



# AMENDMENT

ETS 300 192

A1

January 1996

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**This amendment A1 modifies  
the European Telecommunication Standard ETS 300 192 (1992)**

**Private Telecommunication Network (PTN);  
Signalling protocol at the S-reference point;  
Circuit mode basic services**

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## Foreword

This amendment to ETS 300 192 (1992) has been produced by the European Computer Manufacturers Association (ECMA) on behalf of its members and those of the European Telecommunications Standards Institute (ETSI).

This amendment contains changes to ETS 300 192 (1992) as detailed below:

- the replacement of the Conformance clause (clause 2);
- the addition of the PICS proforma as a new annex G (normative).

Transposition dates	
Date of adoption of this amendment:	31 January 1996
Date of latest announcement of this amendment (doa):	30 April 1996
Date of latest publication or endorsement of this amendment (dop/e):	31 October 1996
Date of withdrawal of any conflicting National Standard (dow):	31 October 1996

This European Telecommunication Standard (ETS) was produced by ECMA using the ECMA guidelines for the production of standards and using the ECMA stylesheet. In order to avoid undue delays in the approval process for this ETS, it has been agreed that this ETS will not be converted to the ETSI stylesheet.

## Amendments

### Page 9, clause 2

Delete subclause 2 and replace it with the following:

### **2 Conformance**

In order to conform to this Standard, a PTNX shall satisfy the PTN requirements and a TE shall satisfy the TE requirements identified in the Protocol Implementation Conformance Statement (PICS) proforma in annex G.

### Page 38, new annex G

Insert the following annex G:

## Annex G

(normative)

### Protocol Implementation Conformance Statement (PICS) proforma

#### G.1 Introduction

The supplier of a protocol implementation which is claimed to conform to this Standard shall complete one of the following Protocol Implementation Conformance Statement (PICS) proformas. The PICS proforma in G.3 is for a PTNX. The PICS proforma in G.4 is for a TE.

A completed PICS proforma is the PICS for the implementation in question. The 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.

#### G.2 Instructions for completing the PICS proforma

##### G.2.1 General structure of the PICS proforma

The PICS proforma is a fixed format questionnaire divided into subclauses each containing a group of individual items. Each item is identified by an item number, the name of the item (question to be answered), and the reference(s) to the clause(s) specifying the item in the main body of the Standard.

The "Status" column indicates whether an item is applicable and if so whether support is mandatory or optional. The following terms are used:

m	mandatory (the capability is required for conformance to the protocol);
o	optional (the capability is not required for conformance to the protocol, but if the capability is implemented it is required to conform to the protocol specifications);
o.<n>	optional, but support of at least one of the group of options labelled by the same numeral <n> is required;
x	prohibited;
c.<cond>	conditional requirement, depending on support for the item or items listed in condition <cond>;
<item>;m	simple-conditional requirement, the capability being mandatory if item number <item> is supported, otherwise not applicable;
<item>;o	simple-conditional requirement, the capability being optional if item number <item> is supported, otherwise not applicable.

Answers to the questionnaire items are to be provided in the "Support" column, by simply marking an answer to indicate a restricted choice (Yes or No), or in the "Not Applicable" column (N/A).

### **G.2.2 Additional Information**

Items of Additional information allow a supplier to provide further information intended to assist the interpretation of the PICS. It is not intended or expected that a large quantity will be supplied, and a PICS can be considered complete without any such information. Examples might be an outline of the ways in which a (single) implementation can be set up to operate in a variety of environments and configurations.

References to items of Additional Information may be entered next to any answer in the questionnaire, and may be included in items of Exception Information.

### **G.2.3 Exception Information**

It may occasionally happen that a supplier will wish to answer an item with mandatory or prohibited status (after any conditions have been applied) in a way that conflicts with the indicated requirements. No pre-printed answer will be found in the Support column for this. Instead, the supplier is required to write into the support column an x.<i> reference to an item of Exception Information, and to provide the appropriate rationale in the Exception item itself.

