IEEE P802.15
Wireless Personal Area Networks

Project	IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)
Title	**Resolution for LB#87 Comment# 513**
Date Submitted	
Source	[Kunal Shah] Voice: [ ] [Silver Spring Networks] Fax: [ ] [] E-mail: [kshah @ silverspringnet.com]
Re:	[If this is a proposed revision, cite the original document.] [If this is a response to a Call for Contributions, cite the name and date of the Call for Contributions to which this document responds, as well as the relevant item number in the Call for Contributions.] [Note: Contributions that are not responsive to this section of the template, and contributions which do not address the topic under which they are submitted, may be refused or consigned to the "General Contributions" area.]
Abstract	New section for PICS
Purpose	Resolving sponsor ballot comments
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Release	The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.15.

CID# 513: PICS for this amendment missing

Proposed resolution: AP. Include the PICS section as shown in doc#203r0.

Annex D

(informative)

Protocol implementation conformance statement (PICS) proforma[1]

Subclause D.2 is reproduced here to assist the reader in understanding the abbreviations and special symbols in this annex. No changes are made to D.2.

D.2 Abbreviations and special symbols

Notations for requirement status:

M   Mandatory
O   Optional
O.n   Optional, but support of at least one of the group of options labeled O.n is required.
N/A   Not applicable
X   Prohibited
"item": Conditional, status dependent upon the support marked for the "item"

For example, FD1: O.1 indicates that the status is optional but at least one of the features described in FD1 and FD2 is required to be implemented, if this implementation is to follow the standard to which this PICS proforma is part.

D.7 PICS proforma tables

D.7.1 Functional device types

Insert new row to end of Table D.1 (the rest of the table is not shown) as indicated:

Table D.1—Functional device types

Item number	Item description	Reference	Status	Support		
				N/A	Yes	No
FD10	TVWS PHY device	8.1	O.3			
O.3 At least one of these features shall be supported.						

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[1] Copyright release for PICS proformas: Users of this standard may freely reproduce the PICS proforma in this annex so that it can be used for its intended purpose and may further publish the completed PICS.

D.7.2 Major capabilities for the PHY

D.7.2.2 Radio frequency (RF)

Insert the following new rows at the end of Table D.3 (the rest of the table is not shown):

Table D.3—Radio frequency (RF)

Item number	Item description	Reference	Status	Support		
				N/A	Yes	No
RF20	TVWS PHYs					
RF20.1	TVWS FSK	20.1	FD10: O.12			
RF20.2	TVWS OFDM	20.2	FD10: O.12			
RF20.3	TVWS NB-OFDM	20.3	FD10: O.12			
RF20.4	Operate in at least one of the bands	Table 4ic	FD10: M			
RF21	TVWS FSK options					
RF21.1	Support for at least one of the modes	20.1.2 Table 133	RF20.1: M			
RF21.2	TVWS FSK FEC	20.1.2.4	RF20.1: O			
RF21.3	TVWS FSK inter- leaving	20.1.2.5	RF20.1: O			
RF21.4	TVWS FSK spreading	20.1.2.6	RF20.1: O			
RF21.5	TVWS FSK data whitening	20.1.3	RF20.1: O			
RF22	TVWS OFDM operating modes					
RF22.1	Support for MCS0, MCS1 and MCS2 modes	20.2.2 Table 137	RF20.2: M			
RF22.1	Support for MCS3, MCS4 and MCS5 modes	20.2.2 Table 137	RF20.2: O			
RF23	TVWS NB-OFDM operating modes					
RF23.1	Support for at least one of the modes	20.3.3 Table 143	RF20.3: M			
O.12 At least one of these features is supported.						

D.7.3 Major capabilities for the MAC sublayer

D.7.3.1 MAC sublayer functions

Insert the following new row at the end of Table D.5 (the rest of the table is not shown):

Table D.5—MAC sublayer functions

Item number	Item description	Reference	Status	Support		
				N/A	Yes	No
MLF30	Beacon only period	5.1.1.1.3	FD10: O			
MLF31	Direct device-to-device data transfer capability	5.1.6.7.1	FD10: O			
MLF32	Ranging	5.1.8	FD10: O			
MLF33	TVWS power saving	5.1.15	FD10: O			
MLF34	Information elements	5.2.4	FD10: O MLF32: M MLF33: M			