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Electromagnetic compatibility
and Radio spectrum Matters (ERM);
Peer-to-Peer Digital Private Mobile Radio;
Part 1: Conformance testing; Protocol Implementation
Conformance Statement (PICS) proforma

#### Reference

#### RTS/ERM-TGDMR-318

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### **Foreword**

This Technical Specification (TS) has been produced by ETSI Technical Committee Electromagnetic compatibility and Radio spectrum Matters (ERM).

The present document is part 1 of a multi-part deliverable covering the Electromagnetic compatibility and Radio spectrum Matters (ERM); Peer-to-Peer Digital Private Mobile Radio, as identified below:

- Part 1: "Conformance testing; Protocol Implementation Conformance Statement (PICS) proforma";
- Part 2: "Conformance testing; Test Suite Structure and Test Purposes (TSS&TP) specification";
- Part 3: "Requirements catalogue";
- Part 4: "Conformance testing; Abstract Test Suite (ATS)";
- Part 5: "Interoperability testing; Interoperability Test Suite Structure and Test Purposes (TSS&TP)
  - specification";
- Part 6: "Interoperability testing; Test Descriptions (TD)".

# Modal verbs terminology

In the present document "shall", "shall not", "should", "should not", "may", "may not", "need", "need not", "will", "will not", "can" and "cannot" are to be interpreted as described in clause 3.2 of the <a href="ETSI Drafting Rules">ETSI Drafting Rules</a> (Verbal forms for the expression of provisions).

"must" and "must not" are NOT allowed in ETSI deliverables except when used in direct citation.

### Introduction

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options have been implemented for a telecommunication specification. Such a statement is called a Protocol Implementation Conformance Statement (PICS).

### 1 Scope

The present document provides the Protocol Implementation Conformance Statement (PICS) proforma for the ERM; Peer-to-Peer Digital Private Mobile Radio using FDMA with a channel spacing of 6,25 kHz with e.r.p. of up to 500 mW as defined in TS 102 490 [1] in compliance with the relevant requirements, and in accordance with the relevant guidance given in ISO/IEC 9646-7 [3] and ETS 300 406 [4].

The present document details in tabular form the implementation options, i.e. the optional functions additional to those which are mandatory to implement.

### 2 References

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the reference document (including any amendments) applies.

Referenced documents which are not found to be publicly available in the expected location might be found at <a href="http://docbox.etsi.org/Reference">http://docbox.etsi.org/Reference</a>.

NOTE: While any hyperlinks included in this clause were valid at the time of publication ETSI cannot guarantee their long term validity.

### 2.1 Normative references

The following referenced documents are necessary for the application of the present document.

- [1] ETSI TS 102 490 (V1.8.1): "Electromagnetic compatibility and Radio spectrum Matters (ERM); Peer-to-Peer Digital Private Mobile Radio using FDMA with a channel spacing of 6,25 kHz with e.r.p. of up to 500 mW".
- [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".
- [4] ETSI ETS 300 406: "Methods for testing and Specification (MTS); Protocol and profile conformance testing specifications; Standardization methodology".

### 2.2 Informative references

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

Not applicable.

### 3 Definitions and abbreviations

### 3.1 Definitions

For the purposes of the present document, the terms and definitions given in TS 102 490 [1], ISO/IEC 9646-1 [2], ISO/IEC 9646-7 [3] and the following apply:

**Implementation Conformance Statement (ICS):** statement made by the supplier of an implementation or system claimed to conform to a given specification, stating which capabilities have been implemented

NOTE: The ICS can take several forms: protocol ICS, profile ICS, profile specific ICS, information object ICS, etc.

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

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

#### 3.2 Abbreviations

For the purposes of the present document, the following abbreviations apply:

CSF Configured Services and Facilities
dPMR digital Private Mobile Radio
FDMA Frequency Division Multiple Access
ICS Implementation Conformance Statement

IP Internet Protocol

ISF Initial Services and Facilities
IUT Implementation Under Test

MS Mobile Station
OACSU Off-Air Call Set-Up

PICS Protocol Implementation Conformance Statement

PTT Push To Talk
SUT System Under Test

# 4 Conformance to this PICS proforma specification

If it claims to conform to the present document, 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 the present document, shall be a conforming PICS proforma completed in accordance with the guidance for completion given in clause A.1.