An implementation for which an Exception item is required in this way does not conform to this Standard. A possible reason for the situation described above is that a defect in the Standard has been reported, a correction for which is expected to change the requirement not met by the implementation.

**G.3 PICS proforma for ETS 300 192 PTNX implementation**

**G.3.1 Implementation Identification**

Table G.1

Supplier	
Contact point for queries about the PICS	
Implementation Name(s) and Version(s)	
Other information necessary for full identification, e.g. name(s) and version(s) for machines and/or operating systems; system name(s)	

Only the first three 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 suppliers terminology (e.g., Type, Series, Model).

**G.3.2 Protocol summary**

Table G.2

Protocol version	Second Edition
Addenda Implemented	
Amendments Implemented	
Have any exception items been required?	No [ ] Yes [ ] (The answer Yes means that the implementation does not conform to this Standard)
Date of Statement	

**G.3.3 Major Capabilities**

Table G.3

Item	Questions/feature	Reference	Status	N/A	Support
Z1	Support of the 64 kbps unrestricted bearer	12.5.5	o.1		Yes [ ] No [ ]
Z2	Support of the 64 kbps bearer with speech transfer capability	12.5.5	o.1		Yes [ ] No [ ]
Z3	Support of the 64 kbps bearer with 3,1 kHz audio transfer capability	12.5.5	o.1		Yes [ ] No [ ]
Z4	Support of point to point configuration for basic access		o.2		Yes [ ] No [ ]
Z5	Support of multipoint configuration for basic access		o.2		Yes [ ] No [ ]
Z6	Support of primary rate access		o.2		Yes [ ] No [ ]

**G.3.4 General Procedures**

**G.3.4.1 Use of the Services of Layer 2**

Table G.4

Item	Questions/feature	Reference	Status	N/A	Support
A1	Establishment of a data link connection	7.1.1	m		Yes [ ]
A2	Transfer of data	7.1.2	m		Yes [ ]

**G.3.4.2 Message Segmentation Procedures**

Table G.5

Item	Questions/feature	Reference	Status	N/A	Support
A3	Maximum message size generated	7.2	m		Size [ ]
A4	Maximum message size received	7.2	m		Size [ ]
A5	Length of data link information field generated < Max. message size generated	7.2	o		Yes [ ] No [ ]
A6	Length of data link information field received < Max. message size received	7.2	o		Yes [ ] No [ ]
A7	Procedures for message segmentation	7.2	c.1		m: Yes [ ] x: No [ ]
A8	Procedures for message reassembly	7.2	A6:m	[ ]	m: Yes [ ]

c.1 If A5, then mandatory  
else, prohibited

**G.3.4.3 Handling of Protocol Error Conditions**

Table G.6

Item	Questions/feature	Reference	Status	N/A	Support
A9	Treatment of protocol discriminator error	7.3	m		Yes [ ]
A10	Treatment of too short message	7.3	m		Yes [ ]
A11	Treatment of call reference errors	7.3	m		Yes [ ]
A12	Treatment of message type or message sequence errors	7.3	m		Yes [ ]
A13	Treatment of general information element errors	7.3	m		Yes [ ]
A14	Treatment of mandatory information element errors	7.3	m		Yes [ ]
A15	Treatment of non mandatory information element errors	7.3	m		Yes [ ]
A16	Treatment of data link reset	7.3	m		Yes [ ]
A17	Treatment of data link failure	7.3	m		Yes [ ]

**G.3.4.4 Handling of a Multipoint Configuration**

Table G.7

Item	Questions/feature	Reference	Status	N/A	Support
A18	Limit of positive responses to a SETUP message in a multipoint configuration	7.4	Z5:o	[ ]	o: Yes [ ] No [ ] Limit [ ]
A19	Number of maintained state machines that track the overall progression of an incoming call on a broadcast data link	8.2.5	Z5:m	[ ]	m: Yes [ ] Number [ ]
A20	Procedure for positive responses exceeding the limit of PTN capabilities	7.4	A18:m	[ ]	m: Yes [ ]

