ZIGBEE SMART ENERGY STANDARD

Protocol Implementation Conformance Statement (PICS)

Revision 10

Version 1.4

Sponsored by: Zigbee Alliance

Accepted by: Zigbee Alliance Board of Directors

Abstract: This document lists the PICS for the Smart Energy Standard.

Purpose: Provides a pro-forma on which the capabilities and options of a particular implementation of the Smart Energy Standard can be stated.

Keywords: Zigbee, Qualification, Certification, Standard, Smart Energy, Metering, Energy Management

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References

The following standards contain provisions, which, through reference in this document, constitute provisions of this standard. All the standards listed are normative references. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

1.1 Zigbee Alliance documents

[R1] Zigbee document 05-3474-22:The Zigbee Specification

[R2] Zigbee document 07-5356: Zigbee Smart Energy Standard Revision 21.

[R3] Zigbee document 07-5123-04, Zigbee Cluster Library Specification

[R4] Zigbee document 04300r08: Zigbee Network Layer PICS

[R5] Zigbee document 064147r07: Zigbee Application Layer PICS

[R6] Zigbee document 043171r04: Zigbee Security Layer PICS

[R7] Zigbee document 064113r07: Zigbee Cluster Library PICS

[R8] Zigbee document 08-0006-07: Zigbee 2017 Layer PICS and Stack Profiles

[R9] Zigbee document number 16-05028-001: Zigbee OTA Upgrade Cluster Specification

[R10] Zigbee document number 09-5284-10: Zigbee OTA Upgrade Cluster PICS

[R11] Zigbee document number 09-5473-09: Zigbee OTA Upgrade Cluster Test Specification

1.2 IEEE documents

[R12] IEEE Standard for Part 15.4: Wireless Medium Access Control (MAC) and Physical Layer (PHY) specifications for Low Rate Wireless Personal Area Networks (LR-WPANs), 2015.

1.3 ISO documents

[R13] ISO/IEC 9646-1:1991, Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 1: General concepts.

[R14] ISO/IEC 9646-7:1995, Information technology - Open Systems Interconnection - Conformance testing methodology and framework - Part 7. Implementation conformance statements.

Change history

The following table shows the change history for this specification.

122 **Table 1 – Revision change history**

Revision	Version	Description
R00	-	Initial draft (November, 2007)
R01	-	Updated to Revision 12 of the SE specification and Errata.
R02	-	Updated to Revision 14 of the SE specification
R03	1.0	Fix typo. Update SE specification reference to r14.
R04	1.0	Update SE specification reference to r15. Update section references.
R05	1.1	Update for SE 1.1 release
R06	1.1.1	Update for SE 1.1.1 release Processed CCBs: 1264 - Add support for CV and PTZ (gas conversion factors) to price cluster 1273 - Additional of 'Get Support Tunnel Protocols' Command and Response 1289 - PhysicalEnvironment bit for Mirroring 1301 - Simplified Multi-ESI Time Sync 1430 - PICS requirement (Table 38 - item MCC1) wrong 1431 - PICS requirement (Table 5 - item SEG25) wrong 1432 - PICS requirement (KES1 and KECS1) Mismatch 1437 - DeviceClass is marked read-writeable but write may not be allowed 1486 - End point requirement
R07	1.1b	Update for SE 1.1b release Processed CCBs: 1494 - Add Billing Period Attribute Set to the Price Cluster 1496 - Duplicate Item Number in PICS Document Table [MCS2] 1500 - New metering attribute for block pricing 1570 - Rename Display Device to "In-Home Display" (IHD) Modifications to link the elements of the Block Tariff feature together
R08	1.2a	Update for SE 1.2a release Processed CCBs: 1886 - IntervalReadReportingPeriod - Remove Attribute from the Spec 1999 - Heating and Cooling Mandatory Attributes (for details of changes between 1.1b and 1.2a, please refer to editors' drafting document 13-0453)

R09	1.2b	Tidy up of Trust Center Swap-out section (8.8.14), together with additional entries for new Keep-Alive cluster in Table 8 of section 8.6 CCB 1513 – Rename DRLC End Randomization to Duration Randomization CCB 1880 – Contradictory Naming of DRLC Attribute CCB 2078 – SPE6 Updated to make Fragmentation Mandatory. [*For details of actual changes made from revision 8, refer to Editor's copy (15-0133)*]
R10	1.4	Section 8.8.22 added for new Sub-GHz cluster Other functionality added for Sub-GHz/Multi-MAC operation CCB 2185 - Incorrect dependency listings in PICS document CCB 2216 - Direct CBKE between 2 Non-TC Devices CCB 2258 - PICS item MECS210 has incorrect status CCB 2260 - PICS item MECS284 has incorrect status CCB 2262 - PICS item MECS14 has incorrect status CCB 2303 - Incorrect "status" for PICS item MCC8 CCB 2306 - SE PICS document indicates optional ValidUntilTime attribute as mandatory. CCB 2320 - SEG22 – Wording clarified. [*For details of actual changes made from revision 9, refer to Editor's copy (16-05035)*]

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2 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 given standard. Such a statement is called a protocol implementation conformance statement (PICS).

2.1 Scope

This document provides the protocol implementation conformance statement (PICS) pro forma for the Zigbee specifications cited in Reference [R2] in compliance with the relevant requirements, and in accordance with the relevant guidance, given in ISO/IEC 9646-7.

This document addresses the Zigbee SE Application Profile.

2.2 Purpose

The supplier of a protocol implementation claiming to conform to the Zigbee SE Application Profile shall complete the following PICS pro forma and accompany it with the information necessary to identify fully both the supplier and the implementation.

The PICS is in the form of answers to a set of questions in the PICS pro forma. The questions in a pro forma consist of a systematic list of protocol capabilities and options as well as their implementation requirements. The implementation requirement indicates whether implementation of a capability is mandatory, optional, or conditional depending on options selected. When a protocol implementer answers questions in a PICS pro forma, they would indicate whether an item is implemented or not, and provide explanations if an item is not implemented.

3 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 Number: :*Status*	Status is conditional on support of item number

"*Item Number*": Conditional, status dependent upon the support marked for the "*Item Number*".

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

4 Instructions for completing the PICS pro forma

If a given implementation is claimed to conform to this standard, the actual PICS pro forma to be filled in by a supplier shall be technically equivalent to the text of the PICS pro forma in this annex, and shall preserve the numbering and naming and the ordering of the PICS pro forma.

A PICS which conforms to this document shall be a conforming PICS pro forma completed in accordance with the instructions for completion given in this annex.

The main part of the PICS is a fixed-format questionnaire, divided into five tables. Answers to the questionnaire are to be provided in the rightmost column, either by simply marking an answer to indicate a restricted choice (such as Yes or No), or by entering a value, set, or range of values.

5 Identification of the implementation

Implementation under test (IUT) identification

IUT name:
_____

IUT version:
_____

_____

System under test (SUT) identification

SUT name: SeeZero (00:0C)
_____

Software Version: 08:06:00:00
_____

Hardware Version: 02:00

_____

Operating system (optional):
_____

Specification Versions Implemented

Smart Energy Specification Document Number (include revision): 07-5356-21 _____

Smart Energy Test Specification Document (include revision): 07-5384-23 _____

Product supplier

Name: Green Energy Options Ltd

Address: 3 St. Mary's Court, Main Street, Hardwick, Cambridge, CB23 7Qs, UK
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Facsimile number: _____

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Email address:stuart.haslam@geotogether.com
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Additional information:

_____

PICS/System conformance statement

6 Identification of the protocol

This PICS pro forma applies to Zigbee SE Application Profile, cited in Reference [R2].

7 Global statement of conformance

The implementation described in this PICS pro forma meets all of the mandatory requirements of the referenced standards:

Application Profile: Zigbee SE – 07-5356-21

(•) Yes

( ) No

Note -- Answering 'No' indicates non-conformance to the specified protocol standard. Non-supported mandatory capabilities are to be identified in the following tables, with an explanation by the implementer explaining why the implementation is non-conforming.

The supplier will have fully complied with the requirements for a statement of conformance by completing the statement contained in this sub-clause. That means, by clicking the above, the statement of conformance is complete.

8 PICS pro forma tables

The following tables are composed of the detailed questions to be answered, which make up the PICS pro forma.

8.1 Zigbee Device Types

Table 2 - Functional device types

Item number	Item description	Reference	Status	Support
FDT1	Is this device capable of acting as a Zigbee 2.4GHz Coordinator?	[R1]/ 2.5.4.5.1	[1]O.1	N
FDT2	Is this device capable of acting as a Zigbee 2.4GHz Router?	[R1]/2.5.4.5.2	O.1	N
FDT3	Is this a Zigbee 2.4GHz only End Device?	[R1]/2.5.4.5.5	O.1	Y
FDT4	Is this device capable of acting as a Zigbee Sub-GHz only Coordinator?	[R1]/ 2.5.4.5.1	O.1	N
FDT5	Is this device capable of acting as a Zigbee Multi-MAC Switch Coordinator?	[R1]/1.4.1.2 / [R2]/3.2	O.1	N
FDT6	Is this device capable of acting as a Zigbee Sub-GHz only Router? **NOTE that such a device cannot currently be used in European markets due to Duty Cycle Monitoring limitations**	[R1]/1.4.1.2	O.1	N
FDT7	Is this device capable of acting as a Zigbee Multi-MAC Switch Router? **NOTE that such a device cannot currently be used in European markets due to Duty Cycle Monitoring limitations**	[R1]/1.4.1.2 / [R2]/3.2	O.1	N
FDT8	Is this device capable of acting as a Zigbee Multi-MAC Selection Router? **NOTE that such a device cannot currently be used in European markets due to Duty Cycle Monitoring limitations**	[R1]/1.4.1.2 / [R2]/3.2	O.1	N

[1] O.1 – Device under test must select only one of these options. Devices under test supporting multiple ZigBee device types must serially re-test using each supported ZigBee device type.

Item number	Item description	Reference	Status	Support
FDT9	Is this a Zigbee Sub-GHz only End Device?	[R1]/2.5.4.5.5	O.1	N
FDT10	Is this device capable of acting as a Zigbee Multi-MAC Selection End Device?	[R1]/1.4.1.2 / [R2]/3.2	O.1	N

8.2 Stack Profile

Table 3 –Stack Profile

Item number	Item description	Reference	Status	Support
ZSP1	Is the device built on a Zigbee Compliant Platform certified for the Zigbee stack profile [R8]?	[R4] [R2]/5.2	O.2[2]	N
ZSP2	Is the device built on a Zigbee PRO Compliant Platform certified for the Zigbee PRO stack profile [R8]?	[R8] [R2]/5.2	O.2	Y

8.3 Stack Profile extensions for SE

Table 4 – Stack profile extensions for SE

Item number	Item description	Reference	Status	Support
SPE1	Does the device support Application Link Keys?	[R2]/5.2 [R6]/ASLS6	M	Y
SPE2	Does this device use a stack that supports fragmentation?	[R2]/5.2 [R5]/ADF5, ADF6	M	Y

[2] O.2 – Device under test must be deployed on either of the ZigBee PRO stack profiles.

Item number	Item description	Reference	Status	Support
SPE3	Does this device use any SE Profile Commands that require the use of Fragmentation?	[R2]/5.2 [R5]/ADF5, ADF6	MC1: M MS1: M	Y
SPE4	Does the device adhere to the polling rate specifications given in [R2]/5.2 (i.e. Does your application poll equal to or less often as called out in the specification)?	[R2]/5.2	FDT3: M FDT9: M FDT10: M	Y
SPE5	Does this devices support reception of fragmented messages?		M	Y
SPE6	Does this device support generation of fragmented messages?		M[3]	Y

8.4 SE general requirements support

In the below tables please answer Yes / No for supported , number of instances supported, and end point for each instance. In support one instance can just provide end point number without instance number.

Table 5 – SE general requirements support

Item number	Item description	Reference	Status	Support
SEG1	Does the device support the Zigbee Cluster Library?	[R2]/5.11, 5.12 [R3]	M	Y
SEG2	Does the device support the Zigbee Cluster Library List specified for SE including the mandatory/optional clusters detailed in the ZCL PICs?	[R2]/5.11, 5.12 [R7]	M	Y

[3] CCB 2078

Item number	Item description	Reference	Status	Support
SEG3	Does the device support the Zigbee Cluster Library with the parameters for attribute reporting, reporting configuration and read reporting configuration as detailed in the SE Profile clusters? Editor's Note: Reporting interval constraints and other parameters are mandatory where attribute reporting is used. Support of attribute reporting may be optional or mandatory based on clusters implemented.	[R2]/5.11 [R3]	M	Y
SEG4	Is the device capable of joining a Zigbee SE network and does it interact with a consumer Zigbee Home Area Network only through a bridge device?	[R2]/5.1	FDT2 M FDT3: M FDT6: M FDT7: M FDT8: M FDT9: M FDT10: M	Y
SEG5	Does the device support "E-Mode" commissioning? SE Profile requirement: Those devices that will join an existing network must support button pushes or simple documented user interfaces to initiate the joining process.	[R2]/5.1	FDT2: M FDT3: M FDT6: M FDT7: M FDT8: M FDT9: M FDT10: M For joining devices	Y
SEG6	Deleted	[R2]/5.1		N/A
SEG7	Does the device support the compatible Startup Attribute Set, Join Parameters, Security Parameters, End Device Parameters, Link Status Parameters, Concentrator Parameters, APS Transport Parameters and Binding Parameters?	[R2]/5.3, 5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.3.5, 5.3.6, 5.3.7, 5.3.8, 5.3.9	M	Y
SEG8	Does the device support joining with pre-installed link keys? Note: SE specifies use of Install Codes to derive the link key.	[R2]/5.4.1	FDT2: M FDT3: M FDT6: M FDT7: M FDT8: M FDT9: M FDT10: M	Y

Item number	Item description	Reference	Status	Support
SEG9	Does the device support joining using the Key Establishment cluster?	[R2]/5.4.7	FDT2: M FDT3: M FDT6: M FDT7: M FDT8: M FDT9: M FDT10: M	Y
SEG10	Deleted	[R2]/5.5		NA
SEG11	Does the device support the list of SE preferred channels?	[R2]/5.8.1	O	N
SEG12	Does the device support the SE broadcast policy?	[R2]/5.8.2	O	N
SEG13	Does the device support the SE frequency agility policy?	[R2]/5.8.3	O	N
SEG14	Does the device support the security key update policies for SE networks?	[R2]/5.8.4	M	Y
SEG15	Does the device support the ZCL Time Cluster and SE time synchronization? Editor's Note: Support of the ZCL Time Cluster is not mandatory for all SE devices. The SE device descriptions define the required Time cluster support.	[R2]/5.12.1.1	O	Y
SEG16	Does the device support discovery of optional attributes?	[R2]/5.12	M	Y
SEG17	Does the device application discover and handle unsupported attributes in other devices?	[R2]/5.12	M	Y
SEG18	Does the device support an indication to the user that the network has formed properly?	[R2]/5.5.1	O .	N
SEG19	Does the device support an indication to the user that a device has joined a network successfully?	[R2]/5.5.1	O	Y
SEG20	Does the device support the commissioning modes and provide supporting	[R2]/5.5.2, 5.5.3, 5.5.4	M	Y

Item number	Item description	Reference	Status	Support
	commissioning documentation according to network type?			
SEG21	Does the device use the appropriate security key per cluster?	[R2]/5.4.6	M	Y
SEG22	Does the device support and allow the discovery of Mirrored Endpoints hosted on the device?[4]	[R4]/D.3.4.4.1	O	N
SEG22a[5]	Does the device support discovering another device on the HAN that can host a Mirrored Endpoint?	[R4]/D.3.4.4	O	N
SEG23	Does one of the device support the SE Install Code Formats: 48, 64, 96, or 128 bit number and 16 bit CRC?	[R4]/5.4.8.1.1	O	Y
SEG24	Does the device expect to receive unsolicited messages from the DRLC, Messaging, Metering or Pricing clusters?	[R4]/5.4.5.1	O	Y
SEG25	Does the device support rejoining a secured network?	[R4]/5.4.2	FDT2:M FDT3:M FDT6: M FDT7: M FDT8: M FDT9: M FDT10: M	Y
SEG26	Does the device support devices leaving its network?	[R4]/5.4.3	FDT1:M FDT4:M FDT5:M	[NA]
SEG27	Does the device support updating the Network Key?	[R4]/5.4.4	M	Y
SEG28	Does the device support updating the Link Key?	[R4]/5.4.5	M	Y
SEG29	Does the device support Federated Trust Center functionality?	[R2]/5.6	O	N