# Annex A (normative): Protocol ICS proforma for TS 102 490

Notwithstanding the provisions of the copyright clause related to the text of the present document, ETSI grants that users of the present document 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 Purposes and structure

The purpose of this PICS proforma is to provide a mechanism whereby a supplier of an implementation of the requirements defined in TS 102 490 [1], may provide information about the implementation in a standardized manner.

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

- guidance for completing the PICS proforma;
- identification of the implementation;
- identification of the TS 102 490 [1];
- global statement of conformance;
- entity;
- type ISF, CSF;
- MS features:
  - capabilities;
  - frames;
  - timers.

### A.1.2 Abbreviations and conventions

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, it is impossible to use the capability.

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

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 an unique conditional status expression which is defined immediately following the table.

irrelevant (out-of-scope) - capability outside the scope of the reference specification. No answer is requested from the supplier.

NOTE 1: This use of "i" status is not to be confused with the suffix "i" to the "o" and "c" statuses above.

#### Reference column

i

The reference column makes reference to TS 102 490 [1], except where explicitly stated otherwise.

#### 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).

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 space for comments provided at the bottom of the table. It uses predicates defined in the 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 1: ?3: IF prof1 THEN Y ELSE N.

NOTE 2: As stated in ISO/IEC 9646-7 [3], support for a received 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.

#### Values allowed column

The values allowed column contains the type, the list, the range or the length of values allowed. The following notations are used:

• range of values: <min value> .. <max value>

example: 5 .. 20

• list of values: <value1>, <value2>, ..., <valueN>

example: 2, 4, 6, 8, 9

example: '1101'B, '1011'B, '1111'B example: '0A'H, '34'H, '2F'H

list of named values: <name1>(<val1>), <name2>(<val2>), ..., <nameN>(<valN>)

example: reject(1), accept(2)

• length: size (<min size> .. <max size>)

example: size (1 .. 8)

#### 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 a unique reference exists, 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 are discriminated by letters (a, b, etc.), respectively.

EXAMPLE 2: A.5/4 is the reference to the answer of item 4 in table A.5 of annex A.

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

table A.6 of annex A.

#### Prerequisite line

A prerequisite line takes the form: Prerequisite: cpredicate.

A prerequisite line after a clause or table title indicates that the whole clause or the whole table is not required to be completed if the predicate is FALSE.

### 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. In particular, an explicit answer shall be entered, in each of the support or supported column boxes provided, using the notation described in clause A.1.2.

However, the tables containing in "Mobile Station MS" clause shall only be completed for MS implementations, and the tables containing in "Base Station BS" clause shall only be completed for BS implementations.

If necessary, the supplier may provide additional comments in space at the bottom of the tables or separately.

More detailed instructions are given at the beginning of the different clauses of the PICS proforma.

# 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 IUT name:	Implementation Under Test (IUT) identification
IUT version	
A.2.3 SUT name:	System Under Test (SUT) identification
Hardware co	onfiguration:
Operating sy	vstem:
A.2.4 Name:	Product supplier
Address:	

Telephone number:
Facsimile number:
E-mail address:
Additional information:
A.2.5 Client (if different from product supplier)
Address:
Telephone number:
Facsimile number:
E-mail address:
Additional information:
A.2.6 ICS contact person  (A person to contact if there are any queries concerning the content of the ICS.)
Name:
Telephone number:

Facsimile nu	mber:					
E-mail addre	ss:					
Additional ir	formation:					
A.3	Identification	n of the proto	col			
This PICS pr	oforma applies to the fol	lowing standard:				
	1]: "Electromagnetic con o using FDMA with a cha					tal Private
A.4	Global state	ment of conf	ormance			
Are all mand	atory capabilities implen	nented? (Yes/No)				
NOTE:	Non-supported mandato	question indicates non-cory capabilities are to be conforming, on pages atta	identified in the PI	CS, with a		
A.5	Entity					
		Table A.1:	Entity			
	Item	Entity type	Reference	Status	Support	
	1 ISF	· •	[1] clause 8.1	0.1		
	2 CSF		[1] clause 8.2	0.1		
1 T.	1	d 6d 5				

o.1:	It is mandatory to support exactly one of these items.