**G.3.4.5 Status and Status Enquiry**

Table G.8

Item	Questions/feature	Reference	Status	N/A	Support
A21	Receipt of a STATUS ENQUIRY message	7.5	m		Yes [ ]
A22	Sending of a STATUS ENQUIRY message	7.5	o		Yes [ ] No [ ]
A23	Receipt of a solicited STATUS message	7.5	A22:m	[ ]	m: Yes [ ]
A24	Receipt of an unsolicited STATUS message	7.5	m		Yes [ ]



**G.3.5 Messages and Information Elements for General Procedures**

Table G.9

Item	Questions/feature	Reference	Status	N/A	Support
B1	Receipt of the messages in accordance with the procedures supported and receipt of all the permitted information elements in those messages	11	m		Yes [ ]
B2	Sending of messages, including for each message those information elements marked as mandatory for that message, in accordance with procedures supported	11	m		Yes [ ]
B3	Sending of the Channel identification information element in a SETUP ACKNOWLEDGE, CALL PROCEEDING, ALERTING or CONNECT message when that message is a first response to a SETUP message	11	m		Yes [ ]
B4	Sending of a Progress indicator information element in an ALERTING message in connection with the provision of in-band information/patterns	11.2.1	o		Yes [ ] No [ ]
B5	Sending of a Party category information element in an ALERTING message	11.2.1	o		Yes [ ] No [ ]
B6	Sending of a Progress indicator information element in a CALL PROCEEDING message in connection with the provision of in-band information/patterns	11.2.2	o		Yes [ ] No [ ]
B7	Sending of a Progress indicator information element in a CONNECT message in connection with the provision of in-band information/patterns	11.2.3	o		Yes [ ] No [ ]
B8	Sending of a Low layer compatibility information element in a CONNECT message	11.2.3	o		Yes [ ] No [ ]
B9	Sending of a Party category information element in a CONNECT message	11.2.3	o		Yes [ ] No [ ]
B10	Sending of Date/Time information element in a CONNECT message	11.2.3	o		Yes [ ] No [ ]
B11	Sending of a Progress indicator information element in a DISCONNECT message in connection with the provision of in-band information/patterns	11.2.5	o		Yes [ ] No [ ]

(continued)

Table G.9 (concluded)

B12	Sending of a Cause information element in a PROGRESS message	11.2.7	o		Yes [ ] No [ ]
B13	Sending of a Cause information element in a RELEASE message when it is not the first clearing message	11.2.8	o		Yes [ ] No [ ]
B14	Sending of a Cause information element in a RELEASE COMPLETE message when it is not the first clearing message	11.2.9	o		Yes [ ] No [ ]
B15	Sending of a Sending complete information element in a SETUP message when en bloc sending	11.2.13	o		Yes [ ] No [ ]
B16	Sending of a Progress indicator information element in a SETUP message	11.2.13	o		Yes [ ] No [ ]
B17	Sending of a Calling party number information element in a SETUP message	11.2.13	o		Yes [ ] No [ ]
B18	Sending of a Calling party subaddress information element in a SETUP message	11.2.13	o		Yes [ ] No [ ]
B19	Sending of a Called party subaddress information element in a SETUP message	11.2.13	o		Yes [ ] No [ ]
B20	Sending of a Low layer compatibility information element in a SETUP message	11.2.13	o		Yes [ ] No [ ]
B21	Sending of a High layer compatibility information element in a SETUP message	11.2.13	o		Yes [ ] No [ ]
B22	Sending of a Party category information element in a SETUP message	11.2.13	o		Yes [ ] No [ ]
B23	Sending of a Progress indicator information element in a SETUP ACKNOWLEDGE message in connection with the provision of in-band information/patterns	11.2.14	o		Yes [ ] No [ ]
B24	Sending of a Channel identification information element in a RESTART message	11.3.1	D1:o	[ ]	o: Yes [ ] No [ ]
B25	Message formats and codings for non-segmented messages and information elements supported	12	m		Yes [ ]
B26	Message formats and codings for segmented message types and information elements supported	12.5.22	(A7 or A8):m	[ ]	m: Yes [ ]

