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Radio Equipment and Systems (RES); HIgh PErformance Radio Local Area Network (HIPERLAN) Type 1; Conformance testing specification; Part 2: Protocol Implementation Conformance Statement (PICS) proforma specification

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Foreword

This final draft European Telecommunication Standard (ETS) has been produced by the ETSI Project Broadband Radio Access Networks (BRAN) of the European Telecommunications Standards Institute (ETSI), and is now submitted for the Voting phase of the ETSI standards approval procedure.

This ETS consists of 4 parts:

Part 1: "Radio type approval and Radio Frequency (RF) conformance test 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) specification".

To evaluate conformance of a particular implementation, it is necessary to have a statement of which capabilities and options have been implemented for a given Open Systems Interconnection (OSI) protocol. Such a statement is called a Protocol Implementation Conformance Statement (PICS).

Proposed transposition dates	
Date of latest announcement of this ETS (doa):	3 months after ETSI publication
Date of latest publication of new National Standard or endorsement of this ETS (dop/e):	6 months after doa
Date of withdrawal of any conflicting National Standard (dow):	6 months after doa

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1 Scope

This European Telecommunication Standard (ETS) provides the Protocol Implementation Conformance Statement (PICS) proforma for the RES HIPERLAN protocol as specified in ETS 300 652 [1] in compliance with the relevant requirements and in accordance with the relevant guidance given in ISO/IEC 9646-7 [3].

The supplier of a protocol implementation which is claimed to conform to ETS 300 652 [1] is required to complete a copy of the PICS proforma provided in annex A of this ETS and is required to provide the information necessary to identify both the supplier and the implementation.

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 300 652 (1996) and prA1 (1996): "Radio Equipment and Systems (RES); HIgh PErformance Radio Local Area Network (HIPERLAN); Type 1; Functional specification".

[2] ISO/IEC 9646-1 (1994): "Information technology - Open systems interconnection - Conformance testing methodology and framework - Part 1: General concepts".

[3] ISO/IEC 9646-7 (1994): "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, in addition to those given in ETS 300 652 [1]:

PICS proforma: A document, in the form of a questionnaire, designed by the protocol specifier or conformance test suite specifier, which, when completed for an OSI implementation or system, becomes the PICS (see ISO/IEC 9646-1 [2]).

Protocol Implementation Conformance Statement (PICS): A statement made by the supplier of an OSI implementation or system, stating which capabilities have been implemented for a given OSI protocol (see ISO/IEC 9646-1 [2]).

static conformance review: A review of the extent to which the static conformance requirements are met by the Implementation Under Test (IUT), accomplished by comparing the PICS with the static conformance requirements expressed in the relevant standard(s) (see ISO/IEC 9646-1 [2]).

3.2 Abbreviations

For the purposes of this ETS, the following abbreviations apply, in addition to those given in ETS 300 652 [1]:

AND	Boolean "and"
ATS	Abstract Test Suite
HEU	HIPERLAN Enhancement Unit
IUT	Implementation Under Test
M	Mandatory requirement (to be observed in all cases)
MC	Major Capabilities
N/A	Not applicable, not supported or the conditions for status are not met
No	not supported
NOT	Boolean "not"

O	Option (may be selected to suit the implementation, provided that any requirements applicable to the option are observed)
O.n	Options, but support required for either at least one or only one of the options in the group labelled with the same numeral "n"
OR	Boolean "or"
OSI	Open Systems Interconnection
P	Parameters
PICS	Protocol Implementation Conformance Statement
RF	Radio Frequency
SC	Subsidiary Capabilities
SCS	System Conformance Statement
SUT	System Under Test
TM	Timers
TSS&TP	Test Suite Structure and Test Purposes
X	Prohibited
Yes	Supported

4 Conformance

A PICS proforma which conforms to this PICS proforma specification shall be technically equivalent to annex A, and shall preserve the numbering and ordering of the items in annex A.

A PICS which conforms to this PICS proforma specification shall:

a) describe an implementation which claims to conform to ETS 300 652 [1];
b) be a conforming PICS proforma which has been completed in accordance with the instructions for completion given in clause A.1;
c) include the information necessary to uniquely identify both the supplier and the implementation.