[4] CCB 2320
[5] CCB 2320

Item number	Item description	Reference	Status	Support
SEG30	Does the device support Network Interoperabiity?	[R2]/5.13	O	N
SEG31[6]	Does the device support the formation of 'Partner' Link Keys with other non-TC devices?	[R2] /5.4.7.4	FDT2: O FDT3: O FDT6: O FDT7: O FDT8: O FDT9: O FDT10: O	Y
SEG32[7]	Does the device support direct CBKE with another non-TC device (once a 'Partner' Link Key has been established with that other device)?	[R2] /5.4.7.4	FDT2: O FDT3: O FDT6: O FDT7: O FDT8: O FDT9: O FDT10: O	Y
SEG33	Does the device transmit 'High Frequency' messages?	[R2]/5.11	FDT4:M FDT5:M FDT6: O FDT7: O FDT8: O FDT9: O FDT10: O	Y
SEG34	Deleted			
SEG35	Is the device capable of forming a 'Multi-MAC' network?	[R2]/5.14.2	FDT5:M	N
SEG36	Is the device capable of joining a 2.4GHz-only network?	[R2]/5.14.3	FDT2:O FDT3: O FDT7: O FDT8: O FDT10: O	Y
SEG37	Is the device capable of joining a 'Multi-MAC' network?	[R2]/5.14.3	FDT2:O FDT3: O FDT6: O FDT7: O FDT8: O FDT10: O	N

[6] CCB 2216
[7] CCB 2216

Item number	Item description	Reference	Status	Support
SEG38	Is the device capable of re-joining a 2.4GHz-only network?	[R2]/5.14.4	FDT2:O FDT3: O FDT7: O FDT8: O FDT10: O	Y
SEG39	Is the device capable of re-joining a 'Multi-MAC' network?	[R2]/5.14.4	FDT2:O FDT3: O FDT6: O FDT7: O FDT8: O FDT10: O	N
SEG40	Does the device support Power Control functionality?	[R2]/5.14.5	FDT4:O FDT5:O FDT6: O FDT7: O FDT8: O FDT9: O FDT10: O	N
SEG41	Does the device support Duty Cycle Monitoring functionality?	[R2]/5.14.6	FDT4:O FDT5:O FDT9: O FDT10: O	N
SEG42	Does the device support Frequency Agility functionality?	[R2]/5.14.7	FDT4:O FDT5:O FDT6: O FDT7: O FDT8: O FDT9: O FDT10: O	N
SEG43	Does the device power down the Sub-GHz interface while Permit Joining is disabled and no Sub-GHz device has joined the network.	[R2]/5.14.2	FDT5:O	NA

8.5 Zigbee SE device description support

Table 6 – SE device description support

Item number	Item description	Reference	Status	Support
SED1	Is the product programmed as an Energy Service Interface?	[R2]/6.3.1	O.3[8]	N
SED2	Is the product programmed as a Metering Device?	[R2]/6.3.2	O.3	N
SED3	Is the product programmed as an In-Home Display?	[R2]/6.3.3	O.3	Y [Int: EP# 1]
SED4	Is the product programmed as a Programmable Communicating Thermostat (PCT)?	[R2]/6.3.4	O.3	N
SED5	Is the product programmed as a Load Control?	[R2]/6.3.5	O.3	N
SED6	Is the product programmed as a Range Extender?	[R2]/6.3.6	O.3	N
SED7	Is the product programmed as a Smart Appliance?	[R2]/6.3.7	O.3	N
SED8	Is the product programmed as a Prepayment Terminal?	[R2]/6.3.8	O.3	N
SED9	Does the product utilize an endpoint using the Physical Device identifier?	[R2]/6.3.9	O	N
SED10	Is the product programmed as a Remote Communications Device?	[R2]/6.3.10	O.3	N

8.6 SE common clusters

The common cluster ZCL PICs restrictions/requirements are obtained from [R2]/5.11, 5.12.

[8] O.3 – Device under test must select at least one and may select more than one of the SE device descriptions. If multiple SE device descriptions are supported in the same device then each of the supported device descriptions must be deployed on individual endpoints within the device under test.

311 **Table 7 – Common cluster ZCL PICS restrictions/requirements**

ZCL PICS Item number [R7]	Status	Additional Constraints	Support
FC100	M	ZCL Cluster ID enumeration is mandatory	Y
FC1	M	General ZCL Frame Format is mandatory	Y
BCC1	O	Does the device support the Basic Cluster as a client?	Y [Int: EP# 1]
BCS1	M	Does the device support the Basic Cluster as a server?	Y [Int: EP# 1]
GCC1	O	Deleted	NA
GCS1	O	Deleted	NA
ACC1	O	Does the device support the Alarms Cluster as a client?	N
ACS1	O	Does the device support the Alarms Cluster as a server?	N
TCS1		Deleted	NA
TCC1		Deleted	NA

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313 **Table 8 – Common cluster support**

Item number	Item description	Reference	Status	Support
ASDC1	Deleted	[R2]/5.10		NA
ASDC2	Deleted	[R2]/5.10		NA
ASDC3	Deleted	[R2]/5.10		NA
ASDS1	Deleted		O	NA
ASDS2	Deleted			

Item number	Item description	Reference	Status	Support
ASDS3	Deleted			
KEC1	Does the device support the Key Establishment cluster as a client?	[R2]/Annex C.3.1	M	Y [Int: EP# 1]
KES1	Does the device support the Key Establishment cluster as a server?	[R2]/Annex C.3.1	M	Y [Int: EP# 1]
SECC1	Does the device support clusters with Reporting Capability?	[R2]/6.1.1	O	N
SECC2	Are any manufacturer-specific cluster(s) supported?	[R2]/6.1.2	O	N
SECC3	Are any non-SE ZCL or other application cluster(s) supported?	[R2]/6.1.3	O	N
ICS1	Does the device support the Identify cluster?	[R2]/ 6.1	O	N
PCCS1	Does the device support the Power Configuration cluster?	[R2]/ 6.1	O	N
SMC2	Does the device support the Block Tariffs Metering cluster attributes as a client?	[R2]/ 6.1	O	N
SMS2	Does the device support the Block Tariffs Metering cluster attributes as a server?	[R2]/ 6.1	O	N
TCSW1	Does the device support Trust Center Swap-out ?	[R2]/ 6.1	O	N
OTAC1	Does the device support the OTA Upgrade cluster as a client?	[R2]/ 6.1	O	N
OTAS1	Does the device support the OTA Upgrade cluster as a server?	[R2]/ 6.1	O	N
EVS1	Does the device support the Events cluster as a server?	[R2]/ 6.1	O	N
KAC1	Is the device a Router supporting the Keep-Alive cluster *TC Keep-Alive Base* attribute as a client?	[R2] 6.1 / A.3.2.1	FDT2:O FDT6:O FDT7:O FDT8:O	N

Item number	Item description	Reference	Status	Support
			TCSW1b:M	
KAC2	Is the device a Router supporting the Keep-Alive cluster *TC Keep-Alive Jitter* attribute as a client?	[R2] 6.1 / A.3.2.1	FDT2:O FDT6:O FDT7:O FDT8:O TCSW1b:M	N
KAC3	Is the device an End Device supporting the Keep-Alive cluster *TC Keep-Alive Base* attribute as a client?	[R2] 6.1 / A.3.2.1	FDT3:O FDT9:O FDT10:O	N
KAC4	Is the device an End Device supporting the Keep-Alive cluster *TC Keep-Alive Jitter* attribute as a client?	[R2] 6.1 / A.3.2.1	FDT3:O FDT9:O FDT10:O	N
KAS1	Does the device support the Keep-Alive cluster as a server?	[R2]/ 6.1	FDT1:O FDT4:O FDT5:O TCSW1a:M	N

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8.7 Zigbee SE Device Description Capabilities

Tables in the following sub-clauses detail the capabilities specific to a device description.

8.7.1 Energy Service Interface device functions

Table 9 – Energy Service Interface ZCL PICS restrictions/requirements

ZCL PICS Item number [R7]	Status	Additional Constraints	Support
TCS1	M	Time Cluster server is mandatory	[Y/N] [Int: EP# x]

Table 10 provides the SE PICs restrictions based on requirements in [R2]/6.3.1.1.

Table 10 – Energy Service Interface SE PICS restrictions/requirements

SE PICS Item number	Status	Additional Constraints	Support
SMC1	O	Metering Cluster client is optional	[Y/N] [Int: EP# x]
SMS1	O	Metering Cluster server is optional	[Y/N] [Int: EP# x]
MS1	M	Messaging Cluster server is mandatory	[Y/N] [Int: EP# x]
PS1	M	Price Cluster server is mandatory	[Y/N] [Int: EP# x]
DRLS1	M	Demand Response and Load Cluster server is mandatory	[Y/N] [Int: EP# x]
PC1	O	Price Cluster client is optional	[Y/N] [Int: EP# x]
CALS1	O	Calendar Cluster server is optional	[Y/N] [Int: EP# x]

SE PICS Item number	Status	Additional Constraints	Support
MC1	O	Messaging Cluster client is optional	[Y/N] [Int: EP# x]
PPC1	O	Prepayment Cluster client is optional	[Y/N] [Int: EP# x]
PPS1	O	Prepayment Cluster server is optional	[Y/N] [Int: EP# x]
DMS1	O	Device Management Cluster server is optional	[Y/N] [Int: EP# x]
DMC1	O	Device Management Cluster client is optional	[Y/N] [Int: EP# x]
ALM1	O	Alarms Cluster server is optional	[Y/N] [Int: EP# x]
EVC1	O	Events Cluster client is optional	[Y/N] [Int: EP# x]
MDUS1	O	MDU Pairing Cluster server is optional	[Y/N] [Int: EP# x]
MDUC1	O	MDU Pairing Cluster client is optional	[Y/N] [Int: EP# x]
EMC1	O	Energy Management Cluster client is optional	[Y/N] [Int: EP# x]
TUS1	O	Tunneling Cluster server is optional	[Y/N] [Int: EP# x]
TCSW1	O	Trust Center Swap-out is optional	[Y/N] [Int: EP# x]
TUC1	O	Tunneling Cluster client is optional	[Y/N] [Int: EP# x]
SGZS1	O	Sub-GHz Cluster server is optional	[Y/N] [Int: EP# x]
SGZC1	O	Sub-GHz Cluster client is optional	[Y/N] [Int: EP# x]

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329 8.7.2 Metering device functions

330 Table 11 – Metering device ZCL PICS restrictions/requirements

ZCL PICS Item number [R7]	Status	Additional Constraints	Support
TCC1	O	Time Cluster client is optional	[Y/N] [Int: EP# x]

331

332 Table 12 provides the SE PICs restrictions based on requirements in [R2]/6.3.2.1.

333

334 Table 12 – Metering device SE PICS restrictions/requirements

SE PICS Item number	Status	Additional Constraints	Support
SMS1	M	Metering Cluster server is mandatory	[Y/N] [Int: EP# x]
PPS1	O	Prepayment Cluster server is optional	[Y/N] [Int: EP# x]
PC1	O	Price Cluster client is optional	[Y/N] [Int: EP# x]
CALC1	O	Calendar Cluster client is optional	[Y/N] [Int: EP# x]
MC1	O	Messaging Cluster client is optional	[Y/N] [Int: EP# x]
DMC1	O	Device Management Cluster client is optional	[Y/N] [Int: EP# x]
MDUC1	O	MDU Pairing Cluster client is optional	[Y/N] [Int: EP# x]
ALM1	O	Alarms Cluster server is optional	[Y/N] [Int: EP# x]

SE PICS Item number	Status	Additional Constraints	Support
SMS3	SMS2:O	Block Tariffs Metering cluster server attributes are optional	[Y/N] [Int: EP# x]
TUC1	O	Tunneling Cluster client is optional	[Y/N] [Int: EP# x]
TUS1	O	Tunneling Cluster server is optional	[Y/N] [Int: EP# x]
TCSW1	O	Trust Center Swap-out is optional	[Y/N] [Int: EP# x]
SGZC1	O	Sub-GHz Cluster client is optional	[Y/N] [Int: EP# x]

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336 8.7.3 In-Home display device functions

337 Table 13 – In-Home display device ZCL PICS restrictions/requirements

ZCL PICS Item number [R7]	Status	Additional Constraints	Support
TCC1	O	Time Cluster client is optional	Y [Int: EP# 1]

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339 Table 14 provides the SE PICs restrictions based on requirements in [R2]/6.3.3.1.

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341 Table 14 – In-Home display device SE PICS restrictions/requirements

SE PICS Item number	Status	Additional Constraints	Support
DRLC1	O	Demand Response and Load Cluster client is optional	N
PC1	O	Price Cluster client is optional	Y [Int: EP# 1]

SE PICS Item number	Status	Additional Constraints	Support
CALC1	O	Calendar Cluster client is optional	Y [Int: EP# 1]
SMC1	O	Metering Cluster client is optional	Y [Int: EP# 1]
PPC1	O	Prepayment Cluster client is optional	Y [Int: EP# 1]
MC1	O	Messaging Cluster client is optional	N
DMC1	O	Device Management Cluster client is optional	Y [Int: EP# 1]
MDUC1	O	MDU Pairing Cluster client is optional	N
EMC1	O	Energy Management Cluster client is optional	N
ALM1	O	Alarms Cluster server is optional	N
EVC1	O	Events Cluster client is optional	N
TUS1	O	Tunneling Cluster server is optional	N
TUC1	O	Tunneling Cluster client is optional	Y [Int: EP# 1]
TCSW1	O	Trust Center Swap-out is optional	N
SGZC1	O	Sub-GHz Cluster client is optional	N

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8.7.4 Programmable Communicating Thermostat (PCT) device functions

Table 15 Programmable Communicating Thermostat (PCT) ZCL PICS restrictions/requirements

ZCL PICS Item number [R7]	Status	Additional Constraints	Support
TCC1	M	Time Cluster client is mandatory	[Y/N] [Int: EP# x]

Table 16 provides the SE PICs restrictions based on requirements in [R2]/6.3.4.1.

Table 16 Programmable Communicating Thermostat (PCT) SE PICS restrictions/requirements

SE PICS Item number	Status	Additional Constraints	Support
DRLC1	M	Demand Response and Load Cluster client is mandatory	[Y/N] [Int: EP# x]
PPC1	O	Prepayment Cluster client is optional	[Y/N] [Int: EP# x]
PC1	O	Price Cluster client is optional	[Y/N] [Int: EP# x]
CALC1	O	Calendar Cluster client is optional	[Y/N] [Int: EP# x]
SMC1	O	Metering Cluster client is optional	[Y/N] [Int: EP# x]
MC1	O	Messaging Cluster client is optional	[Y/N] [Int: EP# x]
DMC1	O	Device Management Cluster client is optional	[Y/N] [Int: EP# x]
MDUC1	O	MDU Pairing Cluster client is optional	[Y/N] [Int: EP# x]
EMS1	O	Energy Management Cluster server is optional	[Y/N] [Int: EP# x]

SE PICS Item number	Status	Additional Constraints	Support
ALM1	O	Alarms Cluster server is optional	[Y/N] [Int: EP# x]
TUS1	O	Tunneling Cluster server is optional	[Y/N] [Int: EP# x]
TUC1	O	Tunneling Cluster client is optional	[Y/N] [Int: EP# x]
TCSW1	O	Trust Center Swap-out is optional	[Y/N] [Int: EP# x]
SGZC1	O	Sub-GHz Cluster client is optional	[Y/N] [Int: EP# x]

8.7.5 Load Control device functions

Table 17 – Load Control ZCL PICS restrictions/requirements

ZCL PICS Item number [R7]	Status	Additional Constraints	Support
TCC1	M	Time Cluster client is mandatory	[Y/N] [Int: EP# x]

Table 18 provides the SE PICs restrictions based on requirements in [R2]/6.3.5.1.