**G.3.6 Procedures for Circuit Mode Call Control****G.3.6.1 Call Establishment at the Originating Interface**

Table G.10

Item	Questions/feature	Reference	Status	N/A	Support
C1	Support of procedures for outgoing call at the originating interface	8.1	m		Yes [ ]

**G.3.6.2 Call Establishment at the Destination Interface**

Table G.11

Item	Questions/feature	Reference	Status	N/A	Support
C2	Support of procedures for incoming call in a point to point configuration	8.2	Z4:m	[ ]	Yes [ ]
C3	Support of procedures for incoming call in a multipoint terminal configuration	8.2	Z5:m	[ ]	Yes [ ]
C4	Support of procedures for incoming call on a primary rate access	8.2	Z6:m	[ ]	Yes [ ]

**G.3.6.3 Call Clearing**

Table G.12

Item	Questions/feature	Reference	Status	N/A	Support
C5	Support of call clearing procedures when tones/announcement not provided	8.3	m		Yes [ ]
C6	Support of call clearing procedures when tones/announcement provided	8.3	o		Yes [ ] No [ ]

**G.3.6.4 Call Collisions**

Table G.13

Item	Questions/feature	Reference	Status	N/A	Support
C7	Support of the channel selection mechanism	8.5	m		Yes [ ]

**G.3.6.5 Suspend and Resume Procedure**

Table G.14

Item	Questions/feature	Reference	Status	N/A	Support
C8	Support of call suspend and resume procedure on a basic access	8.6	o		Yes [ ] No [ ]

**G.3.7 Procedures for Layer Management**

Table G.15

Item	Questions/feature	Reference	Status	N/A	Support
D1	Initiation of restart procedures	9.1	o		Yes [ ] No [ ]
D2	Receipt of RESTART	9.1	m		Yes [ ]
D3	Restart procedures - Restart collision	9.1	D1:m	[ ]	m: Yes [ ]

## G.3.8 Timers

Table G.16

Item	Questions/feature	Reference	Status	N/A	Support
E1	Implementation of T301	10	o		Yes [ ] No [ ] Value [ ]
E2	Implementation of T302	10	m		Yes [ ] Value [ ]
E3	Implementation of T303	10	m		Yes [ ] Value [ ]
E4	Implementation of T305	10	m		Yes [ ] Value [ ]
E5	Implementation of T306	10	C6:m	[ ]	m: Yes [ ]
E6	Implementation of T307	10	C8:m	[ ]	m: Yes [ ]
E7	Implementation of T308	10	m		Yes [ ]
E8	Implementation of T309	10	m		Yes [ ]
E9	Implementation of T310	10	m		Yes [ ]
E10	Implementation of T312	10	m		Yes [ ]
E11	Implementation of T314	10	A8:m	[ ]	m: Yes [ ] Value [ ]
E12	Implementation of T316	10	D1:m	[ ]	m: Yes [ ]
E13	Implementation of T317	10	m		Yes [ ] Value [ ]
E14	Implementation of T322	10	A22:m	[ ]	m: Yes [ ] Value [ ]

**G.4 PICS proforma for ETS 300 192 TE implementation**

**G.4.1 Implementation Identification**

Table G.17

Supplier	
Contact point for queries	
Implementation Name(s) and Version(s)	
Other information necessary for full identification, e.g. name(s) and version(s) for machines and/or operating systems; system name(s)	

Only the first three 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 suppliers terminology (e.g., Type, Series, Model).