Comments:	

# A.6 ISF

Comments:

Table A.2: ISF type

Prerec	uisite: A.1/1 ISF			
Item	ISF type	Reference	Status	Support
1	Voice	[1] clause 8.1	m	
2	Type 2 data	[1] clause 8.1	0	
3	Type 1 data	[1] clause 8.1	0	

nents:					
.011031					
•••••	•••••				
		Table A.3: ISF Voice supp	lementary serv	ices	
Б					
		uisite: A.2/1 ISF Voice		<b>0</b>	
	Item	Service	Reference	Status	Support
_		Late entry	[1] clause 8.1	m	
_		All call	[1] clause 8.1	0	
_	_	PTT call	[1] clause 8.1	m	
_		Slow user data	[1] clause 8.1	0	
	5	Talking Party Identification	[1] clause 8.1	0	
ments:					
•••••	•••••			•••••	•••••
•••••			••••••	••••••	••••••
		Table A.4: Type 2 dat	a Tolo-sorvicos		
		Table A.4. Type 2 dat	a reie-services	)	
Ī	Prereq	uisite: A.2/2 Type 2 data			
	Item	Tele-service	Reference	Status	Support
	1	IP over dPMR	[1] clause 8.1	o.a	
	2	Group Short Data message	[1] clause 8.1	o.a	
L				ı	
It is manda	itory to	support at least one of these items.			
	•	**			

Table A.5: ISF Type 2 data Supplementary services

Prerec	uisite: A.4/2 Type 2 group short data	a message		
Item	Supplementary service	Reference	Status	Support
1	Status message	[1] clause 8.1	0.5	
2	Precoded message	[1] clause 8.1	0.5	
3	Free text message	[1] clause 8.1	0.5	
4	Short file transfer	[1] clause 8.1	0.5	

5: It is manda	1 2	Table A.6: ISF Type  uisite: A.2/3 Type 1 data  Tele-service  IP over dPMR  Group Short Data message	Reference [1] clause 8.1 [1] clause 8.1	Status           0.6           0.6	Support
5: It is manda	1 2	Tele-service IP over dPMR	[1] clause 8.1	0.6	Support
5: It is manda	1 2	IP over dPMR	[1] clause 8.1	0.6	Сиррог
It is manda	2				
It is manda	1	C. oup Choir Data Moodago	[1] 0.0000 0.1	0.0	1
•••••					
	Preren	Table A.7: Type 1 data suisite: A 6/2 Type 1 group short		rvices	
	Prerequilitem	Table A.7: Type 1 data suisite: A.6/2 Type 1 group short Tele-service	data message		Support
	Item	uisite: A.6/2 Type 1 group short  Tele-service	data message  Reference	Status 0.7	Support
	Item 1	uisite: A.6/2 Type 1 group short	data message	Status	Support
	1 2	uisite: A.6/2 Type 1 group short  Tele-service  Status message	data message  Reference  [1] clause 8.1	Status 0.7	Support

# A.7 CSF

Table A.8: CSF type

Item	CSF type	Reference	Status	Support
1	Voice	[1] clause 8.2	m	
2	Type 3 data	[1] clause 8.2	0	
3	Type 2 data	[1] clause 8.2	0	
4	Type 1 data	[1] clause 8.2	0	
5	Numbering and dialling	[1] clauses A.2 and A.3	0	

Prerequisite: A.8/1 CSF Voice    Item   Tele-service   Reference   Status   Support		Table A.9: CSF	Voice Tele-services		
1 Individual call [1] clause 8.2 0.9 2 Group call [1] clause 8.2 0.9  It is mandatory to support at least one of these items.			Deference	Ctatus	Cupport
2 Group call [1] clause 8.2 0.9  It is mandatory to support at least one of these items.				1	Support
It is mandatory to support at least one of these items.				1	
	datory to	support at least one of these item	S.		

Prerec	uisite: A.9/1 CSF individual call			
Item	Supplementary service	Reference	Status	Support
1	Late entry	[1] clause 8.2	m	
2	OACSU	[1] clause 8.2	0	
3	Cancel Call Setup	[1] clause 8.2	0	
4	PTT Call	[1] clause 8.2	0	
5	Slow user data	[1] clause 8.2	0	
6	Short appended data	[1] clause 8.2	0	
7	Talking party identification	[1] clause 8.2	0	

Comments:			
	 	••••••	•••••

Table A.11: CSF Voice group call supplementary services

Prerec	Prerequisite: A.9/2 CSF group call							
Item	Supplementary service	Reference	Status	Support				
1	Late entry	[1] clause 8.2	m					
2	Broadcast Call	[1] clause 8.2	0					
3	PTT Call	[1] clause 8.2	0					
4	Slow user data	[1] clause 8.2	0					
5	Short appended data	[1] clause 8.2	0					
6	Talking party identification	[1] clause 8.2	0					