Annex A (normative): PICS proforma

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 Instructions for completing the PICS proforma

A.1.1 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.

The System Conformance Statement (SCS) as defined in ISO/IEC 9646-1 [2] is a document supplied by the client or product supplier that summarizes which OSI International Standards, ETSs or other standards are implemented and to which conformance is claimed. The PICS/SCS subclause should describe the relationship of the PICS to the SCS.

A.1.2 Global statement of conformance

If the answer to the statement in this subclause is "Yes", all subsequent subclauses should be completed to facilitate selection of test cases for optional functions.

If the answer to the statement in this subclause is "No", all subsequent subclauses should be completed, and all non-supported mandatory capabilities should be identified and explained. Explanations may be entered in the comments field at the bottom of each table or on attached sheets of paper.

A.1.3 Symbols, abbreviations and terms

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

The reference column contained in the tables gives reference to the appropriate part(s) of ETS 300 652 [1] describing the particular item. Note, however, that a reference merely indicates the place where the core of a description of an item can be found. Any additional information contained in ETS 300 652 [1] has to be taken into account when making a statement about the conformance of that particular item.

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

M	mandatory
O	optional
N/A	not applicable
O.<integer>	for mutually exclusive or selectable options from a set
X	prohibited (excluded)

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

Yes	for supported/implemented
No	for not supported/not implemented
N/A	not applicable

A.2 Identification of the implementation

A.2.1 Implementation Under Test (IUT) identification

IUT name:

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IUT version:

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A.2.2 System Under Test (SUT) identification

SUT name:

.....

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Hardware configuration:

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.....

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Operating system:

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.....

A.2.3 Product supplier

Name:

.....

Address:

.....

.....

.....

Telephone number:

.....

Facsimile number:

.....

Additional information:

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A.2.4 Client

Name:

.....

Address:

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Telephone number:

.....

Facsimile number:

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Additional information:

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A.2.5 PICS contact person

Name:

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Address:

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Telephone number:

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Facsimile number:

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Additional information:

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A.3 PICS/System Conformance Statement (SCS)

Provide the relationship of the PICS with the SCS for the system:

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A.4 Identification of the protocol

This PICS proforma applies to the following standard:

ETS 300 652 (1996 + A1 (1996)): "Radio Equipment and Systems (RES); HIgh PErformance Radio Local Area Network (HIPERLAN) Type 1; Functional specification".

A.5 Global statement of conformance

The implementation described in this PICS meets all the mandatory requirements of the referenced standard:

[ ] **Yes**

[ ] **No**

NOTE: Answering "No" to this question indicates non-conformance to the protocol specification. Non-supported mandatory capabilities are to be identified in the PICS, with an explanation of why the implementation is non-conforming. Explanations may be entered in the comments field at the bottom of each table or on attached sheets of paper.

In the tabulations which follow, all references are to ETS 300 652 [1] unless another numbered reference is explicitly indicated.

A.6 MAC protocol

The tables in this clause are not required to be completed where the SUT is a HIPERLAN Enhancement Unit (HEU) (see PICS item R 6).

A.6.1 Roles

Table A.1: Roles - MAC protocol

Item	Role	Conditions for status	Status	Reference	Support
R 1	forwarder		O.1	11	[ ]Yes [ ]No
R 2	non-forwarder		O.1	11	[ ]Yes [ ]No
R 3	p-saver		O	11	[ ]Yes [ ]No
R 4	p-supporter		O	11	[ ]Yes [ ]No
O.1 Support of one and only one of these options is required.					
Comments:					

A.6.2 Major capabilities

Table A.2: Major capabilities - MAC protocol

Item	Major capability	Conditions for status	Status	Reference	Support
MC 1	HIPERLAN look-up function		M	6.2	[ ]Yes [ ]No
MC 2	Routing information maintenance function		M	6.5	[ ]Yes [ ]No
MC 3	POWER CONSERVATION FUNCTION	R 3 OR R 4 NOT (R 3 OR R 4)	M N/A	6.3	[ ]Yes [ ]No [ ]N/A
MC 4	User data transfer function		M	6.4	[ ]Yes [ ]No
MC 5	HMPDU transfer function		M	6.6	[ ]Yes [ ]No
MC 6	MAC service	R 1 R 2	O M	6	[ ]Yes [ ]No
Comments:					