**G.4.2 Protocol summary**

Table G.18

Protocol version	Second Edition
Addenda Implemented	
Amendments Implemented	
Have any exception items been required?	No [ ] Yes [ ] (The answer Yes means that the implementation does not conform to this Standard)
Date of Statement	

**G.4.3 Major Capabilities**

Table G.19

Item	Questions/feature	Reference	Status	N/A	Support
Z1	Support of the 64 kbps unrestricted bearer	12.5.5	o.1		Yes [ ] No [ ]
Z2	Support of the 64 kbps bearer with speech transfer capability	12.5.5	o.1		Yes [ ] No [ ]
Z3	Support of the 64 kbps bearer with 3,1 kHz audio transfer capability	12.5.5	o.1		Yes [ ] No [ ]
Z4	Support of point to point configuration for basic access		o.2		Yes [ ] No [ ]
Z5	Support of multipoint configuration for basic access		o.2		Yes [ ] No [ ]
Z6	Support of primary rate access		o.2		Yes [ ] No [ ]
Z7	Support of outgoing calls		o.3		Yes [ ] No [ ]
Z8	Support of incoming calls		o.3		Yes [ ] No [ ]

**G.4.4 General Procedures**

**G.4.4.1 Use of the Services of Layer 2**

Table G.20

Item	Questions/feature	Reference	Status	N/A	Support
A1	Establishment of a data link connection	7.1.1	m		Yes [ ]
A2	Transfer of data	7.1.2	m		Yes [ ]

**G.4.4.2 Message Segmentation Procedures**

Table G.21

Item	Questions/feature	Reference	Status	N/A	Support
A3	Maximum message size generated	7.2	m		Size [ ]
A4	Maximum message size received	7.2	m		Size [ ]
A5	Length of data link information field generated < Max. generated message size	7.2	o		Yes [ ] No [ ]
A6	Length of data link information field received < Max. received message size	7.2	o		Yes [ ] No [ ]
A7	Procedures for message segmentation	7.2	c.1		m: Yes [ ] x: No [ ]
A8	Procedures for message reassembly	7.2	A6:m	[ ]	m: Yes [ ]

c.1 If A5, then mandatory  
else, prohibited

**G.4.4.3 Handling of Protocol Error Conditions**

Table G.22

Item	Questions/feature	Reference	Status	N/A	Support
A9	Treatment of protocol discriminator error	7.3	m		Yes [ ]
A10	Treatment of too short message	7.3	m		Yes [ ]
A11	Treatment of call reference errors	7.3	m		Yes [ ]
A12	Treatment of message type or sequence errors	7.3	m		Yes [ ]
A13	Treatment of general information errors	7.3	m		Yes [ ]
A14	Treatment of mandatory information element errors	7.3	m		Yes [ ]
A15	Treatment of non mandatory information element errors	7.3	m		Yes [ ]
A16	Treatment of data link reset	7.3	m		Yes [ ]
A17	Treatment of data link failure	7.3	m		Yes [ ]



**G.4.4 Status and Status Enquiry**

Table G.23

Item	Questions/feature	Reference	Status	N/A	Support
A18	Receipt of a STATUS ENQUIRY message	7.5	m		Yes [ ]
A19	Sending of a STATUS ENQUIRY message	7.5	o		Yes [ ]
A20	Receipt of a solicited STATUS message	7.5	A19:m	[ ]	m: Yes [ ]
A21	Receipt of an unsolicited STATUS message	7.5	m		Yes [ ]

**G.4.5 Messages and Information Elements for General Procedures****G.4.5.1 Outgoing Calls**

This table shall apply only if the answer to item Z7 is "Yes".