Table 18 – Load Control SE PICS restrictions/requirements

SE PICS Item number	Status	Additional Constraints	Support
DRLC1	M	Demand Response and Load Cluster client is mandatory	[Y/N] [Int: EP# x]
PC1	O	Price Cluster client is optional	[Y/N] [Int: EP# x]

SE PICS Item number	Status	Additional Constraints	Support
CALC1	O	Calendar Cluster client is optional	[Y/N] [Int: EP# x]
DMC1	O	Device Management Cluster client is optional	[Y/N] [Int: EP# x]
MDUC1	O	MDU Pairing Cluster client is optional	[Y/N] [Int: EP# x]
EMS1	O	Energy Management Cluster server is optional	[Y/N] [Int: EP# x]
ALM1	O	Alarms Cluster server is optional	[Y/N] [Int: EP# x]
TUS1	O	Tunneling Cluster server is optional	[Y/N] [Int: EP# x]
TUC1	O	Tunneling Cluster client is optional	[Y/N] [Int: EP# x]
TCSW1	O	Trust Center Swap-out is optional	[Y/N] [Int: EP# x]
SGZC1	O	Sub-GHz Cluster client is optional	[Y/N] [Int: EP# x]

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359 ### 8.7.6 Range Extender device functions

360 **Table 19 – Range Extender ZCL PICS restrictions/requirements**

ZCL PICS Item number [R7]	Status	Additional Constraints	Support
TCC1	O	Time Cluster client is optional.	[Y/N] [Int: EP# x]

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362 Table 20 provides the SE PICs restrictions based on requirements in [R2]/6.3.6.1.

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364 **Table 20 –Range Extender SE PICS restrictions/requirements**

SE PICS Item number	Status	Additional Constraints	Support
TCSW1	O	Trust Center Swap-out is optional	[Y/N] [Int: EP# x]

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366 8.7.7 **Smart Appliance device functions**

367 **Table 21 – Smart Appliance ZCL PICS restrictions/requirements**

ZCL PICS Item number [R7]	Status	Additional Constraints	Support
TCC1	M	Time Cluster client is mandatory	[Y/N] [Int: EP# x]

368

369 Table 22 provides the SE PICs restrictions based on requirements in [R2]/6.3.7.1.

370

371 **Table 22 –Smart Appliance SE PICS restrictions/requirements**

SE PICS Item number	Status	Additional Constraints	Support
PPC1	O	Prepayment Cluster client is optional	[Y/N] [Int: EP# x]
DRLC1	O	Demand Response and Load Cluster client is optional	[Y/N] [Int: EP# x]
PC1	M	Price Cluster client is mandatory	[Y/N] [Int: EP# x]
SMC1	O	Metering Cluster client is optional ED NOTE: This is not listed in the specification – should it be?	[Y/N] [Int: EP# x]
MC1	O	Messaging Cluster client is optional	[Y/N] [Int: EP# x]

SE PICS Item number	Status	Additional Constraints	Support
CALC1	O	Calendar Cluster client is optional	[Y/N] [Int: EP# x]
DMC1	O	Device Management Cluster client is optional	[Y/N] [Int: EP# x]
MDUC1	O	MDU Pairing Cluster client is optional	[Y/N] [Int: EP# x]
EMS1	O	Energy Management Cluster server is optional	[Y/N] [Int: EP# x]
ALM1	O	Alarms Cluster server is optional	[Y/N] [Int: EP# x]
TUS1	O	Tunneling Cluster server is optional	[Y/N] [Int: EP# x]
TUC1	O	Tunneling Cluster client is optional	[Y/N] [Int: EP# x]
TCSW1	O	Trust Center Swap-out is optional	[Y/N] [Int: EP# x]
SGZC1	O	Sub-GHz Cluster client is optional	[Y/N] [Int: EP# x]

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374 8.7.8 **Prepayment Terminal device functions**

375 **Table 23 – Prepayment Terminal ZCL PICS restrictions/requirements**

ZCL PICS Item number [R7]	Status	Additional Constraints	Support
TCC1	M	Time Cluster client is mandatory	[Y/N] [Int: EP# x]

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377 Table 24 provides the SE PICs restrictions based on requirements in [R2]/6.3.8.1.

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Table 24 – Prepayment Terminal SE PICS restrictions/requirements

SE PICS Item number	Status	Additional Constraints	Support
DRLC1	O	Demand Response and Load Cluster client is optional	[Y/N] [Int: EP# x]
PC1	M	Price Cluster client is mandatory	[Y/N] [Int: EP# x]
PPS1	M	Prepayment Cluster server is mandatory	[Y/N] [Int: EP# x]
PPC1	M	Prepayment Cluster client is mandatory	[Y/N] [Int: EP# x]
SMC1	O	Metering Cluster client is optional	[Y/N] [Int: EP# x]
MC1	O	Messaging Cluster client is optional	[Y/N] [Int: EP# x]
CALC1	O	Calendar Cluster client is optional	[Y/N] [Int: EP# x]
DMC1	O	Device Management Cluster client is optional	[Y/N] [Int: EP# x]
MDUC1	O	MDU Pairing Cluster client is optional	[Y/N] [Int: EP# x]
EMC1	O	Energy Management Cluster client is optional	[Y/N] [Int: EP# x]
ALM1	O	Alarms Cluster server is optional	[Y/N] [Int: EP# x]
TUS1	O	Tunneling Cluster server is optional	[Y/N] [Int: EP# x]
TUC1	O	Tunneling Cluster client is optional	[Y/N] [Int: EP# x]
TCSW1	O	Trust Center Swap-out is optional	[Y/N] [Int: EP# x]

SE PICS Item number	Status	Additional Constraints	Support
SGZC1	O	Sub-GHz Cluster client is optional	[Y/N] [Int: EP# x]

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382 8.7.9 **Remote Communications Device functions**

383 **Table 25 – Remote Communications Device ZCL PICS restrictions/requirements**

ZCL PICS Item number [R7]	Status	Additional Constraints	Support
TCS1	O	Time Cluster server is optional	[Y/N] [Int: EP# x]

384

385 Table 26 provides the SE PICs restrictions based on requirements in [R2]/6.3.10.1.

386

387 **Table 26 – Remote Communications Device SE PICS restrictions/requirements**

SE PICS Item number	Status	Additional Constraints	Support
TUS1	O	Tunneling Cluster server is optional	[Y/N] [Int: EP# x]
TUC1	O	Tunneling Cluster client is optional	[Y/N] [Int: EP# x]
TCSW1	O	Trust Center Swap-out is optional	[Y/N] [Int: EP# x]
SGZS1	O	Sub-GHz Cluster server is optional	[Y/N] [Int: EP# x]

8.8 Smart Energy Application Specific Cluster function capabilities

8.8.1 Basic Cluster

Table 27 – Basic cluster server capabilities

Item number	Item description	Reference	Status	Support
BCS1	Is the Basic Cluster supported as a server?	[R3]	M	Y [Int: EP# 1]
BCS2	Is the *ZCLversion* attribute supported?		BCS1:M	Y [Int: EP# 1]
BCS3	Is the *Powersource* attribute supported?		BCS1:M	Y [Int: EP# 1]
BCS4	Is the *PhysicalEnvironment* attribute supported?		SEG22:M BCS1:O	N

Table 28 – Basic cluster client capabilities

Item number	Item description	Reference	Status	Support
BCC1	Is the Basic Cluster supported as a client?	[R3]	O	Y [Int: EP# 1]

8.8.2 Identify

8.8.3 Alarms

8.8.4 Commissioning

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405 ### 8.8.5 Power Configuration

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408 ### 8.8.6 Time Cluster attributes and functions

409 **Table 29 – Time cluster server capabilities**

Item number	Item description	Reference	Status	Support
TICS1	Is the Time Cluster supported as a server?	[R3]	O	N
TICS2	Is the Time attribute supported?		TICS1:M	NA
TICS3	Is the TimeStatus attribute supported?		TICS1:M	NA
TICS4	Is the TimeZone attribute supported?		TICS1:O	NA
TICS5	Is the DstStart attribute supported?		TICS1:O	NA
TICS6	Is the DstEnd attribute supported?		TICS1:O	NA
TICS7	Is the DstShift attribute supported?		TICS1:O	NA
TICS8	Is the StandardTime attribute supported?		TICS1:O	NA
TICS9	Is the LocalTime attribute supported?		TICS1:O	NA

410 **Table 30 – Time cluster client capabilities**

Item number	Item description	Reference	Status	Support
TICC1	Is the Time Cluster supported as a client?	[R3]	O	Y [Int: EP# 1]

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8.8.7 Key Establishment Cluster attributes and functions

Table 31 – Key Establishment cluster server capabilities

Item number	Item description	Reference	Status	Support
KECS1	Is the Key Establishment Cluster supported as a server?	[R2]/C.3.1	M	Y [Int: EP# 1]
KECS2	Is the KeyEstablishmentSuite attribute supported?	[R2]/C.3.1.2.2.1	KECS1:M	Y [Int: EP# 1]
KECS3	Is the reception of Initiate Key Establishment Request command supported?	[R2]/C.3.1.2.3.1	KECS1:M	Y [Int: EP# 1]
KECS4	Is the reception of Ephemeral Data Request command supported?	[R2]/C.3.1.2.3.2	KECS1:M	Y [Int: EP# 1]
KECS5	Is the reception of Confirm Key Data Request command supported?	[R2]/C.3.1.2.3.3	KECS1:M	Y [Int: EP# 1]
KECS6	Is the reception of Terminate Key Establishment command supported?	[R2]/C.3.1.2.3.4	KECS1:M	Y [Int: EP# 1]
KECS7	Is the generation of Initiate Key Establishment Response command supported?	[R2]/C.3.1.2.4 / C.3.1.3.3.1	KECS1:M	Y [Int: EP# 1]
KECS8	Is the generation of Ephemeral Data Response command supported?	[R2]/C.3.1.2.4 / C.3.1.3.3.2	KECS1:M	Y [Int: EP# 1]
KECS9	Is the generation of Confirm Key Data Response command supported?	[R2]/C.3.1.2.4 / C.3.1.3.3.3	KECS1:M	Y [Int: EP# 1]
KECS10	Is the generation of Terminate Key Establishment command supported?	[R2]/C.3.1.2.4 / C.3.1.3.3.4	KECS1:M	Y [Int: EP# 1]

Table 32 – Key Establishment cluster client capabilities

Item number	Item description	Reference	Status	Support
KECC1	Is the Key Establishment Cluster supported as a client?	[R2]/C.3.1	M	Y [Int: EP# 1]

Item number	Item description	Reference	Status	Support
KECC2	Is the KeyEstablishmentSuite attribute supported?	[R2]/C.3.1.3.2.1	KECC1:M	Y [Int: EP# 1]
KECC3	Is the reception of Initiate Key Establishment Response command supported?	[R2]/C.3.1.3.3.1	KECC1:M	Y [Int: EP# 1]
KECC4	Is the reception of Ephemeral Data Response command supported?	[R2]/C.3.1.3.3.2	KECC1:M	Y [Int: EP# 1]
KECC5	Is the reception of Confirm Key Data Response command supported?	[R2]/C.3.1.3.3.3	KECC1:M	Y [Int: EP# 1]
KECC6	Is the reception of Terminate Key Establishment command supported?	[R2]/C.3.1.3.3.4	KECC1:M	Y [Int: EP# 1]
KECC7	Is the generation of Initiate Key Establishment Request command supported?	[R2]/C.3.1.3.4 / C.3.1.2.3.1	KECC1:M	Y [Int: EP# 1]
KECC8	Is the generation of Ephemeral Data Request command supported?	[R2]/C.3.1.3.4 / C.3.1.2.3.2	KECC1:M	Y [Int: EP# 1]
KECC9	Is the generation of Confirm Key Data Request command supported?	[R2]/C.3.1.3.4 / C.3.1.2.3.3	KECC1:M	Y [Int: EP# 1]
KECC10	Is the generation of Terminate Key Establishment command supported?	[R2]/C.3.1.3.4 / C.3.1.2.3.4	KECC1:M	Y [Int: EP# 1]

8.8.8 Demand Response and Load Control Cluster attributes and functions

Table 33 – Demand Response and Load Control cluster server capabilities

Item number	Item description	Reference	Status	Support
DRLCCS1	Is the Demand Response and Load Control Cluster supported as a server?	[R2]/D.2	O	N
DRLCCS2	Is the reception of Report Event Status command supported?	[R2]/D.2.2.4 / D.2.3.3.1	DRLCCS1:M	NA

Item number	Item description	Reference	Status	Support
DRLCCS3	Is the reception of Get Scheduled Events command supported?	[R2]/D.2.2.4 / D.2.3.3.2	DRLCCS1:M	NA
DRLCCS4	Is the generation of Load Control Event command supported?	[R2]/D.2.2.3.1	DRLCCS1:M	NA
DRLCCS5	Is the generation of Cancel Load Control Event command supported?	[R2]/D.2.2.3.2	DRLCCS1:M	NA
DRLCCS6	Is the generation of Cancel All Load Control Events command supported?	[R2]/D.2.2.3.3	DRLCCS1:M	NA

419 **Table 34 – Demand Response and Load Control cluster client capabilities**

Item number	Item description	Reference	Status	Support
DRLCCC1	Is the Demand Response and Load Control Cluster supported as a client?	[R2]/D.2	O	N
DRLCCC2	Is the UtilityEnrolmentGroup attribute supported?	[R2]/D.2.3.2.1	DRLCCC1:M	NA
DRLCCC3	Is the StartRandomizationMinutes[9] attribute supported?	[R2]/D.2.3.2.2	DRLCCC1:M	NA
DRLCCC4	Is the *DurationRandomization* Minutes[10] attribute supported?	[R2]/D.2.3.2.3	DRLCCC1:M	NA
DRLCCC5	Is the DeviceClassValue attribute supported?	[R2]/D.2.3.2.4	DRLCCC1:M	NA
DRLCCC5.1	Is it permitted to externally write the DeviceClassValue attribute?	[R2]/D.2.3.2.4	DRLCCC1:O	NA
DRLCCC6	Is the reception of Load Control Event command supported?	[R2]/D.2.3.4 / D.2.2.3.1	DRLCCC1:M	NA
DRLCCC7	Is the reception of Cancel Load Control Event command supported?	[R2]/D.2.3.4 / D.2.2.3.2	DRLCCC1:M	NA
DRLCCC8	Is the reception of Cancel All Load Control Events command supported?	[R2]/D.2.3.4 / D.2.2.3.3	DRLCCC1:M	NA

[9] CCB 1880
[10] CCBs 1513 & 1880

Item number	Item description	Reference	Status	Support
DRLCCC9	Is the generation of Report Event Status command supported?	[R2]/D.2.3.3.1	DRLCCC1:M	NA
DRLCCC10	Is the generation of Get Scheduled Events command supported?	[R2]/D.2.3.3.2	DRLCCC1:M	NA

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422 8.8.9 **Metering Cluster attributes and functions**

423 **Table 35 – Metering cluster server capabilities**

Item number	Item description	Reference	Status	Support
MECS1	Is the Metering Cluster supported as a server?	[R2] D.3	O	N
MECS2	Is the CurrentSummationDelivered attribute supported?	[R2] D.3.2.2.1.1	MECS1:M	NA
MECS3	Is the CurrentSummationReceived attribute supported?	[R2] D.3.2.2.1.2	MECS1:O	NA
MECS4	Is the CurrentMaxDemandDelivered attribute supported?	[R2] D.3.2.2.1.3	MECS1:O	NA
MECS5	Is the CurrentMaxDemandReceived attribute supported?	[R2] D.3.2.2.1.4	MECS1:O	NA
MECS6	Is the DFTSummation attribute supported?	[R2] D.3.2.2.1.5	MECS1:O	NA
MECS7	Is the DailyFreezeTime attribute supported?	[R2] D.3.2.2.1.6	MECS1:O	NA
MECS8	Is the PowerFactor attribute supported?	[R2] D.3.2.2.1.7	MECS1:O	NA
MECS9	Is the ReadingSnapShotTime attribute supported?	[R2] D.3.2.2.1.8	MECS1:O	NA
MECS10	Is the CurrentMaxDemandDeliveredTime attribute supported?	[R2] D.3.2.2.1.9	MECS1:O	NA
MECS11	Is the CurrentMaxDemandReceivedTime attribute supported?	[R2] D.3.2.2.1.10	MECS1:O	NA
MECS12	Is the DefaultUpdatePeriod attribute supported?	[R2] D.3.2.2.1.11	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS13	Is the FastPollUpdatePeriod attribute supported?	[R2] D.3.2.2.1.12	MECS1:O	NA
MECS14	Is the CurrentBlockPeriodConsumptionDelivered attribute supported?	[R2] D.3.2.2.1.13	MECS132:O[11] MECS133:O[12]	NA
MECS15	Is the DailyConsumptionTarget attribute supported?	[R2] D.3.2.2.1.14	MECS1:O	NA
MECS16	Is the CurrentBlock attribute supported?	[R2] D.3.2.2.1.15	MECS132:O MECS133:O	NA
MECS17	Is the CurrentTier1SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MEC18	Is the CurrentTier1SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS19	Is the CurrentTier2SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS20	Is the CurrentTier2SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS21	Is the CurrentTier3SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS22	Is the CurrentTier3SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS23	Is the CurrentTier4SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS24	Is the CurrentTier4SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS25	Is the CurrentTier5SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS26	Is the CurrentTier5SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA

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Item number	Item description	Reference	Status	Support
MECS27	Is the CurrentTier6SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS28	Is the CurrentTier6SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS29	Is the CurrentTier7SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS30	Is the CurrentTier7SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS31	Is the CurrentTier8SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS32	Is the CurrentTier8SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS33	Is the CurrentTier9SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS34	Is the CurrentTier9SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS35	Is the CurrentTier10SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS36	Is the CurrentTier10SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS37	Is the CurrentTier11SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS38	Is the CurrentTier11SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS39	Is the CurrentTier12SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS40	Is the CurrentTier12SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS41	Is the CurrentTier13SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS42	Is the CurrentTier13SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS43	Is the CurrentTier14SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS44	Is the CurrentTier14SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS45	Is the CurrentTier15SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS46	Is the CurrentTier15SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS47	Is the Meter Status attribute supported?	[R2] D.3.2.2.3.1	MECS1:M	NA
MECS48	Is the UnitofMeasure attribute supported?	[R2] D.3.2.2.4.1	MECS1:M	NA
MECS49	Is the Multiplier attribute supported?	[R2] D.3.2.2.4.2	MECS1:O	NA
MECS50	Is the Divisor attribute supported?	[R2] D.3.2.2.4.3	MECS1:O	NA
MECS51	Is the SummationFormatting attribute supported?	[R2] D.3.2.2.4.4	MECS1:M	NA
MECS52	Is the DemandFormatting attribute supported?	[R2] D.3.2.2.4.5	MECS1:O	NA
MECS53	Is the HistoricalConsumptionFormatting attribute supported?	[R2] D.3.2.2.4.6	MECS1:O	NA
MECS54	Is the MeteringDeviceType attribute supported?	[R2] D.3.2.2.4.7	MECS1:M	NA
MECS54a	Is the MeteringDeviceType: Electric Metering?	[R2] D.3.2.2.4.7	MECS54:O.1	NA
MECS54b	Is the MeteringDeviceType: Gas Metering?	[R2] D.3.2.2.4.7	MECS54:O.1	NA
MECS54c	Is the MeteringDeviceType: Water Metering?	[R2] D.3.2.2.4.7	MECS54:O.1	NA
MECS54d	Is the MeteringDeviceType: Pressure Metering?	[R2] D.3.2.2.4.7	MECS54:O.1	NA
MECS54e	Is the MeteringDeviceType: Heat Metering?	[R2] D.3.2.2.4.7	MECS54:O.1	NA
MECS54f	Is the MeteringDeviceType: Cooling Metering?	[R2] D.3.2.2.4.7	MECS54:O.1	NA

Item number	Item description	Reference	Status	Support
MECS54g	Is the MeteringDeviceType: End Use Measurement Device (EUMD)?	[R2] D.3.2.2.4.7	MECS54:O.1	NA
MECS54h	Is the MeteringDeviceType: PV Generation Metering?	[R2] D.3.2.2.4.7	MECS54:O.1	NA
MECS54i	Is the MeteringDeviceType: Wind Turbine Generation Metering?	[R2] D.3.2.2.4.7	MECS54:O.1	NA
MECS54j	Is the MeteringDeviceType: Water Turbine Generation Metering?	[R2] D.3.2.2.4.7	MECS54:O.1	NA
MECS54k	Is the MeteringDeviceType: Micro Generation Metering?	[R2] D.3.2.2.4.7	MECS54:O.1	NA
MECS54l	Is the MeteringDeviceType: Solar Hot Water Generation Metering?	[R2] D.3.2.2.4.7	MECS54:O.1	NA
MECS54m	Is the MeteringDeviceType: Electric Metering Element/Phase1 supported?	[R2] D.3.2.2.4.7	MECS54:O.1	NA
MECS54n	Is the MeteringDeviceType: Electric Metering Element/Phase2 supported?	[R2] D.3.2.2.4.7	MECS54:O.1	NA
MECS54o	Is the MeteringDeviceType: Electric Metering Element/Phase3 supported?	[R2] D.3.2.2.4.7	MECS54:O.1	NA
MECS55	Is the SiteID attribute supported?	[R2] D.3.2.2.4.8	MECS1:O	NA
MECS56	Is the MeterSerialNumber attribute supported?	[R2] D.3.2.2.4.9	MECS1:O	NA
MECS57	Is the InstantaneousDemand attribute supported?	[R2] D.3.2.2.5.1	MECS1:O	NA
MECS58	Is the CurrentDayConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.2	MECS1:O	NA
MECS59	Is the CurrentDayConsumptionReceived attribute supported?	[R2] D.3.2.2.5.3	MECS1:O	NA
MECS60	Is the PreviousDayConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.4	MECS1:O	NA
MECS61	Is the PreviousDayConsumptionReceived attribute supported?	[R2] D.3.2.2.5.5	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS62	Is the CurrentPartialProfileIntervalStartTimeDelivered attribute supported?	[R2] D.3.2.2.5.6	MECS1:O	NA
MECS63	Is the CurrentPartialProfileIntervalStartTimeReceived attribute supported?	[R2] D.3.2.2.5.7	MECS1:O	NA
MECS64	Is the CurrentPartialProfileIntervalValueDelivered attribute supported?	[R2] D.3.2.2.5.8	MECS1:O	NA
MECS65	Is the CurrentPartialProfileIntervalValueReceived attribute supported?	[R2] D.3.2.2.5.9	MECS1:O	NA
MECS66	Is the MaxNumberOfPeriodsDelivered attribute supported?	[R2] D.3.2.2.6.1	MECS1:O	NA
MECS67	Is the CurrentDemandDelivered attribute supported?	[R2] D.3.2.2.7.1	MECS1:O	NA
MECS68	Is the DemandLimit attribute supported?	[R2] D.3.2.2.7.2	MECS1:O	NA
MECS69	Is the DemandIntegrationPeriod attribute supported?	[R2] D.3.2.2.7.3	MECS1:O	NA
MECS70	Is the NumberOfDemandSubintervals attribute supported?	[R2] D.3.2.2.7.4	MECS1:O	NA
MECS71	Is the reception of Get Profile command supported?	[R2] D.3.3.3.1.1	MECS1:O	NA
MECS72	Is the reception of Request Mirror Response command supported?	[R2] D.3.3.3.1.2	MECS1:O	NA
MECS73	Is the reception of Mirror Removed command supported?	[R2] D.3.3.3.1.3	MECS1:O	NA
MECS74	Is the generation of Get Profile Response command supported?	[R2] D.3.2.3.1.1	MECS1:O	NA
MECS75	Is the generation of Request Mirror command supported?	[R2] D.3.2.3.1.2	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS76	Is the generation of Remove Mirror command supported?	[R2] D.3.2.3.1.3	MECS1:O	NA
MECS77	Is the ProfileIntervalPeriod attribute supported?	[R2] D.3.2.2.1.16	MECS1:O	NA
MECS78	Deprecated[13]			
MECS79	Is the PresetReadingTime attribute supported?	[R2] D.3.2.2.1.17	MECS1:O	NA
MECS80	Is the VolumePerReport attribute supported?	[R2] D.3.2.2.1.18	MECS1:O	NA
MECS81	Is the FlowRestriction attribute supported?	[R2] D.3.2.2.1.19	MECS1:O	NA
MECS82	Is the Supply Status attribute supported?	[R2] D.3.2.2.1.20	MECS1:O	NA
MECS83	Is the CurrentDayMaxPressure attribute supported?	[R2] D.3.2.2.5.10	MECS1:O	NA
MECS84	Is the CurrentDayMinPressure attribute supported?	[R2] D.3.2.2.5.12	MECS1:O	NA
MECS85	Is the PreviousDayMaxPressure attribute supported?	[R2] D.3.2.2.5.11	MECS1:O	NA
MECS86	Is the PreviousDayMinPressure attribute supported?	[R2] D.3.2.2.5.13	MECS1:O	NA
MECS87	Is the CurrentDayMaxDemand attribute supported?	[R2] D.3.2.2.5.14	MECS1:O	NA
MECS88	Is the PreviousDayMaxDemand attribute supported?	[R2] D.3.2.2.5.15	MECS1:O	NA
MECS89	Is the Meter Status (Gas) attribute supported?	[R2] D.3.2.2.3.1	MECS1:O	NA
MECS90	Is the Meter Status (Water) attribute supported?	[R2] D.3.2.2.3.1	MECS1:O	NA
MECS91	Is the RemainingBatteryLife attribute supported?	[R2] D.3.2.2.3.2	MECS1:O	NA

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Item number	Item description	Reference	Status	Support
MECS93	Is the CurrentInletEnergyCarrierSummation attribute supported?	[R2] D.3.2.2.1.21	MECS1:O[14]	NA
MECS94	Is the CurrentOutletEnergyCarrierSummation attribute supported?	[R2] D.3.2.2.1.22	MECS1:O	NA
MECS95	Is the InletTemperature attribute supported?	[R2] D.3.2.2.1.23	MECS1:O[15]	NA
MECS96	Is the OutletTemperature attribute supported?	[R2] D.3.2.2.1.24	MECS1:O[16]	NA
MECS97	Is the ControlTemperature attribute supported?	[R2] D.3.2.2.1.25	MECS1:O	NA
MECS98	Is the CurrentInletEnergyCarrierDemand attribute supported?	[R2] D.3.2.2.1.26	MECS1:O	NA
MECS99	Is the CurrentOutletEnergyCarrierDemand attribute supported?	[R2] D.3.2.2.1.27	MECS1:O	NA
MECS100	Is the EnergyCarrierUnitOfMeasure attribute supported?	[R2] D.3.2.2.4.10	MECS1:O[17]	NA
MECS101	Is the EnergyCarrierSummationFormatting attribute supported?	[R2] D.3.2.2.4.11	MECS93:M MECS94:M	NA
MECS102	Is the EnergyCarrierDemandFormatting attribute supported?	[R2] D.3.2.2.4.12	MECS98:M MECS99:M MECS107:M MECS108:M MECS109:M MECS110:M MECS111:M MECS112:M	NA
MECS103	Is the TemperatureUnitOfMeasure attribute supported?	[R2] D.3.2.2.4.13	MECS1:O[18]	NA

[14] CCB 1999
[15] CCB 1999
[16] CCB 1999
[17] CCB 1999
[18] CCB 1999

Item number	Item description	Reference	Status	Support
MECS104	Is the TemperatureFormatting attribute supported?	[R2] D.3.2.2.4.14	MECS1:O[19]	NA
MECS105	Is the CurrentMonthMaxDemand attribute supported?	[R2] D.3.2.2.5.16	MECS1:O	NA
MECS106	Is the CurrentYearMaxDemand attribute supported?	[R2] D.3.2.2.5.17	MECS1:O	NA
MECS107	Is the CurrentDayMaxEnergyCarrierDemand attribute supported?	[R2] D.3.2.2.5.18	MECS1:O	NA
MECS108	Is the PreviousDayMaxEnergyCarrierDemand attribute supported?	[R2] D.3.2.2.5.19	MECS1:O	NA
MECS109	Is the CurrentMonthMaxEnergyCarrierDemand attribute supported?	[R2] D.3.2.2.5.20	MECS1:O	NA
MECS110	Is the CurrentMonthMinEnergyCarrierDemand attribute supported?	[R2] D.3.2.2.5.21	MECS1:O	NA
MECS111	Is the CurrentYearMaxEnergyCarrierDemand attribute supported?	[R2] D.3.2.2.5.22	MECS1:O	NA
MECS112	Is the CurrentYearMinEnergyCarrierDemand attribute supported?	[R2] D.3.2.2.5.23	MECS1:O	NA
MECS113	Is the HoursInOperation attribute supported?	[R2] D.3.2.2.3.3	MECS1:O[20]	NA
MECS114	Is the HoursInFault attribute supported?	[R2] D.3.2.2.3.4	MECS1:O	NA
MECS115	Is the Generic AlarmMask attribute supported?	[R2] D.3.2.2.9.2	MECS1:O	NA
MECS116	Is the Electricity AlarmMask attribute supported?	[R2] D.3.2.2.9.2	MECS1:O	NA
MECS117	Is the GenericFlow/Pressure AlarmMask attribute supported?	[R2] D.3.2.2.9.2	MECS1:O	NA
MECS118	Is the Water Specific AlarmMask attribute supported?	[R2] D.3.2.2.9.2	MECS1:O	NA

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[20] CCB 1999

Item number	Item description	Reference	Status	Support
MECS119	Is the Heating Specific AlarmMask attribute supported?	[R2] D.3.2.2.9.2	MECS1:O	NA
MECS120	Is the Cooling Specific AlarmMask attribute supported?	[R2] D.3.2.2.9.2	MECS1:O	NA
MECS121	Is the Gas Specific AlarmMask attribute supported?	[R2] D.3.2.2.9.2	MECS1:O	NA
MECS122	Is the reception of Request Fast Poll Mode command supported?	[R2] D.3.3.3.1.4	MECS1:O	NA
MECS123	Is the generation of Request Fast Poll Mode Response supported?	[R2] D.3.2.3.1.4	MECS1:O	NA
MECS124	Is the Mapping of the Status Attribute (Electricity) supported?	[R2]/D.3.2.2.3.1 Table D.16	MECS54a:M	NA
MECS125	Is the Meter Status Attribute (Gas) mapping supported?	[R2]/D.3.2.2.3.1 Table D.17	MECS54b:M	NA
MECS126	Is the Meter Status Attribute (Water) mapping supported?	[R2] D.3.2.2.3.1 Table D.18	MECS54c:M	NA
MECS127	RESERVED			NA
MECS128	Is the Meter Status Attribute (Heat and Cooling) mapping?	[R2] D.3.2.2.3.1 Table D.19	MECS54e:M MECS54f:M	NA
MECS129	RESERVED			NA
MECS130	Does the device generate fragmented Get Profile Response commands?		MECS74:O	NA
MECS131	Is the *PreviousBlockPeriodConsumptionDelivered* attribute supported?	[R2] D.3.2.2.1.28	MECS132:O MECS133:O	NA
MECS132	Does the device support Block Charging only?	[R2] D.4.4.3.2	MECS1:O	NA
MECS133	Does the device support Block/TOU Combination Charging?	[R2] D.4.4.3.3	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS134	Are any Block Information 'No Tier' attributes (0x00 to 0x0F) supported?	[R2] D.3.2.2.8	MECS132:O[21]	NA
MECS135	Are any Block Information 'TierxBlocky' attributes (0x10 to 0xFF) supported	[R2] D.3.2.2.8	MECS133:O	NA
MECS136	Is the CurrentBlockPeriodConsumptionReceived attribute supported?	[R2] D.3.2.2.1.29	MECS1:O	NA
MECS137	Is the CurrentBlockReceived attribute supported?	[R2] D.3.2.2.1.30	MECS1:O	NA
MECS138	Is the DFTSummationReceived attribute supported?	[R2] D.3.2.2.1.31	MECS1:O	NA
MECS139	Is the ActiveRegisterTierDelivered attribute supported?	[R2] D.3.2.2.1.32	MECS1:O	NA
MECS140	Is the ActiveRegisterTierReceived attribute supported?	[R2] D.3.2.2.1.33	MECS1:O	NA
MECS141	Is the LastBlockSwitchTime attribute supported?	[R2] D.3.2.2.1.34	MECS1:O	NA
MECS142	Is the CurrentTier16SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS143	Is the CurrentTier16SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS144	Is the CurrentTier17SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS145	Is the CurrentTier17SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS146	Is the CurrentTier18SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS147	Is the CurrentTier18SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA

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Item number	Item description	Reference	Status	Support
MECS148	Is the CurrentTier19SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS149	Is the CurrentTier19SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS150	Is the CurrentTier20SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS151	Is the CurrentTier20SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS152	Is the CurrentTier21SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS153	Is the CurrentTier21SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS154	Is the CurrentTier22SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS155	Is the CurrentTier22SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS156	Is the CurrentTier23SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS157	Is the CurrentTier23SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS158	Is the CurrentTier24SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS159	Is the CurrentTier24SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS160	Is the CurrentTier25SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS161	Is the CurrentTier25SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS162	Is the CurrentTier26SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS163	Is the CurrentTier26SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS164	Is the CurrentTier27SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS165	Is the CurrentTier27SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS166	Is the CurrentTier28SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS167	Is the CurrentTier28SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS168	Is the CurrentTier29SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS169	Is the CurrentTier29SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS170	Is the CurrentTier30SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS171	Is the CurrentTier30SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS172	Is the CurrentTier31SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS173	Is the CurrentTier31SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS174	Is the CurrentTier32SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS175	Is the CurrentTier32SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS176	Is the CurrentTier33SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS177	Is the CurrentTier33SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS178	Is the CurrentTier34SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS179	Is the CurrentTier34SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS180	Is the CurrentTier35SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS181	Is the CurrentTier35SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS182	Is the CurrentTier36SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS183	Is the CurrentTier36SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS184	Is the CurrentTier37SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS185	Is the CurrentTier37SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS186	Is the CurrentTier38SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS187	Is the CurrentTier38SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS188	Is the CurrentTier39SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS189	Is the CurrentTier39SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS190	Is the CurrentTier40SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS191	Is the CurrentTier40SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS192	Is the CurrentTier41SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS193	Is the CurrentTier41SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS194	Is the CurrentTier42SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS195	Is the CurrentTier42SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS196	Is the CurrentTier43SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS197	Is the CurrentTier43SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS198	Is the CurrentTier44SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS199	Is the CurrentTier44SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS200	Is the CurrentTier45SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS201	Is the CurrentTier45SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS202	Is the CurrentTier46SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS203	Is the CurrentTier46SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS204	Is the CurrentTier47SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS205	Is the CurrentTier47SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA
MECS206	Is the CurrentTier48SummationDelivered attribute supported?	[R2] D.3.2.2.2.1	MECS1:O	NA
MECS207	Is the CurrentTier48SummationReceived attribute supported?	[R2] D.3.2.2.2.2	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS208	Is the CPP1SummationDelivered attribute supported?	[R2] D.3.2.2.2.3	MECS1:O	NA
MECS209	Is the CPP2SummationDelivered attribute supported?	[R2] D.3.2.2.2.4	MECS1:O	NA
MECS210	Is the Extended Status attribute supported?	[R2] D.3.2.2.3.5	MECS1:O[22]	NA
MECS211	Is the RemainingBatteryLifeinDays attribute supported?	[R2] D.3.2.2.3.6	MECS1:O	NA
MECS212	Is the CurrentMeterID attribute supported?	[R2] D.3.2.2.3.7	MECS1:O	NA
MECS213	Is the AmbientConsumptionIndicator attribute supported?	[R2] D.3.2.2.3.8	MECS1:O	NA
MECS214	Is the ModuleSerialNumber attribute supported?	[R2] D.3.2.2.4.15	MECS1:O	NA
MECS215	Is the OperatingTariffLabelDelivered attribute supported?	[R2] D.3.2.2.4.16	MECS1:O	NA
MECS216	Is the OperatingTariffLabelReceived attribute supported?	[R2] D.3.2.2.4.17	MECS1:O	NA
MECS217	Is the CustomerIDNumber attribute supported?	[R2] D.3.2.2.4.18	MECS1:O	NA
MECS218	Is the AlternativeUnitofMeasure attribute supported?	[R2] D.3.2.2.4.19	MECS1:O	NA
MECS219	Is the AlternativeDemandFormatting attribute supported?	[R2] D.3.2.2.4.20	MECS1:O	NA
MECS220	Is the AlternativeConsumptionFormatting attribute supported?	[R2] D.3.2.2.4.21	MECS1:O	NA
MECS221	Is the PreviousDay2ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.24	MECS1:O	NA
MECS222	Is the PreviousDay2ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.25	MECS1:O	NA
MECS223	Is the PreviousDay3ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.24	MECS1:O	NA

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Item number	Item description	Reference	Status	Support
MECS224	Is the PreviousDay3ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.25	MECS1:O	NA
MECS225	Is the PreviousDay4ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.24	MECS1:O	NA
MECS226	Is the PreviousDay4ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.25	MECS1:O	NA
MECS227	Is the PreviousDay5ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.24	MECS1:O	NA
MECS228	Is the PreviousDay5ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.25	MECS1:O	NA
MECS229	Is the PreviousDay6ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.24	MECS1:O	NA
MECS230	Is the PreviousDay6ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.25	MECS1:O	NA
MECS231	Is the PreviousDay7ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.24	MECS1:O	NA
MECS232	Is the PreviousDay7ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.25	MECS1:O	NA
MECS233	Is the PreviousDay8ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.24	MECS1:O	NA
MECS234	Is the PreviousDay8ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.25	MECS1:O	NA
MECS235	Is the CurrentWeekConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.26	MECS1:O	NA
MECS236	Is the CurrentWeekConsumptionReceived attribute supported?	[R2] D.3.2.2.5.27	MECS1:O	NA
MECS237	Is the PreviousWeekConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.28	MECS1:O	NA
MECS238	Is the PreviousWeekConsumptionReceived attribute supported?	[R2] D.3.2.2.5.29	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS239	Is the PreviousWeek2ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.28	MECS1:O	NA
MECS240	Is the PreviousWeek2ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.29	MECS1:O	NA
MECS241	Is the PreviousWeek3ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.28	MECS1:O	NA
MECS242	Is the PreviousWeek3ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.29	MECS1:O	NA
MECS243	Is the PreviousWeek4ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.28	MECS1:O	NA
MECS244	Is the PreviousWeek4ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.29	MECS1:O	NA
MECS245	Is the PreviousWeek5ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.28	MECS1:O	NA
MECS246	Is the PreviousWeek5ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.29	MECS1:O	NA
MECS247	Is the CurrentMonthConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.30	MECS1:O	NA
MECS248	Is the CurrentMonthConsumptionReceived attribute supported?	[R2] D.3.2.2.5.31	MECS1:O	NA
MECS249	Is the PreviousMonthConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.32	MECS1:O	NA
MECS250	Is the PreviousMonthConsumptionReceived attribute supported?	[R2] D.3.2.2.5.33	MECS1:O	NA
MECS251	Is the PreviousMonth2ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.32	MECS1:O	NA
MECS252	Is the PreviousMonth2ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.33	MECS1:O	NA
MECS253	Is the PreviousMonth3ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.32	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS254	Is the PreviousMonth3ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.33	MECS1:O	NA
MECS255	Is the PreviousMonth4ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.32	MECS1:O	NA
MECS256	Is the PreviousMonth4ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.33	MECS1:O	NA
MECS257	Is the PreviousMonth5ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.32	MECS1:O	NA
MECS258	Is the PreviousMonth5ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.33	MECS1:O	NA
MECS259	Is the PreviousMonth6ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.32	MECS1:O	NA
MECS260	Is the PreviousMonth6ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.33	MECS1:O	NA
MECS261	Is the PreviousMonth7ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.32	MECS1:O	NA
MECS262	Is the PreviousMonth7ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.33	MECS1:O	NA
MECS263	Is the PreviousMonth8ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.32	MECS1:O	NA
MECS264	Is the PreviousMonth8ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.33	MECS1:O	NA
MECS265	Is the PreviousMonth9ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.32	MECS1:O	NA
MECS266	Is the PreviousMonth9ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.33	MECS1:O	NA
MECS267	Is the PreviousMonth10ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.32	MECS1:O	NA
MECS268	Is the PreviousMonth10ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.33	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS269	Is the PreviousMonth11ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.32	MECS1:O	NA
MECS270	Is the PreviousMonth11ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.33	MECS1:O	NA
MECS271	Is the PreviousMonth12ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.32	MECS1:O	NA
MECS272	Is the PreviousMonth12ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.33	MECS1:O	NA
MECS273	Is the PreviousMonth13ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.32	MECS1:O	NA
MECS274	Is the PreviousMonth13ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.33	MECS1:O	NA
MECS275	Is the HistoricalFreezeTime attribute supported?	[R2] D.3.2.2.5.34	MECS1:O	NA
MECS276	Is the DemandLimitArm Duration attribute supported?	[R2] D.3.2.2.7.5	MECS1:O	NA
MECS277	Is the LoadLimitSupplyState attribute supported?	[R2] D.3.2.2.7.6	MECS1:O	NA
MECS278	Is the LoadLimitCounter attribute supported?	[R2] D.3.2.2.7.7	MECS1:O	NA
MECS279	Is the SupplyTamperState attribute supported?	[R2] D.3.2.2.7.8	MECS1:O	NA
MECS280	Is the SupplyDepletionState attribute supported?	[R2] D.3.2.2.7.9	MECS1:O	NA
MECS281	Is the SupplyUncontrolled FlowState attribute supported?	[R2] D.3.2.2.7.10	MECS1:O	NA
MECS282	Is the Extended Generic AlarmMask attribute supported?	[R2] D.3.2.2.9.2	MECS1:O	NA
MECS283	Is the Manufacturer AlarmMask attribute supported?	[R2] D.3.2.2.9.2	MECS1:O	NA
MECS284	Are any Block Information ‘No Tier’ Received attributes (0x00 to 0x0F) supported?	[R2] D.3.2.2.10	MECS132:O[23]	NA

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Item number	Item description	Reference	Status	Support
MECS285	Are any Block Information 'TierxBlocky' Received attributes (0x10 to 0xFF) supported	[R2] D.3.2.2.10	MECS133:O	NA
MECS286	Is the BillToDateDelivered attribute supported?	[R2] D.3.2.2.11.1	MECS1:O	NA
MECS287	Is the BillToDateTimeStampDelivered attribute supported?	[R2] D.3.2.2.11.2	MECS1:O	NA
MECS288	Is the ProjectedBillDelivered attribute supported?	[R2] D.3.2.2.11.3	MECS1:O	NA
MECS289	Is the ProjectedBillTimeStampDelivered attribute supported?	[R2] D.3.2.2.11.4	MECS1:O	NA
MECS290	Is the BillDeliveredTrailingDigit attribute supported?	[R2] D.3.2.2.11.5	MECS1:O	NA
MECS291	Is the BillToDateReceived attribute supported?	[R2] D.3.2.2.11.6	MECS1:O	NA
MECS292	Is the BillToDateTimeStampReceived attribute supported?	[R2] D.3.2.2.11.7	MECS1:O	NA
MECS293	Is the ProjectedBillReceived attribute supported?	[R2] D.3.2.2.11.8	MECS1:O	NA
MECS294	Is the ProjectedBillTimeStampReceived attribute supported?	[R2] D.3.2.2.11.9	MECS1:O	NA
MECS295	Is the BillReceivedTrailingDigit attribute supported?	[R2] D.3.2.2.11.10	MECS1:O	NA
MECS296	Is the ProposedChangeSupplyImplementationTime attribute supported?	[R2] D.3.2.2.12.1	MECS1:O	NA
MECS297	Is the ProposedChangeSupplyStatus attribute supported?	[R2] D.3.2.2.12.2	MECS1:O	NA
MEC298	Is the Uncontrolled Flow Threshold attribute supported?	[R2] D.3.2.2.12.3	MECS1:O	NA
MEC299	Is the Uncontrolled Flow Threshold Unit of Measure attribute supported?	[R2] D.3.2.2.12.4	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MEC300	Is the Uncontrolled Flow Multiplier attribute supported?	[R2] D.3.2.2.12.5	MECS1:O	NA
MEC300	Is the Uncontrolled Flow Divisor attribute supported?	[R2] D.3.2.2.12.6	MECS1:O	NA
MEC301	Is the Flow Stabilisation Period attribute supported?	[R2] D.3.2.2.12.7	MECS1:O	NA
MEC302	Is the Flow Measurement Period attribute supported?	[R2] D.3.2.2.12.8	MECS1:O	NA
MECS303	Is the AlternativeInstantaneousDemand attribute supported?	[R2] D.3.2.2.13.1	MECS1:O	NA
MECS304	Is the CurrentDay AlternativeConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.2	MECS1:O	NA
MECS305	Is the CurrentDay AlternativeConsumptionReceived attribute supported?	[R2] D.3.2.2.13.3	MECS1:O	NA
MECS306	Is the PreviousDay AlternativeConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.4	MECS1:O	NA
MECS307	Is the PreviousDay AlternativeConsumptionReceived attribute supported?	[R2] D.3.2.2.13.5	MECS1:O	NA
MECS308	Is the CurrentAlternativePartialProfile IntervalStartTimeDelivered attribute supported?	[R2] D.3.2.2.13.6	MECS1:O	NA
MECS309	Is the CurrentAlternativePartialProfile IntervalStartTimeReceived attribute supported?	[R2] D.3.2.2.13.7	MECS1:O	NA
MECS310	Is the CurrentAlternativePartialProfile IntervalValueDelivered attribute supported?	[R2] D.3.2.2.13.8	MECS1:O	NA
MECS311	Is the CurrentAlternativePartialProfile IntervalValueReceived attribute supported?	[R2] D.3.2.2.13.9	MECS1:O	NA
MECS312	Is the CurrentDayAlternativeMaxPressure attribute supported?	[R2] D.3.2.2.13.10	MECS1:O	NA
MECS313	Is the PreviousDayAlternativeMaxPressure attribute supported?	[R2] D.3.2.2.13.11	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS314	Is the CurrentDayAlternativeMinPressure attribute supported?	[R2] D.3.2.2.13.12	MECS1:O	NA
MECS315	Is the PreviousAlternativeDayMinPressure attribute supported?	[R2] D.3.2.2.13.13	MECS1:O	NA
MECS316	Is the CurrentDayAlternativeMaxDemand attribute supported?	[R2] D.3.2.2.13.14	MECS1:O	NA
MECS317	Is the PreviousDayAlternativeMaxDemand attribute supported?	[R2] D.3.2.2.13.15	MECS1:O	NA
MECS318	Is the CurrentMonthAlternativeMaxDemand attribute supported?	[R2] D.3.2.2.13.16	MECS1:O	NA
MECS319	Is the CurrentYearAlternativeMaxDemand attribute supported?	[R2] D.3.2.2.13.17	MECS1:O	NA
MECS320	Is the PreviousDay2Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.18	MECS1:O	NA
MECS321	Is the PreviousDay2Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.19	MECS1:O	NA
MECS322	Is the PreviousDay3Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.18	MECS1:O	NA
MECS323	Is the PreviousDay3Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.19	MECS1:O	NA
MECS324	Is the PreviousDay4Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.18	MECS1:O	NA
MECS325	Is the PreviousDay4Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.19	MECS1:O	NA
MECS326	Is the PreviousDay5Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.18	MECS1:O	NA
MECS327	Is the PreviousDay5Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.19	MECS1:O	NA
MECS328	Is the PreviousDay6Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.18	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS329	Is the PreviousDay6Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.19	MECS1:O	NA
MECS330	Is the PreviousDay7Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.18	MECS1:O	NA
MECS331	Is the PreviousDay7Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.19	MECS1:O	NA
MECS332	Is the PreviousDay8Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.18	MECS1:O	NA
MECS333	Is the PreviousDay8Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.19	MECS1:O	NA
MECS334	Is the CurrentWeek Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.20	MECS1:O	NA
MECS335	Is the CurrentWeek Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.21	MECS1:O	NA
MECS336	Is the PreviousWeek Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.22	MECS1:O	NA
MECS337	Is the PreviousWeekAlternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.23	MECS1:O	NA
MECS338	Is the PreviousWeek2Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.22	MECS1:O	NA
MECS339	Is the PreviousWeek2Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.23	MECS1:O	NA
MECS340	Is the PreviousWeek3Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.22	MECS1:O	NA
MECS341	Is the PreviousWeek3Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.23	MECS1:O	NA
MECS342	Is the PreviousWeek4Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.22	MECS1:O	NA
MECS343	Is the PreviousWeek4Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.23	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS344	Is the PreviousWeek5Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.22	MECS1:O	NA
MECS345	Is the PreviousWeek5Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.23	MECS1:O	NA
MECS346	Is the CurrentMonthAlternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.24	MECS1:O	NA
MECS347	Is the CurrentMonthAlternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.25	MECS1:O	NA
MECS348	Is the PreviousMonthAlternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.26	MECS1:O	NA
MECS349	Is the PreviousMonthAlternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.27	MECS1:O	NA
MECS350	Is the PreviousMonth2Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.26	MECS1:O	NA
MECS351	Is the PreviousMonth2Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.27	MECS1:O	NA
MECS352	Is the PreviousMonth3Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.26	MECS1:O	NA
MECS353	Is the PreviousMonth3Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.27	MECS1:O	NA
MECS356	Is the PreviousMonth4Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.26	MECS1:O	NA
MECS357	Is the PreviousMonth4Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.27	MECS1:O	NA
MECS358	Is the PreviousMonth5Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.26	MECS1:O	NA
MECS359	Is the PreviousMonth5Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.27	MECS1:O	NA
MECS360	Is the PreviousMonth6Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.26	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS361	Is the PreviousMonth6Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.27	MECS1:O	NA
MECS362	Is the PreviousMonth7Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.26	MECS1:O	NA
MECS363	Is the PreviousMonth7Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.27	MECS1:O	NA
MECS364	Is the PreviousMonth8Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.26	MECS1:O	NA
MECS365	Is the PreviousMonth8Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.27	MECS1:O	NA
MECS366	Is the PreviousMonth9Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.26	MECS1:O	NA
MECS367	Is the PreviousMonth9Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.27	MECS1:O	NA
MECS368	Is the PreviousMonth10Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.26	MECS1:O	NA
MECS369	Is the PreviousMonth10Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.27	MECS1:O	NA
MECS370	Is the PreviousMonth11Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.26	MECS1:O	NA
MECS371	Is the PreviousMonth11Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.27	MECS1:O	NA
MECS372	Is the PreviousMonth12Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.5.26	MECS1:O	NA
MECS373	Is the PreviousMonth12Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.13.27	MECS1:O	NA
MECS374	Is the PreviousMonth13Alternative ConsumptionDelivered attribute supported?	[R2] D.3.2.2.13.26	MECS1:O	NA
MECS375	Is the PreviousMonth13Alternative ConsumptionReceived attribute supported?	[R2] D.3.2.2.5.27	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS376	Is the reception of ScheduleSnapShot command supported?	[R2] D.3.3.3.1.5	MECS1:O	NA
MECS377	Is the reception of TakeSnapshot command supported?	[R2] D.3.3.3.1.6	MECS1:O	NA
MECS378	Is the reception of GetSnapshot command supported?	[R2] D.3.3.3.1.7	MECS1:O	NA
MECS379	Is the reception of StartSampling command supported?	[R2] D.3.3.3.1.8	MECS1:O	NA
MECS380	Is the reception of GetSampledData command supported?	[R2] D.3.3.3.1.9	MECS1:O	NA
MECS381	Is the reception of MirrorReportAttributeResponse command supported?	[R2] D.3.3.3.1.10	MECS1:O	NA
MECS382	Is the reception of ResetLoad Limit Counter command supported?	[R2] D.3.3.3.1.11	MECS1:O	NA
MECS383	Is the reception of Change Supply command supported?	[R2] D.3.3.3.1.12	MECS1:O	NA
MECS384	Is the reception of Local Change Supply command supported?	[R2] D.3.3.3.1.13	MECS1:O	NA
MECS385	Is the reception of SetSupplyStatus command supported?	[R2] D.3.3.3.1.14	MECS1:O	NA
MECS386	Is the reception of SetUncontrolledFlowThreshold command supported?	[R2] D.3.3.3.1.15	MECS1:O	NA
MECS387	Is the generation of ScheduleSnapShotResponse command supported?	[R2] D.3.2.3.1.5	MECS1:O	NA
MECS388	Is the generation of TakeSnapshotResponse command supported?	[R2] D.3.2.3.1.6	MECS1:O	NA
MECS389	Is the generation of Publish Snapshot command supported?	[R2] D.3.2.3.1.7	MECS1:O	NA
MECS390	Is the generation of GetSampledDataResponse command supported?	[R2] D.3.2.3.1.8	MECS1:O	NA