•••••	••••••••		••••••	••••••	
		Table A.12: CSF Type	3 data Tele-servi	ces	
	Drorogu	visito: A9/2 CSE Typo 2 data			
	Item	uisite: A8/2 CSF Type 3 data  Tele-service	Reference	Status	Support
		P over dPMR	[1] clause 8.2	0.12	Support
		ndividual Short Data message	[1] clause 8.2	0.12	
		Hawada Chort Bata Meddago	[1] 0/4400 0.2	0.12	
		ble A.13: CSF Type 3 individual		ntary ser	vices
	Prerequ	uisite: A.12/2 type 1 individual sho	ort data message		
	Prerequ Item	uisite: A.12/2 type 1 individual sho Supplementary service	ort data message  Reference	Status	vices
	Prerequ Item	uisite: A.12/2 type 1 individual sho	ort data message		
Comments:	Prerequ Item	uisite: A.12/2 type 1 individual sho Supplementary service	ort data message  Reference	Status	
Comments:	Prerequ Item	uisite: A.12/2 type 1 individual sho Supplementary service	ort data message  Reference	Status	

Table A. 17. OOL TVDC & data 1 cic-3ci vice	Table /	A.14: CSF	Type 2 data	Tele-services
---	---------	-----------	-------------	---------------

Prerec	uisite: A8/3 CSF Type 2 data			
Item	Tele-service	Reference	Status	Support
1	IP over dPMR	[1] clause 8.2	0.14	
2	Individual Short Data message	[1] clause 8.2	0.14	
3	Group Short Data message	[1] clause 8.2	0.14	
3	Group Short Data message	[1] clause 8.2	0.14	

	***************************************	
Comme	ts:	
o.14:	is mandatory to support at least one of these items.	

Table A.15: CSF Type 2 individual data Supplementary services

Prerec	Prerequisite: A.14/2 type 2 individual short data message							
Item	Supplementary service	Reference	Status	Support				
1	Status message	[1] clause 8.2	o.15					
2	Precoded message	[1] clause 8.2	o.15					
3	Free text message	[1] clause 8.2	o.15					
4	Short file transfer	[1] clause 8.2	o.15					

o.16: It is man	Prerequired 1 S S F S F S F S F S F S F S F S F S F	rable A.16: CSF Type 2 group datasisite: A.14/3 type 2 group short datasisites Supplementary service Status message Precoded message Free text message Short file transfer		Status 0.16 0.16	Support
o.16: It is man	1 S 2 F 3 F 4 S	Supplementary service Status message Precoded message Tree text message	Reference [1] clause 8.2 [1] clause 8.2	0.16	Support
o.16: It is man	1 S 2 F 3 F 4 S	Status message Precoded message Free text message	[1] clause 8.2 [1] clause 8.2	0.16	Support
16: It is man	2 F 3 F 4 S	Precoded message Tree text message	[1] clause 8.2		
6: It is man	3 F 4 S	ree text message		0.16	
16: It is man	4 8		[1] clause 8.2		
16: It is man	1	Short file transfer		0.16	
16: It is man			[1] clause 8.2	0.16	
				000	
	Preregu	Table A.17: CSF Type 1	data Tele-servi		
	Prerequ Item	Table A.17: CSF Type 1 isite: A8/4 CSF Type 1 data Tele-service	data Tele-servi	Status	Support
	Item	isite: A8/4 CSF Type 1 data  Tele-service	Reference	Status	Support
	Item 1	isite: A8/4 CSF Type 1 data			Support

Table A.18: CSF Type 1 individual data Supplementary services

Prerec	Prerequisite: A.17/2 type 1 individual short data message							
Item	Supplementary service	Reference	Status	Support				
1	Status message	[1] clause 8.2	o.18					
2	Precoded message	[1] clause 8.2	o.18					
3	Free text message	[1] clause 8.2	o.18					
4	Short file transfer	[1] clause 8.2	o.18					