Table G.24

Item	Questions/feature	Reference	Status	N/A	Support
B1	Receipt of the messages in accordance with the procedures supported and receipt of all the permitted information elements in those messages	11	m		Yes [ ]
B2	Sending of messages, including for each message those information elements marked as mandatory for that message, in accordance with procedures supported	11	m		Yes [ ]
B3	Sending of a Sending complete information element in an INFORMATION message when overlap sending is complete	11.2.6	C2:o	[ ]	o: Yes [ ] No [ ]
B4	Sending of a Cause information element in a RELEASE message when it is not the first clearing message	11.2.8	o		Yes [ ] No [ ]
B5	Sending of a Cause information element in a RELEASE COMPLETE message when it is not the first clearing message	11.2.9	o		Yes [ ] No [ ]
B6	Sending of a Call identity information element in a RESUME message	11.2.10	o		Yes [ ] No [ ]
B7	Sending of a Channel identification information element in a SETUP message	11.2.13	o		Yes [ ] No [ ]

(continued)

Table G.24 (concluded)

B8	Sending of a Sending complete information element in a SETUP message when en bloc sending	11.2.13	C1:o	[ ]	o: Yes [ ] No [ ]
B9	Sending of a Progress indicator information element in a SETUP message	11.2.13	o		Yes [ ] No [ ]
B10	Sending of a Calling party number information element in a SETUP message	11.2.13	o		Yes [ ] No [ ]
B11	Sending of a Calling party subaddress information element in a SETUP message	11.2.13	o		Yes [ ] No [ ]
B12	Sending of a Called party subaddress information element in a SETUP message	11.2.13	o		Yes [ ] No [ ]
B13	Sending of a Low layer compatibility information element in a SETUP message	11.2.13	o		Yes [ ] No [ ]
B14	Sending of a High layer compatibility information element in a SETUP message	11.2.13	o		Yes [ ] No [ ]
B15	Sending of a Call identity information element in a SUSPEND message	11.2.15	o		Yes [ ] No [ ]
B16	Sending of a Channel identification information element in a RESTART message	11.3.1	D1:o	[ ]	o: Yes [ ] No [ ]
B17	Message formats and codings for non-segmented messages and information elements supported	12	m		Yes [ ]
B18	Message formats and codings for segmented message types and information elements supported	12.5.22	(A7 or A8):m	[ ]	m: Yes [ ]

**G.4.5.2 Incoming Calls**

This table shall apply only if the answer to item Z8 is "Yes".

Table G.25

Item	Questions/feature	Reference	Status	N/A	Support
B19	Receipt of the messages in accordance with the procedures supported and receipt of all the permitted information elements in those messages	11	m		Yes [ ]
B20	Sending of messages, including for each message those information elements marked as mandatory for that message, in accordance with procedures supported	11	m		Yes [ ]
B21	Sending of a Connected number information message element in a CONNECT message	11.2.3	o		Yes [ ] No [ ]
B22	Sending of a Connected subaddress information element in a CONNECT message	11.2.3	o		Yes [ ] No [ ]
B23	Sending of a Low layer compatibility information element in a CONNECT message	11.2.3	o		Yes [ ] No [ ]
B24	Sending of a Cause information element in a PROGRESS message	11.2.7	o		Yes [ ] No [ ]
B25	Sending of a Cause information element in a RELEASE message when it is not the first clearing message	11.2.8	o		Yes [ ] No [ ]
B26	Sending of a Cause information element in a RELEASE COMPLETE message when it is not the first clearing message	11.2.9	o		Yes [ ] No [ ]
B27	Sending of a Call identity information element in a RESUME message	11.2.10	o		Yes [ ] No [ ]
B28	Sending of a Call identity information element in as SUSPEND message	11.2.15	o		Yes [ ] No [ ]
B29	Sending of a Channel identification information element in a RESTART message	11.3.1	D1:o	[ ]	o: Yes [ ] No [ ]
B30	Message formats and codings for non-segmented messages and information elements supported	12	m		Yes [ ]
B31	Message formats and codings for segmented message types and information elements supported	12.5.22	(A7 or A8):m	[ ]	m: Yes [ ]