Item number	Item description	Reference	Status	Support
MECS391	Is the generation of ConfigureMirror command supported?	[R2] D.3.2.3.1.9	MECS1:O	NA
MECS392	Is the generation of ConfigureNotificationScheme command supported?	[R2] D.3.2.3.1.10	MECS1:O	NA
MECS393	Is the generation of ConfigureNotificationFlags command supported?	[R2] D.3.2.3.1.11	MECS1:O	NA
MECS394	Is the generation of GetNotified Message command supported?	[R2] D.3.2.3.1.12	MECS1:O	NA
MECS395	Is the generation of Supply Status Response command supported?	[R2] D.3.2.3.1.13	MECS1:O	NA
MECS396	Is the generation of StartSamplingResponse command supported?	[R2] D.3.2.3.1.14	MECS1:O	NA

424 **Table 36 – Metering cluster client capabilities**

Item number	Item description	Reference	Status	Support
MECC1	Is the Metering Cluster supported as a client?	[R2]/D.3	O	Y [Int: EP# 1]
MECC2	Is the reception of Get Profile Response command supported?	[R2]/D.3.2.3.1.1	MECC1:O	Y [Int: EP# 1]
MECC3	Is the reception of Request Mirror command supported?	[R2]/D.3.2.3.1.2	MECC1:O	N
MECC4	Is the reception of Remove Mirror command supported?	[R2]/D.3.2.3.1.3	MECC1:O	N
MECC5	Is the generation of Get Profile command supported?	[R2]/D.3.3.3.1.1	MECC1:O	Y [Int: EP# 1]
MECC6	Is the generation of Request Mirror Response command supported?	[R2]/D.3.3.3.1.2	MECC1:O	N
MECC7	Is the generation of Mirror Removed command supported?	[R2]/D.3.3.3.1.3	MECC1:O	N

Item number	Item description	Reference	Status	Support
MECC8	Is the reception of Request Fast Poll Mode Response command supported?	[R2]/D.3.2.3.1.4	MECC1:O	N
MECC9	Is the generation of Request Fast Poll Mode command supported?	[R2]/D.3.3.3.1.4	MECC1:O	N
MECC10	Does the device support reception of fragmented Get Profile Response commands?		MECC5:M	Y [Int: EP# 1]
MECC11	Is the FunctionalNotificationFlags attribute supported?	[R2]/D.3.3.2.1.1	MECC1:O	N
MECC12	Is the NotificationFlags2 attribute supported?	[R2]/D.3.3.2.1.2	MECC1:O	N
MECC13	Is the NotificationFlags3 attribute supported?	[R2]/D.3.3.2.1.2	MECC1:O	N
MECC14	Is the NotificationFlags4 attribute supported?	[R2]/D.3.3.2.1.2	MECC1:O	N
MECC15	Is the NotificationFlags5 attribute supported?	[R2]/D.3.3.2.1.2	MECC1:O	N
MECC16	Is the NotificationFlags6 attribute supported?	[R2]/D.3.3.2.1.2	MECC1:O	N
MECC17	Is the NotificationFlags7 attribute supported?	[R2]/D.3.3.2.1.2	MECC1:O	N
MECC18	Is the NotificationFlags8 attribute supported?	[R2]/D.3.3.2.1.2	MECC1:O	N
MECC22	Is the reception of ScheduleSnapShotResponse command supported?	[R2]/D.3.2.3.1.5	MECC1:O	N
MECC23	Is the reception of TakeSnapshotResponse command supported?	[R2]/D.3.2.3.1.6	MECC1:O	N
MECC24	Is the reception of Publish Snapshot command supported?	[R2]/D.3.2.3.1.7	MECC1:O	N
MECC25	Is the reception of GetSampledDataResponse command supported?	[R2]/D.3.2.3.1.8	MECC1:O	Y [Int: EP# 1]
MECC26	Is the reception of ConfigureMirror command supported?	[R2]/D.3.2.3.1.9	MECC1:O	N
MECC27	Is the reception of ConfigureNotificationScheme command supported?	[R2]/D.3.2.3.1.10	MECC1:O	N

Item number	Item description	Reference	Status	Support
MECC28	Is the reception of ConfigureNotificationFlags command supported?	[R2]/D.3.2.3.1.11	MECC1:O	N
MECC29	Is the reception of GetNotifiedMessage command supported?	[R2]/D.3.2.3.1.12	MECC1:O	N
MECC30	Is the reception of Supply Status Response command supported?	[R2]/D.3.2.3.1.13	MECC1:O	N
MECC31	Is the reception of StartSamplingResponse command supported?	[R2]/D.3.2.3.1.14	MECC1:O	N
MECC32	Is the generation of ScheduleSnapShot command supported?	[R2]/D.3.3.3.1.5	MECC1:O	N
MECC33	Is the generation of TakeSnapshot command supported?	[R2]/D.3.3.3.1.6	MECC1:O	N
MECC34	Is the generation of GetSnapshot command supported?	[R2]/D.3.3.3.1.7	MECC1:O	N
MECC35	Is the generation of StartSampling command supported?	[R2]/D.3.3.3.1.8	MECC1:O	N
MECC36	Is the generation of GetSampledData command supported?	[R2]/D.3.3.3.1.9	MECC1:O	Y [Int: EP# 1]
MECC37	Is the generation of MirrorReportAttributeResponse command supported?	[R2]/D.3.3.3.1.10	MECC1:O	N
MECC38	Is the generation of ResetLoadLimitCounter command supported?	[R2]/D.3.3.3.1.11	MECC1:O	N
MECC39	Is the generation of Change Supply command supported?	[R2]/D.3.3.3.1.12	MECC1:O	N
MECC40	Is the generation of Local Change Supply command supported?	[R2]/D.3.3.3.1.13	MECC1:O	Y [Int: EP# 1]
MECC41	Is the generation of SetSupplyStatus command supported?	[R2]/D.3.3.3.1.14	MECC1:O	N

Item number	Item description	Reference	Status	Support
MECC42	Is the generation of SetUncontrolledFlowThreshold command supported?	[R2]/D.3.3.3.1.15	MECC1:O	N

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427 8.8.10 **Price Cluster attributes and functions**

428 **Table 37 – Price cluster server capabilities**

Item number	Item description	Reference	Status	Support
PCS1	Is the Price Cluster supported as a server?	[R2]/D.4	O	N
PCS2	Is the Tier1PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS3	Is the Tier2PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS4	Is the Tier3PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS5	Is the Tier4PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS6	Is the Tier5PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS7	Is the Tier6PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS8	Is the reception of Get Current Price command supported?	[R2]/D.4.2.3.2	PCS1:M	NA
PCS9	Is the reception of Get Scheduled Prices command supported?	[R2]/D.4.2.3.3	PCS1:O	NA
PCS10	Is the generation of Publish Price command supported?	[R2]/D.4.2.4.1	PCS1:M	NA
PCS11	Is the Tier7PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS12	Is the Tier8PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS13	Is the Tier9PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS14	Is the Tier10PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA

Item number	Item description	Reference	Status	Support
PCS15	Is the Tier11PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS16	Is the Tier12PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS17	Is the Tier13PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS18	Is the Tier14PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS19	Is the Tier15PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS20	Are any Block Threshold attributes 0x0100 to 0x010F supported?	[R2]/D.4.2.2.2.1	PCS42:M PCS43:M	NA
PCS25	Is the reception of Price Acknowledgement command supported?	[R2]/D.4.2.3.4	PCS1:O	NA
PCS26	Is the generation of Publish Block Period command supported?	[R2]/D.4.2.4.2	PCS42:O PCS43:O	NA
PCS27	Is the reception of Get Block Period(s) command support?	[R2]/D.4.2.3.5	PCS42:O PCS43:O	NA
PCS28	Is the Commodity Type (server) attribute supported?	[R2]/D.4.2.2.4.1	PCS1:O	NA
PCS29	Is the Standing Charge attribute supported?	[R2]/D.4.2.2.4.2	PCS1:O	NA
PCS30	Is the *ConversionFactor* attribute supported?	[R2]/D.4.2.2.4.3	PCS1:O	NA
PCS31	Is the *ConversionFactorTrailingDigit* supported?	[R2]/D.4.2.2.4.4	PCS1:O	NA
PCS32	Is the *CalorificValue* attribute supported?	[R2]/D.4.2.2.4.5	PCS1:O	NA
PCS33	Is the *CalorificValueUnit* attribute supported?	[R2]/D.4.2.2.4.6	PCS1:O	NA
PCS34	Is the *CalorificValueTrailingDigit* attribute supported?	[R2]/D.4.2.2.4.7	PCS1:O	NA
PCS36	Is the reception of the *GetConversionFactor* command supported?	[R2]/D.4.2.3.6	PCS1:O	NA

Item number	Item description	Reference	Status	Support
PCS37	Is the reception of the *GetCalorificValue* command supported?	[R2]/D.4.2.3.7	PCS1:O	NA
PCS38	Is the generation of the *Publish Conversion Factor* command supported?	[R2]/D.4.2.4.3	PCS1:O	NA
PCS39	Is the generation of the *Publish Calorific Value* command supported?	[R2]/D.4.2.4.4	PCS1:O	NA
PCS40	Is the *CurrentBillingPeriodStart* attribute supported?	[R2]/D.4.2.2.8.1	PCS1:O	NA
PCS41	Is the *CurrentBillingPeriodDuration* attribute supported?	[R2]/D.4.2.2.8.2	PCS1:O	NA
PCS42	Does the device support Block Charging only?	[R2]/D.4.4.3.2	PCS1:O	NA
PCS43	Does the device support Block/TOU Combination Charging ?	[R2]/D.4.4.3.3	PCS1:O	NA
PCS44	Is the Block Period (Delivered) attribute set supported?	[R2]/D.4.2.2.3	PCS42:O PCS43:O	NA
PCS45	Are any Block Price Information (Delivered) 'No Tier' attributes (0x0400 to 0x040F) supported?	[R2]/D.4.2.2.5	PCS42:M	NA
PCS46	Are any Block Price Information (Delivered) 'TierxBlocky' attributes (0x0410 to 0x04FF) supported?	[R2]/D.4.2.2.5	PCS43:O	NA
PCS47	Is the Tier16PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS48	Is the Tier17PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS49	Is the Tier18PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS50	Is the Tier19PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS51	Is the Tier20PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS52	Is the Tier21PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS53	Is the Tier22PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA

Item number	Item description	Reference	Status	Support
PCS54	Is the Tier23PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS55	Is the Tier24PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS56	Is the Tier25PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS57	Is the Tier26PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS58	Is the Tier27PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS59	Is the Tier28PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS60	Is the Tier29PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS61	Is the Tier30PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS62	Is the Tier31PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS63	Is the Tier32PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS64	Is the Tier33PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS65	Is the Tier34PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS66	Is the Tier35PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS67	Is the Tier36PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS68	Is the Tier37PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS69	Is the Tier38PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS70	Is the Tier39PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS71	Is the Tier40PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS72	Is the Tier41PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS73	Is the Tier42PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS74	Is the Tier43PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS75	Is the Tier44PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA

Item number	Item description	Reference	Status	Support
PCS76	Is the Tier45PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS77	Is the Tier46PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS78	Is the Tier47PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS79	Is the Tier48PriceLabel attribute supported?	[R2]/D.4.2.2.1	PCS1:O	NA
PCS80	Is the BlockThresholdCount attribute supported?	[R2]/D.4.2.2.2.2	PCS1:O	NA
PCS81	Are any TierNBlockMThreshold attributes supported?	[R2]/D.4.2.2.2.3	PCS43:O	NA
PCS82	Are any TierNBlockThresholdCount attributes supported?	[R2]/D.4.2.2.2.4	PCS43:O	NA
PCS83	Are any PriceTierN attributes supported?	[R2]/D.4.2.2.6.1	PCS1:O	NA
PCS84	Is the CPP1 Price attribute supported?	[R2]/D.4.2.2.6.2	PCS1:O	NA
PCS85	Is the CPP2 Price attribute supported?	[R2]/D.4.2.2.6.3	PCS1:O	NA
PCS86	Is the TariffLabel attribute supported?	[R2]/D.4.2.2.7.1	PCS1:O	NA
PCS87	Is the NumberofPriceTiersInUse attribute supported?	[R2]/D.4.2.2.7.2	PCS1:O	NA
PCS88	Is the NumberofBlockThresholdsInUse attribute supported?	[R2]/D.4.2.2.7.3	PCS1:O	NA
PCS89	Is the TierBlockMode attribute supported?	[R2]/D.4.2.2.7.4	PCS1:O	NA
PCS90	Is the Unit of Measure attribute supported?	[R2]/D.4.2.2.7.5	PCS1:O	NA
PCS91	Is the Currency attribute supported?	[R2]/D.4.2.2.7.6	PCS1:O	NA
PCS92	Is the Price Trailing Digit attribute supported?	[R2]/D.4.2.2.7.7	PCS1:O	NA
PCS93	Is the TariffResolutionPeriod attribute supported?	[R2]/D.4.2.2.7.8	PCS1:O	NA
PCS94	Is the CO_2 attribute supported?	[R2]/D.4.2.2.7.9	PCS1:O	NA