A.6.3 Subsidiary capabilities

Table A.3: Subsidiary capabilities - MAC protocol

Item	Subsidiary capability	Conditions for status	Status	Reference	Support
SC 1.1	HIPERLAN information query	MC 6 NOT MC 6	M N/A	6.2.1	[ ]Yes [ ]No [ ]N/A
SC 1.2	HIPERLAN information declaration		M	6.2.2	[ ]Yes [ ]No
SC 1.3	HIPERLAN information collection		M	6.2.3	[ ]Yes [ ]No
SC 2.1	Individual-attention pattern declaration	R 3 NOT R 3	M N/A	6.3.1	[ ]Yes [ ]No [ ]N/A
SC 2.2	Group-attendance pattern declaration	R 4 NOT R 4	M N/A	6.3.2	[ ]Yes [ ]No [ ]N/A
SC 2.3	Individual-attention pattern recording	R 4 NOT R 4	M N/A	6.3.3	[ ]Yes [ ]No [ ]N/A
SC 2.4	Group-attendance pattern recording	R 3 NOT R 3	M N/A	6.3.4	[ ]Yes [ ]No [ ]N/A
SC 2.5	Expired individual-attention pattern entry removal	R 4 NOT R 4	M N/A	6.3.5	[ ]Yes [ ]No [ ]N/A
SC 2.6	Expired group-attendance pattern entry removal	R 3 NOT R 3	M N/A	6.3.6	[ ]Yes [ ]No [ ]N/A
SC 3.1	Sanity check computation	SC 3.2 NOT SC 3.2	M N/A	6.4.1	[ ]Yes [ ]No [ ]N/A
SC 3.2	User data encryption-decryption	MC 6 NOT MC 6	O N/A	6.4.2	[ ]Yes [ ]No [ ]N/A
SC 3.3	HMQoS failure reporting	MC 6 NOT MC 6	M N/A	6.4.3	[ ]Yes [ ]No [ ]N/A
SC 3.4	User data acceptance	MC 6 NOT MC 6	M N/A	6.4.4	[ ]Yes [ ]No [ ]N/A
SC 3.5	User data delivery	MC 6 NOT MC 6	O N/A	6.4.5	[ ]Yes [ ]No [ ]N/A
SC 3.6	User data forwarding	R 1 R 2	M X	6.4.6	[ ]Yes [ ]No
SC 4.1	Route determination		M	6.5.1	[ ]Yes [ ]No
SC 4.2	Route information base establishment		M	6.5.2	[ ]Yes [ ]No
SC 4.3	Multipoint relay selection		M	6.5.3	[ ]Yes [ ]No
SC 4.4	Neighbour information declaration		M	6.5.4	[ ]Yes [ ]No
SC 4.5	Neighbour information recording		M	6.5.5	[ ]Yes [ ]No
SC 4.6	Source multipoint relay information declaration	R 1 R 2	M X	6.5.6	[ ]Yes [ ]No
SC 4.7	Source multipoint relay information recording	R 1 R 2	M O	6.5.7	[ ]Yes [ ]No
SC 4.8	TC-HMPDU forwarding	R 1 R 2	M X	6.5.8	[ ]Yes [ ]No
SC 4.9	Alias address learning		M	6.5.9	[ ]Yes [ ]No
SC 4.10	Expired neighbour entry removal		M	6.5.10	[ ]Yes [ ]No
SC 4.11	Expired source multipoint relay entry removal	R 1 R 2	M X	6.5.11	[ ]Yes [ ]No
SC 4.12	Expired topology entry removal	SC 4.7 NOT SC 4.7	M N/A	6.5.12	[ ]Yes [ ]No [ ]N/A

(continued)