**G.4.6 Procedures for Circuit Mode Call Control**

**G.4.6.1 Call Establishment for Outgoing Call**

Table G.26

Item	Questions/feature	Reference	Status	N/A	Support
C1	Support of en bloc sending procedures	8.1	Z7:o.4	[ ]	o: Yes [ ] No [ ]
C2	Support of overlap sending procedures	8.1	Z7:o.4	[ ]	o: Yes [ ] No [ ]

**G.4.6.2 Call Establishment for Incoming Call**

Table G.27

Item	Questions/feature	Reference	Status	N/A	Support
C3	Support of procedures for incoming call over a point to point data link for basic access	8.2	(Z4 and Z8):m	[ ]	m: Yes [ ]
C4	Support of procedures for incoming call over a Broadcast data link for basic access	8.2	(Z5 and Z8):m	[ ]	m: Yes [ ]
C5	Support of procedures for incoming call on a primary rate access	8.2	(Z6 and Z8):m	[ ]	m: Yes [ ]

**G.4.6.3 Call Clearing**

Table G.28

Item	Questions/feature	Reference	Status	N/A	Support
C6	Support of call clearing procedures when tones/announcement not provided	8.3	m		Yes [ ]
C7	Support of call clearing procedures when tones/announcement provided	8.3	m		Yes [ ]

**G.4.6.4 Suspend and Resume**

Table G.29

Item	Questions/feature	Reference	Status	N/A	Support
C9	Support of call suspend and resume procedure on a basic access	8.6	(Z4 or Z5):o	[ ]	o: Yes [ ] No [ ]

**G.4.7 Procedures for Layer Management**

Table G.30

Item	Questions/feature	Reference	Status	N/A	Support
D1	Initiation of restart procedures	9.1	o		Yes [ ] No [ ]
D2	Receipt of RESTART	9.1	m		Yes [ ]
D3	Restart procedures - Restart collision	9.1	D1:m	[ ]	m: Yes [ ]

**G.4.8 Timers**

**G.4.8.1 Outgoing Calls**

This table shall apply only if the answer to item Z7 is "Yes".

Table G.31

Item	Questions/feature	Reference	Status	N/A	Support
E1	Implementation of T301	10	o		Yes [ ] No [ ] Value [ ]
E2	Implementation of T304	10	C2:o	[ ]	o: Yes [ ] No [ ]
E3	Implementation of T305	10	m		Yes [ ]
E4	Implementation of T308	10	m		Yes [ ]
E5	Implementation of T309	10	o		Yes [ ] No [ ] Value [ ]
E6	Implementation of T310	10	o		Yes [ ] No [ ]
E7	Implementation of T314	10	A8:m	[ ]	m: Yes [ ]
E8	Implementation of T316	10	D1:m	[ ]	m: Yes [ ]
E9	Implementation of T317	10	m		m: Yes [ ] Value [ ]
E10	Implementation of T322	10	A19:m	[ ]	m: Yes [ ]

**G.4.8.2 Incoming Calls**

This table shall apply only if the answer to item Z8 is "Yes".

Table G.32

<b>Item</b>	<b>Questions/feature</b>	<b>Reference</b>	<b>Status</b>	<b>N/A</b>	<b>Support</b>
E11	Implementation of T305	10	m		Yes [ ]
E12	Implementation of T308	10	m		Yes [ ]
E13	Implementation of T309	10	o		Yes [ ] No [ ]
E14	Implementation of T313	10	m		Yes [ ]
E15	Implementation of T314	10	A8:m	[ ]	m: Yes [ ]
E16	Implementation of T316	10	D1:m	[ ]	m: Yes [ ]
E17	Implementation of T317	10	m		Yes [ ] Value [ ]
E18	Implementation of T322	10	A19:m	[ ]	m: Yes [ ]

## History

Document history	
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