Item number	Item description	Reference	Status	Support
PCS95	Is the CO_2Unit attribute supported?	[R2]/D.4.2.2.7.10	PCS1:O	NA
PCS96	Is the CO_2TrailingDigit attribute supported?	[R2]/D.4.2.2.7.11	PCS1:O	NA
PCS97	Is the LastBillingPeriodStart attribute supported?	[R2]/D.4.2.2.8.3	PCS1:O	NA
PCS98	Is the LastBillingPeriodDuration attribute supported?	[R2]/D.4.2.2.8.4	PCS1:O	NA
PCS99	Is the LastBillingPeriodConsolidatedBill attribute supported?	[R2]/D.4.2.2.8.5	PCS1:O	NA
PCS100	Is the CreditPaymentDueDate attribute supported?	[R2]/D.4.2.2.9.1	PCS1:O	NA
PCS101	Is the CreditPaymentStatus attribute supported?	[R2]/D.4.2.2.9.2	PCS1:O	NA
PCS102	Is the CreditPaymentOverDueAmount attribute supported?	[R2]/D.4.2.2.9.3	PCS1:O	NA
PCS103	Is the PaymentDiscount attribute supported?	[R2]/D.4.2.2.9.4	PCS1:O	NA
PCS104	Is the PaymentDiscountPeriod attribute supported?	[R2]/D.4.2.2.9.5	PCS1:O	NA
PCS105	Is the CreditPayment#1 attribute supported?	[R2]/D.4.2.2.9.6	PCS1:O	NA
PCS106	Is the CreditPaymentDate#1 attribute supported?	[R2]/D.4.2.2.9.7	PCS1:O	NA
PCS107	Is the CreditPaymentRef#1 attribute supported?	[R2]/D.4.2.2.9.8	PCS1:O	NA
PCS108	Is the CreditPayment#2 attribute supported?	[R2]/D.4.2.2.9.6	PCS1:O	NA
PCS109	Is the CreditPaymentDate#2 attribute supported?	[R2]/D.4.2.2.9.7	PCS1:O	NA
PCS110	Is the CreditPaymentRef#2 attribute supported?	[R2]/D.4.2.2.9.8	PCS1:O	NA
PCS111	Is the CreditPayment#3 attribute supported?	[R2]/D.4.2.2.9.6	PCS1:O	NA
PCS112	Is the CreditPaymentDate#3 attribute supported?	[R2]/D.4.2.2.9.7	PCS1:O	NA

Item number	Item description	Reference	Status	Support
PCS113	Is the CreditPaymentRef#3 attribute supported?	[R2]/D.4.2.2.9.8	PCS1:O	NA
PCS114	Is the CreditPayment#4 attribute supported?	[R2]/D.4.2.2.9.6	PCS1:O	NA
PCS115	Is the CreditPaymentDate#4 attribute supported?	[R2]/D.4.2.2.9.7	PCS1:O	NA
PCS116	Is the CreditPaymentRef#4 attribute supported?	[R2]/D.4.2.2.9.8	PCS1:O	NA
PCS117	Is the CreditPayment#5 attribute supported?	[R2]/D.4.2.2.9.6	PCS1:O	NA
PCS118	Is the CreditPaymentDate#5 attribute supported?	[R2]/D.4.2.2.9.7	PCS1:O	NA
PCS119	Is the CreditPaymentRef#5 attribute supported?	[R2]/D.4.2.2.9.8	PCS1:O	NA
PCS120	Are any ReceivedTierNPriceLabel attributes supported?	[R2]/D.4.2.2.10	PCS1:O	NA
PCS121	Are any ReceivedBlockNThreshold attributes supported?	[R2]/D.4.2.2.11	PCS42:O PCS43:O	NA
PCS122	Is the ReceivedStartofBlockPeriod attribute supported?	[R2]/D.4.2.2.12.1	PCS1:O	NA
PCS123	Is the ReceivedBlockPeriodDuration attribute supported?	[R2]/D.4.2.2.12.2	PCS1:O	NA
PCS124	Is the ReceivedThresholdMultiplier attribute supported?	[R2]/D.4.2.2.12.3	PCS1:O	NA
PCS125	Is the ReceivedThresholdDivisor attribute supported?	[R2]/D.4.2.2.12.4	PCS1:O	NA
PCS126	Are any Received Block Price Information ‘RxTierMBlockNPrice’ attributes supported?	[R2]/D.4.2.2.13	PCS42:O PCS43:O	NA
PCS127	Are any ReceivedPriceTierN attributes supported?	[R2]/D.4.2.2. 14	PCS1:O	NA
PCS128	Is the ReceivedTariffLabel attribute supported?	[R2]/D.4.2.2.15.1	PCS1:O	NA
PCS129	Is the ReceivedNumberofPriceTiersInUse attribute supported?	[R2]/D.4.2.2.15.2	PCS1:O	NA

Item number	Item description	Reference	Status	Support
PCS130	Is the ReceivedNumberofBlockThresholdsInUse attribute supported?	[R2]/D.4.2.2.15.3	PCS1:O	NA
PCS131	Is the ReceivedTierBlockMode attribute supported?	[R2]/D.4.2.2.15.4	PCS1:O	NA
PCS132	Is the ReceivedTariffResolutionPeriod attribute supported?	[R2]/D.4.2.2.15.5	PCS1:O	NA
PCS133	Is the ReceivedCO_2 attribute supported?	[R2]/D.4.2.2.15.6	PCS1:O	NA
PCS134	Is the ReceivedCO_2Unit attribute supported?	[R2]/D.4.2.2.15.7	PCS1:O	NA
PCS135	Is the ReceivedCO_2TrailingDigit attribute supported?	[R2]/D.4.2.2.15.8	PCS1:O	NA
PCS136	Is the ReceivedCurrentBillingPeriodStart attribute supported?	[R2]/D.4.2.2.16.1	PCS1:O	NA
PCS137	Is the ReceivedCurrentBillingPeriodDuration attribute supported?	[R2]/D.4.2.2.16.2	PCS1:O	NA
PCS138	Is the ReceivedLastBillingPeriodStart attribute supported?	[R2]/D.4.2.2.16.3	PCS1:O	NA
PCS139	Is the ReceivedLastBillingPeriodDuration attribute supported?	[R2]/D.4.2.2.16.4	PCS1:O	NA
PCS140	Is the ReceivedLastBillingPeriodConsolidatedBill attribute supported?	[R2]/D.4.2.2.16.5	PCS1:O	NA
PCS141	Is the reception of the *GetTariffInformation* command supported?	[R2]/D.4.2.3.8	PCS1:O	NA
PCS142	Is the reception of the *GetPriceMatrix* command supported?	[R2]/D.4.2.3.9	PCS1:O	NA
PCS143	Is the reception of the *GetBlockThresholds* command supported?	[R2]/D.4.2.3.10	PCS1:O	NA
PCS144	Is the reception of the *GetCO_2Value* command supported?	[R2]/D.4.2.3.11	PCS1:O	NA

Item number	Item description	Reference	Status	Support
PCS145	Is the reception of the *GetTierLabels* command supported?	[R2]/D.4.2.3.12	PCS1:O	NA
PCS146	Is the reception of the *GetBillingPeriod* command supported?	[R2]/D.4.2.3.13	PCS1:O	NA
PCS147	Is the reception of the *GetConsolidatedBill* command supported?	[R2]/D.4.2.3.14	PCS1:O	NA
PCS148	Is the reception of the *CPPEventResponse* command supported?	[R2]/D.4.2.3.15	PCS1:O	NA
PCS149	Is the reception of the *GetCreditPayment* command supported?	[R2]/D.4.2.3.16	PCS1:O	NA
PCS150	Is the reception of the *GetCurrencyConversion* command supported?	[R2]/D.4.2.3.17	PCS1:O	NA
PCS151	Is the reception of the *GetTariffCancellation* command supported?	[R2]/D.4.2.3.18	PCS1:O	NA
PCS152	Is the generation of the *PublishTariffInformation* command supported?	[R2]/D.4.2.4.5	PCS1:O	NA
PCS153	Is the generation of the *PublishPriceMatrix* command supported?	[R2]/D.4.2.4.6	PCS1:O	NA
PCS154	Is the generation of the *PublishBlockThresholds* command supported?	[R2]/D.4.2.4.7	PCS1:O	NA
PCS155	Is the generation of the *PublishCO_2Value* command supported?	[R2]/D.4.2.4.8	PCS1:O	NA
PCS156	Is the generation of the *PublishTierLabels* command supported?	[R2]/D.4.2.4.9	PCS1:O	NA
PCS157	Is the generation of the *PublishBillingPeriod* command supported?	[R2]/D.4.2.4.10	PCS1:O	NA
PCS158	Is the generation of the *PublishConsolidatedBill* command supported?	[R2]/D.4.2.4.11	PCS1:O	NA
PCS159	Is the generation of the *PublishCPPEvent* command supported?	[R2]/D.4.2.4.12	PCS1:O	NA

Item number	Item description	Reference	Status	Support
PCS160	Is the generation of the *PublishCreditPayment* command supported?	[R2]/D.4.2.4.13	PCS1:O	NA
PCS161	Is the generation of the *PublishCurrencyConversion* command supported?	[R2]/D.4.2.4.14	PCS1:O	NA
PCS162	Is the generation of the *CancelTariff* command supported?	[R2]/D.4.2.4.15	PCS1:O	NA

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430 **Table 38 – Price cluster client capabilities**

Item number	Item description	Reference	Status	Support
PCC1	Is the Price Cluster supported as a client?	[R2]/D.4	O	Y [Int: EP# 1]
PCC2	Is the reception of Publish Price command supported?	[R2]/D.4.2.4.1	PCC1:M	Y [Int: EP# 1]
PCC3	Is the generation of Get Current Price command supported?	[R2]/D.4.2.3.2	PCC1:M	Y [Int: EP# 1]
PCC4	Is the generation of Get Scheduled Prices command supported?	[R2]/D.4.2.3.3	PCC1:O	Y [Int: EP# 1]
PCC5	Is the PriceIncreaseRandomizeMinutes attribute supported?	[R2]/D.4.3.2.1	PCC1:O	N
PCC6	Is the PriceDecreaseRandomizeMinutes attribute supported?	[R2]/D.4.3.2.2	PCC1:O	N
PCC7	Is the Commodity Type (client) attribute supported?	[R2]/D.4.3.2.3	PCC1:O	N
PCC8	Is the generation of Price Acknowledgement command supported?	[R2]/D.4.2.3.4	PCC1:O	Y [Int: EP# 1]
PCC9	Is the reception of Publish Block Period command supported?	[R2]/D.4.2.4.2	PCC12:O PCC13:O	N

Item number	Item description	Reference	Status	Support
PCC10	Is the generation of Get Block Period(s) command supported?	[R2]/D.4.2.3.5	PCC12:O PCC13:O	N
PCC11	Is the TOU charging behavior supported?	[R2]/D.4.4.3.1	PCC1:O	Y [Int: EP# 1]
PCC12	Is the Block Tariffs Block Charging ONLY behavior supported?	[R2]/D.4.4.3.2	PCC1:O	N
PCC13	Is the Block Tariffs Block/TOU Combination Charging supported?	[R2]/D.4.4.3.3	PCC1:O	N
PCC14	Is the Block Tariffs guideline for extended non-communication supported?	[R2]/D.4.4.3.4	PCC12:O PCC13:O	N
PCC15	Is the Block Tariffs guideline for meter installation or swap-out supported?	[R2]/D.4.4.3.4	PCC12:O PCC13:O	N
PCC16	Is the generation of the *GetConversionFactor* command supported?	[R2]/D.4.2.3.6	PCC1:O	Y [Int: EP# 1]
PCC17	Is the generation of the *GetCalorificValue* command supported?	[R2]/D.4.2.3.7	PCC1:O	Y [Int: EP# 1]
PCC18	Is the reception of the *Publish Conversion Factor* command supported?	[R2]/D.4.2.4.3	PCC1:O	Y [Int: EP# 1]
PCC19	Is the reception of the *Publish Calorific Value* command supported?	[R2]/D.4.2.4.4	PCC1:O	Y [Int: EP# 1]
PCC20	Is the reception of the *PublishTariffInformation* command supported?	[R2]/D.4.2.4.5	PCC1:O	Y [Int: EP# 1]
PCC21	Is the reception of the *PublishPriceMatrix* command supported?	[R2]/D.4.2.4.6	PCC1:O	N
PCC22	Is the reception of the *PublishBlockThresholds* command supported?	[R2]/D.4.2.4.7	PCC1:O	N

Item number	Item description	Reference	Status	Support
PCC23	Is the reception of the *PublishCO_2Value* command supported?	[R2]/D.4.2.4.8	PCC1:O	Y [Int: EP# 1]
PCC24	Is the reception of the *PublishTierLabels* command supported?	[R2]/D.4.2.4.9	PCC1:O	N
PCC25	Is the reception of the *PublishBillingPeriod* command supported?	[R2]/D.4.2.4.10	PCC1:O	Y [Int: EP# 1]
PCC26	Is the reception of the *PublishConsolidatedBill* command supported?	[R2]/D.4.2.4.11	PCC1:O	N
PCC27	Is the reception of the *PublishCPPEvent* command supported?	[R2]/D.4.2.4.12	PCC1:O	N
PCC28	Is the reception of the *PublishCreditPayment* command supported?	[R2]/D.4.2.4.13	PCC1:O	N
PCC29	Is the reception of the *PublishCurrencyConversion* command supported?	[R2]/D.4.2.4.14	PCC1:O	N
PCC30	Is the reception of the *CancelTariff* command supported?	[R2]/D.4.2.4.15	PCC1:O	N
PCC31	Is the generation of the *GetTariffInformation* command supported?	[R2]/D.4.2.3.8	PCC1:O	Y [Int: EP# 1]
PCC32	Is the generation of the *GetPriceMatrix* command supported?	[R2]/D.4.2.3.9	PCC1:O	N
PCC33	Is the generation of the *GetBlockThresholds* command supported?	[R2]/D.4.2.3.10	PCC1:O	N
PCC34	Is the generation of the *GetCO_2Value* command supported?	[R2]/D.4.2.3.11	PCC1:O	Y [Int: EP# 1]
PCC35	Is the generation of the *GetTierLabels* command supported?	[R2]/D.4.2.3.12	PCC1:O	N
PCC36	Is the generation of the *GetBillingPeriod* command supported?	[R2]/D.4.2.3.13	PCC1:O	Y [Int: EP# 1]

Item number	Item description	Reference	Status	Support
PCC37	Is the generation of the *GetConsolidatedBill* command supported?	[R2]/D.4.2.3.14	PCC1:O	N
PCC38	Is the generation of the *CPPEventResponse* command supported?	[R2]/D.4.2.3.15	PCC1:O	N
PCC39	Is the generation of the *GetCreditPayment* command supported?	[R2]/D.4.2.3.16	PCC1:O	N
PCC40	Is the generation of the *GetCurrencyConversion* command supported?	[R2]/D.4.2.3.17	PCC1:O	N
PCC41	Is the generation of the *GetTariffCancellation* command supported?	[R2]/D.4.2.3.18	PCC1:O	N

8.8.11 Messaging Cluster attributes and functions

Table 39 – Messaging cluster server capabilities

Item number	Item description	Reference	Status	Support
MCS1	Is the Messaging Cluster supported as a server?	[R2]/D.5	O	N
MCS2	Is the reception of Get Last Message command supported?	[R2]/D.5.3.3.1	MCS1:M	NA
MCS5	Is the reception of Message Confirmation command supported?	[R2]/D.5.3.3.2	MCS1:M	NA
MCS3	Is the generation of Display Message command supported?	[R2]/D.5.2.3.1	MCS1:M	NA
MCS4	Is the generation of Cancel Message command supported?	[R2]/D.5.2.3.2	MCS1:M	NA
MCS5	Is the generation of Display Protected Message command supported?	[R2]/D.5.2.3.3	MCS1:O	NA
MCS6	Is the generation of Cancel All Messages command supported?	[R2]/D.5.2.3.4	MCS1:O	NA

Item number	Item description	Reference	Status	Support
MCS7	Is the reception of GetMessageCancellation command supported?	[R2]/D.5.3.3.3	MCS1:O	NA

435 **Table 40 – Messaging cluster client capabilities**

Item number	Item description	Reference	Status	Support
MCC1	Is the Messaging Cluster supported as a client?	[R2]/D.5	O	N
MCC2	Is the reception of Display Message command supported?	[R2]/D.5.2.3.1	MCC1:M	NA
MCC3	Is the reception of Cancel Message command supported?	[R2]/D.5.2.3.2	MCC1:M	NA
MCC4	Is the generation of Get Last Message command supported?	[R2]/D.5.3.3.1	MCC1:M	NA
MCC5	Is the generation of Message Confirmation command supported?	[R2]/D.5.3.3.2	MCC1:M	NA
MCC6	Is the reception of Display Protected Message command supported?	[R2]/D.5.2.3.3	MCC1:O	NA
MCC7	Is the reception of Cancel All Messages command supported?	[R2]/D.5.2.3.4	MCC1:O	NA
MCC8	Is the generation of GetMessageCancellation command supported?	[R2]/D.5.3.3.3	MCC1:O[24]	NA