Table A.3 (concluded): Subsidiary capabilities - MAC protocol

Item	Subsidiary capability	Conditions for status	Status	Reference	Support
SC 4.13	Expired alias entry removal		M	6.5.13	[ ]Yes [ ]No
SC 5.1	Expired HMPDU removal		M	6.6.1	[ ]Yes [ ]No
SC 5.2	HMPDU selection		M	6.6.2	[ ]Yes [ ]No
SC 5.3	HMPDU transmission		M	6.6.3	[ ]Yes [ ]No
SC 5.4	HMPDU reception		M	6.6.4	[ ]Yes [ ]No
SC 5.5	Expired duplicate detection entry removal		M	6.6.5	[ ]Yes [ ]No
Comments:					

A.6.4 Protocol data units

Table A.4: HMPDUs transmitted - MAC protocol

Item	HMPDU	Conditions for status	Status	Reference	Support
PDUt 1	DT-HMPDU		M	6.7.3	[ ]Yes [ ]No
PDUt 2	LR-HMPDU	SC 1.1 NOT SC 1.1	M N/A	6.7.4	[ ]Yes [ ]No [ ]N/A
PDUt 3	LC-HMPDU		M	6.7.4	[ ]Yes [ ]No
PDUt 4	IP-HMPDU	R 3 NOT R 3	M N/A	6.7.5	[ ]Yes [ ]No [ ]N/A
PDUt 5	GP-HMPDU	R 4 NOT R 4	M N/A	6.7.5	[ ]Yes [ ]No [ ]N/A
PDUt 6	TC-HMPDU	R 1 R 2	M X	6.7.6	[ ]Yes [ ]No
PDUt 7	HO-HMPDU		M	6.7.7	[ ]Yes [ ]No
Comments:					

Table A.5: HMPDUs received - MAC protocol

Item	HMPDU	Conditions for status	Status	Reference	Support
PDUr 1	DT-HMPDU	R 1 OR SC 3.5 NOT (R 1 OR SC 3.5)	M N/A	6.7.3	[ ]Yes [ ]No [ ]N/A
PDUr 2	LR-HMPDU		M	6.7.4	[ ]Yes [ ]No
PDUr 3	LC-HMPDU		M	6.7.4	[ ]Yes [ ]No
PDUr 4	IP-HMPDU	R 4 NOT R 4	M N/A	6.7.5	[ ]Yes [ ]No [ ]N/A
PDUr 5	GP-HMPDU	R 3 NOT R 3	M N/A	6.7.5	[ ]Yes [ ]No [ ]N/A
PDUr 6	TC-HMPDU	SC 4.7 NOT SC 4.7	M N/A	6.7.6	[ ]Yes [ ]No [ ]N/A
PDUr 7	HO-HMPDU		M	6.7.7	[ ]Yes [ ]No
Comments:					

A.7 CAC protocol

A.7.1 Roles

Table A.6: Roles - CAC protocol

Item	Role	Conditions for status	Status	Reference	Support
R 5	Normal HIPERLAN implementation		O.2	11	[ ]Yes [ ]No
R 6	HIPERLAN Enhancement Unit (HEU)		O.2	11	[ ]Yes [ ]No
O.2 Support of one and only one of these options is required.					
Comments:					

A.7.2 Major capabilities

Table A.7: Major capabilities - CAC protocol

Item	Major capability	Conditions for status	Status	Reference	Support
MC 7	EY-NPMA		M	8.2	[ ]Yes [ ]No
MC 7.1	Channel access in channel free condition		M	8.2.5.1	[ ]Yes [ ]No
MC 7.2	Channel access in synchronized channel condition	R 5 R 6	O M	8.2.5.2	[ ]Yes [ ]No
MC 7.3	Channel access in hidden elimination condition	MC 7.2 NOT MC 7.2	M N/A	8.2.5.3	[ ]Yes [ ]No [ ]N/A
MC 8	Channel permission function		M	8.3	[ ]Yes [ ]No
MC 8.1	Channel permission declaration	R 5 R 6	X M	8.3.1	[ ]Yes [ ]No
MC 8.2	Channel permission recording	R 5 R 6	M X	8.3.2	[ ]Yes [ ]No
MC 8.3	Channel permission invalidation	R 5 R 6	M X	8.3.3	[ ]Yes [ ]No
MC 9	User data transfer function	R 5 R 6	M X	8.4	[ ]Yes [ ]No
MC 10	HCPDU transfer function		M	8.5	[ ]Yes [ ]No
Comments:					

