-- extensions
OR A.13/4	-- extensions
OR A.15/41	-- extensions
OR A.16/2	-- extensions
OR A.17/2	-- extensions
OR A.21/1	-- extensions
OR A.23/8	-- extensions
OR A.25/3	-- extensions
OR A.28/4	-- extensions
OR A.30/6	-- extensions
OR A.31/11	-- extensions
OR A.34/10	-- extensions
OR A.36/3	-- extensions
OR A.38/24	-- extensions
OR A.40/35	-- extensions
OR A.44/9	-- extensions
OR A.46/3	-- extensions
OR A.48/4	-- extensions
OR A.50/11 THEN m ELSE n/a	-- extensions
c5326: IF A.7/10	-- elementaryMessageIDs
OR A.15/20	-- elementaryMessageID
OR A.38/8	-- elementaryMessageIDs
OR A.40/21 THEN m ELSE n/a	-- elementaryMessageIDs

Comments:

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