~					
mments:					
	••••••		•••••	•••••	••••••
		Table A.19: CSF Type 1 group da	ta Supplement	arv servi	ces
		uisite: A.17/3 type 1 group short data			1
	Item	Supplementary service	Reference	Status	Support
	1	Status message	[1] clause 8.2	o.19	
	2	Precoded message	[1] clause 8.2	0.19	
	3	Free text message	[1] clause 8.2	0.19	
	4	Short file transfer	[1] clause 8.2	0.19	
		Table A.20: Numberi	ng and dialling		
		uisite: A.8/5 Numbering and Dialling		Status	Support
	Item	uisite: A.8/5 Numbering and Dialling  Procedure	Reference	Status	Support
	Item	uisite: A.8/5 Numbering and Dialling Procedure Address space mapping	Reference [1] clause A.2	Status m	Support
	Item 1	uisite: A.8/5 Numbering and Dialling  Procedure	Reference	m	Support
Comments:	Item 1	uisite: A.8/5 Numbering and Dialling Procedure Address space mapping	Reference [1] clause A.2	m	Support
	Item 1	uisite: A.8/5 Numbering and Dialling Procedure Address space mapping	Reference [1] clause A.2	m	Support

Table A.21: Standard User Interface derived functions

Prerec	uisite: A.20/2 User dialling plan			
Item	Function	Reference	Status	Support
1	Dialling string convention	[1] clause A.2.3	m	
2	Call initiation	[1] clause A.3.1.1	m	
3	Call type determination	[1] clause A.3.1.2	m	
4	Call modifier	[1] clause A.3.1.3	0	
5	MS address	[1] clause A.3.3.1	m	
6	Talkgroup identification	[1] clause A.3.3.2	m	
7	All call addressing	[1] clause A.3.3.3	m	
8	Invalid numbers	[1] clause A.3.3.4	m	
9	Talkgroup addressing	[1] clause A.3.3.5	m	
10	Caller dialling	[1] clause A.3.4.1	m	
11	Call modifier function	[1] clause A.3.4.2	0	
12	Call abandon	[1] clause A.3.4.3	0	

Comments:		

# A.8 MS features

# A.8.1 Features

Table A.22: MS feature

Item	Feature	Reference	Status	Support
1	Channel access	[1] clause 10	m	
2	Powersave	[1] clause 11	0	

Comments:	

**Table A.23: Channel Access features** 

Prerec	uisite:			
Item	Feature	Reference	Status	Support
1	Listen before transmit	[1] clause 10.1	m	
2	Transmitter hangtime procedure	[1] clause 10.2	0	
3	Receiver hangtime procedure	[1] clause 10.2	m	
4	Call duration timer	[1] clause 10.3	m	
5	Channel access procedure	[1] clause 10.4	m	
6	Transmit retry procedure	[1] clause 10.5	m	

Comments:		
••••••	 	 •••••

Table A.24: ISF Channel Access procedure

Prerec	uisite: A.23/5			
Item	Procedure	Reference	Status	Support
1	Impolite channel access	[1] clause 10.4	0.24	
2	Polite to own CC	[1] clause 10.4	0.24	

o.24:	It is mandatory to support at least one of these items.	
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omments:	
	•••••

**Table A.25:CSF Channel Access procedure** 

Prerec	quisite: A.23/5			
Item	Procedure	Reference	Status	Support
1	Impolite channel access	[1] clause 10.4	0.25	
2	Polite to own group or talkgroup	[1] clause 10.4	0.25	
3	Polite to own CC	[1] clause 10.4	0.25	

	0.25:	It is mandator	v to support	at least o	one of these	items
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Comments:		

### A.8.2 Frames

Table A.26: Frames

Item	Frame	MS sending		MS re	ceiving		
		Reference	Status	Support	Reference	Status	Support
	Frame 1, 2, 3, 4 of Superframe	[1] clause 5.1	m		[1] clause 5.1	m	
2	Header frame	[1] clause 5.2	m		[1] clause 5.2	m	
3	End frame	[1] clause 5.3	m		[1] clause 5.2	m	
4	Packet Header frame	[1] clause 5.4	c2601		[1] clause 5.4	c2601	
5	Packet Data frame	[1] clause 8.3	c2601		[1] clause 8.3	c2601	
6	Acknowledgement	[1] clause 5.5	c2601		[1] clause 5.5	c2601	

c2601: IF A.1/2 THEN m ELSE n/a	
Comments:	
	••

# A.8.3 Timers

Table A.27: MS CCL timers

Item	CCL Timer	Reference	Status	Support	Values	
					Allowed	Supported
1	T_ch_chk	[1] clause 10.6.1	m		min. 100 ms	
2	T_ch_free	[1] clause 10.6.1	m		min. 200 ms	
3	Call Duration	[1] clause 10.3	m		max. 180 s	
4	T_ack	[1] clause 10.4.1,	m		max 3 s	
		clause 10.6.1				

Comments:		

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