A.7.3 Subsidiary capabilities

Table A.8: Subsidiary capabilities - CAC protocol

Item	Subsidiary capability	Conditions for status	Status	Reference	Support
SC 6.1	Prioritization phase	MC 7.2 NOT MC 7.2	M N/A	8.2.1	[ ]Yes [ ]No [ ]N/A
SC 6.2	Elimination phase	MC 7.2 NOT MC 7.2	M N/A	8.2.2	[ ]Yes [ ]No [ ]N/A
SC 6.3	Yield phase	MC 7.2 NOT MC 7.2	M N/A	8.2.3	[ ]Yes [ ]No [ ]N/A
SC 6.4	Transmission phase		M	8.2.4	[ ]Yes [ ]No
SC 7.1	Synchronized transfer invitation	R 5 AND MC 7.2 R 5 AND NOT MC 7.2 R 6	M N/A X	8.4.1	[ ]Yes [ ]No [ ]N/A
SC 7.2	Free transfer invitation	R 5 R 6	M X	8.4.2	[ ]Yes [ ]No
SC 7.3	Free transfer cancellation	R 5 R 6	M X	8.4.3	[ ]Yes [ ]No
SC 7.4	User data refusal	R 5 R 6	M X	8.4.4	[ ]Yes [ ]No
SC 7.5	User data acceptance	R 5 R 6	M X	8.4.5	[ ]Yes [ ]No
SC 7.6	User data delivery	R 5 R 6	M X	8.4.6	[ ]Yes [ ]No
SC 8.1	LBR-part checksum computation		M	8.5.1	[ ]Yes [ ]No
SC 8.2	HBR-part checksum computation		M	8.5.2	[ ]Yes [ ]No
SC 8.3	Hashed destination address computation		M	8.5.3	[ ]Yes [ ]No
SC 8.4	LBR-HBR HCPDU transmission		M	8.5.4	[ ]Yes [ ]No
SC 8.5	HCPDU reception		M	8.5.5	[ ]Yes [ ]No
SC 8.6	Rejection of HCPDU containing HDACS or BLIRCS error(s)		O	8.5.5	[ ]Yes [ ]No
Comments:					

A.7.4 Protocol data units

Table A.9: HCPDUs transmitted - CAC protocol

Item	HCPDU	Conditions for status	Status	Reference	Support
PDUt 8	AK-HCPDU	MC 9 NOT MC 9	M N/A	8.6.3	[ ]Yes [ ]No [ ]N/A
PDUt 9	CP-HCPDU	MC 8.1 NOT MC 8.1	M N/A	8.6.4	[ ]Yes [ ]No [ ]N/A
PDUt 10	DT-HCPDU	MC 9 NOT MC 9	M N/A	8.6.5	[ ]Yes [ ]No [ ]N/A
Comments:					

Table A.10: HCPDUs received - CAC protocol

Item	HCPDU	Conditions for status	Status	Reference	Support
PDUr 8	AK-HCPDU		M	8.6.3	[ ]Yes [ ]No
PDUr 9	CP-HCPDU		M	8.6.4	[ ]Yes [ ]No
PDUr 10	DT-HCPDU		M	8.6.5	[ ]Yes [ ]No
Comments:					

A.8 PHY protocol

A.8.1 Roles

Table A.11: Roles - PHY protocol

Item	Role	Conditions for status	Status	Reference	Support
R 7	Transmitter class A, receiver class A		O.3	9.1	[ ]Yes [ ]No
R 8	Transmitter class A, receiver class B		O.3	9.1	[ ]Yes [ ]No
R 9	Transmitter class A, receiver class C		O.3	9.1	[ ]Yes [ ]No
R 10	Transmitter class B, receiver class B		O.3	9.1	[ ]Yes [ ]No
R 11	Transmitter class B, receiver class C		O.3	9.1	[ ]Yes [ ]No
R 12	Transmitter class C, receiver class C		O.3	9.1	[ ]Yes [ ]No
O.3 Support of one and only one of these options is required.					
Comments:					

A.8.2 Major capabilities

Table A.12: Major capabilities - PHY protocol

Item	Major capability	Conditions for status	Status	Reference	Support
MC 11	Operation on all 5 channels		M	9.2.1	[ ]Yes [ ]No
MC 12	Channel change function		M	9.10.2	[ ]Yes [ ]No
MC 13.1	Minimum receiver input level for receiver class A	R 7 NOT R 7	M N/A	9.9.3.1	[ ]Yes [ ]No [ ]N/A
MC 13.2	Minimum receiver input level for receiver class B	R 8 OR R 10 NOT (R 8 OR R 10)	M N/A	9.9.3.1	[ ]Yes [ ]No [ ]N/A
MC 13.3	Minimum receiver input level for receiver class C	R 9 OR R 11 OR R 12 NOT (R 9 OR R 11 OR R 12)	M N/A	9.9.3.1	[ ]Yes [ ]No [ ]N/A
MC 14.1	Maximum transmitter power output for transmitter class A	R 7 OR R 8 OR R 9 NOT (R 7 OR R 8 OR R 9)	M N/A	9.8.1.6	[ ]Yes [ ]No [ ]N/A
MC 14.2	Maximum transmitter power output for transmitter class B	R 10 OR R 11 NOT (R 10 OR R 11)	M N/A	9.8.1.6	[ ]Yes [ ]No [ ]N/A
MC 14.3	Maximum transmitter power output for transmitter class C	R 12 NOT R 12	M N/A	9.8.1.6	[ ]Yes [ ]No [ ]N/A
Comments:					

A.8.3 Subsidiary capabilities

Table A.13: Subsidiary capabilities - PHY protocol

Item	Subsidiary capability	Conditions for status	Status	References	Support
SC 9	Unauthorized antenna prevention		M	9.3	[ ]Yes [ ]No
SC 10.1	Default defer threshold		M	9.4.1	[ ]Yes [ ]No
SC 10.2	Adaptive defer threshold scheme		O	9.4, 9.4,2, 9.4.3	[ ]Yes [ ]No
SC 11.1	Class B transmitter power control	R 10 OR R 11 NOT (R 10 OR R 11)	M N/A	9.8.1.6	[ ]Yes [ ]No [ ]N/A
SC 11.2	Class C transmitter power control	R 12 NOT R 12	M N/A	9.8.1.6	[ ]Yes [ ]No [ ]N/A
SC 12	Signal strength measurement		O	9.10.1	[ ]Yes [ ]No
SC 13	Transmitter power change function	R 10 OR R 11 OR R 12 NOT (R 10 OR R 11 OR R 12)	M N/A	9.10.3	[ ]Yes [ ]No [ ]N/A
SC 14	Channel load measurement		O	9.10.4	[ ]Yes [ ]No
Comments:					

A.8.4 Protocol data units

Table A.14: Protocol data units transmitted - PHY protocol

Item	PHY bursts transmitted	Conditions for status	Status	Reference	Support
PDUt 11	Channel access burst		M	9.5	[ ]Yes [ ]No
PDUt 12	LBR-HBR data burst		M	9.6.2,	[ ]Yes [ ]No
PDUt 13	LBR data burst	R 5 R 6	M X	9.6.3,	[ ]Yes [ ]No
Comments:					

Table A.15: Protocol data units received - PHY protocol

Item	PHY bursts received	Conditions for status	Status	Reference	Support
PDUr 11	Channel access burst		M	9.5	[ ]Yes [ ]No
PDUr 12	LBR-HBR data burst		M	9.6.2	[ ]Yes [ ]No
PDUr 13	LBR data burst		M	9.6.3	[ ]Yes [ ]No
Comments:					

History

Document history			
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