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437 ### 8.8.12 Tunneling Cluster attributes and functions

438 **Table 41 – Tunneling cluster server capabilities**

Item number	Item description	Reference	Status	Support
TUS1	Is the Tunneling Cluster supported as a server?	[R2]/D.6	O	N

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Item number	Item description	Reference	Status	Support
TUS2	Is the reception of RequestTunnel command supported?	[R2]/D.6.2.4.1	TUS1:M	NA
TUS3	Is the reception of CloseTunnel command supported?	[R2]/D.6.2.4.2	TUS1:M	NA
TUS4	Is the reception of TransferData command supported?	[R2]/D.6.2.4.3	TUS1:M	NA
TUS5	Is the reception of TransferDataError command supported?	[R2]/D.6.2.4.4	TUS1:M	NA
TUS6	Is the reception of AckTransferData command supported?	[R2]/D.6.2.4.5	TUS1:O	NA
TUS7	Is the reception of ReadyData command supported?	[R2]/D.6.2.4.6	TUS1:O	NA
TUS8	Is the generation of RequestTunnelResponse command supported?	[R2]/D.6.2.5.1	TUS1:M	NA
TUS9	Is the generation of TransferData command supported?	[R2]/D.6.2.5.2	TUS1:M	NA
TUS10	Is the generation of TransferDataError command supported?	[R2]/D.6.2.5.3	TUS1:M	NA
TUS11	Is the generation of AckTransferData command supported?	[R2]/D.6.2.5.4	TUS1:O	NA
TUS12	Is the generation of ReadyData command supported?	[R2]/D.6.2.5.5	TUS1:O	NA
TUS13	Is the reception of the *GetSupportedTunnelProtocols* supported?	[R2]/D.6.2.4.7	TUS1:O	NA
TUS14	Is the generation of the *Supported Tunnel Protocols Response* command supported?	[R2]/D.6.2.5.6	TUS1:O	NA
TUS15	Is the generation of the *TunnelClosureNotification* command supported?	[R2]/D.6.2.5.7	TUS1:O	NA
TUS16	Is the *CloseTunnelTimeout* attribute supported?	[R2]/D.6.2.2.1	TUS1:M	NA

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Table 42 – Tunneling cluster client capabilities

Item number	Item description	Reference	Status	Support
TUC1	Is the Tunneling Cluster supported as a client?	[R2]/D.6	O	Y [Int: EP# 1]
TUC2	Is the reception of RequestTunnelResponse command supported?	[R2]/D.6.3.3 /D.6.2.5.1	TUC1:M	Y [Int: EP# 1]
TUC3	Is the reception of TransferData command supported?	[R2]/D.6.3.3 /D.6.2.5.2	TUC1:M	Y [Int: EP# 1]
TUC4	Is the reception of TransferDataError command supported?	[R2]/D.6.3.3 /D.6.2.5.3	TUC1:M	Y [Int: EP# 1]
TUC5	Is the reception of AckTransferData command supported?	[R2]/D.6.3.3 /D.6.2.5.4	TUC1:O	N
TUC6	Is the reception of ReadyData command supported?	[R2]/D.6.3.3 /D.6.2.5.5	TUC1:O	N
TUC7	Is the generation of RequestTunnel command supported?	[R2]/D.6.3.4 /D.6.2.4.1	TUC1:M	Y [Int: EP# 1]
TUC8	Is the generation of CloseTunnel command supported?	[R2]/D.6.3.4 /D.6.2.4.2	TUC1:M	Y [Int: EP# 1]
TUC9	Is the generation of TransferData command supported?	[R2]/D.6.3.4 /D.6.2.4.3	TUC1:M	Y [Int: EP# 1]
TUC10	Is the generation of TransferDataError command supported?	[R2]/D.6.3.4 /D.6.2.4.4	TUC1:M	Y [Int: EP# 1]
TUC11	Is the generation of AckTransferData command supported?	[R2]/D.6.3.4 /D.6.2.4.5	TUC1:O	N
TUC12	Is the generation of ReadyData command supported?	[R2]/D.6.3.4 /D.6.2.4.6	TUC1:O	N
TUC13	Is the generation of the *GetSupportedTunnelProtocols* supported?	[R2]/D.6.2.4 /D.6.2.4.7	TUC1:O	N

Item number	Item description	Reference	Status	Support
TUC14	Is the reception of the *Supported Tunnel Protocols Response* command supported?	[R2]/D.6.3.3 /D.6.2.5.6	TUC1:O	N
TUC15	Is the reception of the *TunnelClosureNotification* command supported?	[R2] /D.6.3.3 /D.6.2.5.7	TUC1:O	N

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442 8.8.13 **Prepayment Cluster attributes and functions**

443 **Table 43 – Prepayment cluster server capabilities**

Item number	Item description	Reference	Status	Support
PPCS1	Is the Prepayment Cluster supported as a server?	[R2]/D.7	O	N
PPCS2	Is the reception of Select Available Emergency Credit command supported?	[R2]/D.7.2.3.1	PPCS1:O	NA
PPCS3	RESERVED			NA
PPCS4	RESERVED			NA
PPCS7	Is the PaymentControlConfiguration attribute supported?	[R2]/D.7.2.2.1.1	PPCS1:M	NA
PPCS8	Is the Credit Remaining attribute supported?	[R2]/D.7.2.2.1.2	PPCS1:O	NA
PPCS9	Is the Emergency Credit Remaining attribute supported?	[R2]/D.7.2.2.1.3	PPCS1:O	NA
PPCS10	Is the Credit Status attribute supported?	[R2]/D.7.2.2.1.4	PPCS1:O	NA
PPCS11	Are the Top up Date/Time attributes supported? If so, list supported attributes #1-5.	[R2]/D.7.2.2.2.1	PPCS1:O	NA
PPCS12	Are the Top up Amount attributes supported? If so, list supported attributes #1-5.	[R2]/D.7.2.2.2.2	PPCS1:O	NA
PPCS13	Are the Originating Device attributes supported? If so, list supported attributes #1-5.	[R2]/D.7.2.2.2.3	PPCS1:O	NA
PPCS14	RESERVED			NA

Item number	Item description	Reference	Status	Support
PPCS15	RESERVED			NA
PPCS16	RESERVED			NA
PPCS17	RESERVED			NA
PPCS18	RESERVED			NA
PPCS19	RESERVED			NA
PPCS20	RESERVED			NA
PPCS21	RESERVED			NA
PPCS22	RESERVED			NA
PPCS23	RESERVED			NA
PPCS24	RESERVED			NA
PPCS25	Is the CreditRemainingTimeStamp attribute supported?	[R2]/D.7.2.2.1.5	PPCS1:O	NA
PPCS26	Is the AccumulatedDebt attribute supported?	[R2]/D.7.2.2.1.6	PPCS1:O	NA
PPCS27	Is the OverallDebtCap attribute supported?	[R2]/D.7.2.2.1.7	PPCS1:O	NA
PPCS28	Is the EmergencyCredit Limit/Allowance attribute supported?	[R2]/D.7.2.2.1.8	PPCS1:O	NA
PPCS29	Is the EmergencyCredit Threshold attribute supported?	[R2]/D.7.2.2.1.9	PPCS1:O	NA
PPCS30	Is the TotalCreditAdded attribute supported?	[R2]/D.7.2.2.1.10	PPCS1:O	NA
PPCS31	Is the MaxCreditLimit attribute supported?	[R2]/D.7.2.2.1.11	PPCS1:O	NA
PPCS32	Is the MaxCreditPerTopUp attribute supported?	[R2]/D.7.2.2.1.12	PPCS1:O	NA
PPCS33	Is the FriendlyCredit Warning attribute supported?	[R2]/D.7.2.2.1.13	PPCS1:O	NA
PPCS34	Is the LowCreditWarning attribute supported?	[R2]/D.7.2.2.1.14	PPCS1:O	NA
PPCS35	Is the IHDLowCreditWarning attribute supported?	[R2]/D.7.2.2.1.15	PPCS1:O	NA

Item number	Item description	Reference	Status	Support
PPCS36	Is the InterruptSuspend Time attribute supported?	[R2]/D.7.2.2.1.16	PPCS1:O	NA
PPCS37	Is the RemainingFriendlyCreditTime attribute supported?	[R2]/D.7.2.2.1.17	PPCS1:O	NA
PPCS38	Is the NextFriendlyCreditPeriod attribute supported?	[R2]/D.7.2.2.1.18	PPCS1:O	NA
PPCS39	Is the CutOffValue attribute supported?	[R2]/D.7.2.2.1.19	PPCS1:O	NA
PPCS40	Is the TokenCarrierID attribute supported?	[R2]/D.7.2.2.1.20	PPCS1:O	NA
PPCS41	Are the Top up Code attributes supported? If so, list supported attributes #1-5.	[R2]/D.7.2.2.2.4	PPCS1:O	NA
PPCS42	Are the DebtLabel attributes supported? If so, list supported attributes #1-3.	[R2]/D.7.2.2.3.1	PPCS1:O	NA
PPCS43	Are the DebtAmount attributes supported? If so, list supported attributes #1-3.	[R2]/D.7.2.2.3.2	PPCS1:O	NA
PPCS44	Are the DebtRecoveryMethod attributes supported? If so, list supported attributes #1-3.	[R2]/D.7.2.2.3.3	PPCS1:O	NA
PPCS45	Are the DebtRecoveryStartTime attributes supported? If so, list supported attributes #1-3.	[R2]/D.7.2.2.3.4	PPCS1:O	NA
PPCS46	Are the DebtRecoveryCollectionTime attributes supported? If so, list supported attributes #1-3.	[R2]/D.7.2.2.3.5	PPCS1:O	NA
PPCS47	Are the DebtRecoveryFrequency attributes supported? If so, list supported attributes #1-3.	[R2]/D.7.2.2.3.6	PPCS1:O	NA
PPCS48	Are the DebtRecoveryAmount attributes supported? If so, list supported attributes #1-3.	[R2]/D.7.2.2.3.7	PPCS1:O	NA
PPCS49	Are the DebtRecoveryTopUpPercentage attributes supported? If so, list supported attributes #1-3.	[R2]/D.7.2.2.3.8	PPCS1:O	NA
PPCS50	Is the PrepaymentAlarmStatus attribute supported?	[R2]/D.7.2.2.5.1	PPCS1:O	NA
PPCS51	Is the PrepayGenericAlarmMask attribute supported?	[R2]/D.7.2.2.5.2	PPCS1:O	NA
PPCS52	Is the PrepaySwitchAlarmMask attribute supported?	[R2]/D.7.2.2.5.2	PPCS1:O	NA

Item number	Item description	Reference	Status	Support
PPCS53	Is the PrepayEventAlarmMask attribute supported?	[R2]/D.7.2.2.5.2	PPCS1:O	NA
PPCS54	Is the HistoricalCostConsumption Formatting attribute supported?	[R2]/D.7.2.2.6.1	PPCS1:O	NA
PPCS55	Is the ConsumptionUnitofMeasurement attribute supported?	[R2]/D.7.2.2.6.2	PPCS1:O	NA
PPCS56	Is the CurrencyScalingFactor attribute supported?	[R2]/D.7.2.2.6.3	PPCS1:O	NA
PPCS57	Is the Currency attribute supported?	[R2]/D.7.2.2.6.4	PPCS1:O	NA
PPCS58	Is the CurrentDayCostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.5	PPCS1:O	NA
PPCS59	Is the CurrentDayCostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.6	PPCS1:O	NA
PPCS60	Is the PreviousDayCostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.7	PPCS1:O	NA
PPCS61	Is the PreviousDayCostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.8	PPCS1:O	NA
PPCS62	Is the PreviousDay2CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.7	PPCS1:O	NA
PPCS63	Is the PreviousDay2CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.8	PPCS1:O	NA
PPCS64	Is the PreviousDay3CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.7	PPCS1:O	NA
PPCS65	Is the PreviousDay3CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.8	PPCS1:O	NA
PPCS66	Is the PreviousDay4CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.7	PPCS1:O	NA
PPCS67	Is the PreviousDay4CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.8	PPCS1:O	NA
PPCS68	Is the PreviousDay5CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.7	PPCS1:O	NA

Item number	Item description	Reference	Status	Support
PPCS69	Is the PreviousDay5CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.8	PPCS1:O	NA
PPCS70	Is the PreviousDay6CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.7	PPCS1:O	NA
PPCS71	Is the PreviousDay6CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.8	PPCS1:O	NA
PPCS72	Is the PreviousDay7CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.7	PPCS1:O	NA
PPCS73	Is the PreviousDay7CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.8	PPCS1:O	NA
PPCS74	Is the PreviousDay8CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.7	PPCS1:O	NA
PPCS75	Is the PreviousDay8CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.8	PPCS1:O	NA
PPCS76	Is the CurrentWeekCostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.9	PPCS1:O	NA
PPCS77	Is the CurrentWeekCostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.10	PPCS1:O	NA
PPCS78	Is the PreviousWeekCostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.11	PPCS1:O	NA
PPCS79	Is the PreviousWeekCostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.12	PPCS1:O	NA
PPCS80	Is the PreviousWeek2CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.11	PPCS1:O	NA
PPCS81	Is the PreviousWeek2CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.12	PPCS1:O	NA
PPCS82	Is the PreviousWeek3CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.11	PPCS1:O	NA
PPCS83	Is the PreviousWeek3CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.12	PPCS1:O	NA

Item number	Item description	Reference	Status	Support
PPCS84	Is the PreviousWeek4CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.11	PPCS1:O	NA
PPCS85	Is the PreviousWeek4CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.12	PPCS1:O	NA
PPCS86	Is the PreviousWeek5CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.11	PPCS1:O	NA
PPCS87	Is the PreviousWeek5CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.12	PPCS1:O	NA
PPCS88	Is the CurrentMonthCostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.13	PPCS1:O	NA
PPCS89	Is the CurrentMonthCostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.14	PPCS1:O	NA
PPCS90	Is the PreviousMonthCostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.15	PPCS1:O	NA
PPCS91	Is the PreviousMonthCostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.16	PPCS1:O	NA
PPCS92	Is the PreviousMonth2CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.15	PPCS1:O	NA
PPCS93	Is the PreviousMonth2CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.16	PPCS1:O	NA
PPCS94	Is the PreviousMonth3CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.15	PPCS1:O	NA
PPCS95	Is the PreviousMonth3CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.16	PPCS1:O	NA
PPCS96	Is the PreviousMonth4CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.15	PPCS1:O	NA
PPCS97	Is the PreviousMonth4CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.16	PPCS1:O	NA
PPCS98	Is the PreviousMonth5CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.15	PPCS1:O	NA

Item number	Item description	Reference	Status	Support
PPCS99	Is the PreviousMonth5CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.16	PPCS1:O	NA
PPCS100	Is the PreviousMonth6CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.15	PPCS1:O	NA
PPCS101	Is the PreviousMonth6CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.16	PPCS1:O	NA
PPCS102	Is the PreviousMonth7CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.15	PPCS1:O	NA
PPCS103	Is the PreviousMonth7CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.16	PPCS1:O	NA
PPCS104	Is the PreviousMonth8CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.15	PPCS1:O	NA
PPCS105	Is the PreviousMonth8CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.16	PPCS1:O	NA
PPCS106	Is the PreviousMonth9CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.15	PPCS1:O	NA
PPCS107	Is the PreviousMonth9CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.16	PPCS1:O	NA
PPCS108	Is the PreviousMonth10CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.15	PPCS1:O	NA
PPCS109	Is the PreviousMonth10CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.16	PPCS1:O	NA
PPCS110	Is the PreviousMonth11CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.15	PPCS1:O	NA
PPCS111	Is the PreviousMonth11CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.16	PPCS1:O	NA
PPCS112	Is the PreviousMonth12CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.15	PPCS1:O	NA
PPCS113	Is the PreviousMonth12CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.16	PPCS1:O	NA

Item number	Item description	Reference	Status	Support
PPCS114	Is the PreviousMonth13CostConsumptionDelivered attribute supported?	[R2]/D.7.2.2.6.15	PPCS1:O	NA
PPCS115	Is the PreviousMonth13CostConsumptionReceived attribute supported?	[R2]/D.7.2.2.6.16	PPCS1:O	NA
PPCS116	Is the HistoricalFreezeTime attribute supported?	[R2]/D.7.2.2.6.17	PPCS1:O	NA
PPCS117	Is the reception of Change Debt command supported?	[R2]/D.7.2.3.3	PPCS1:O	NA
PPCS118	Is the reception of Emergency Credit Setup command supported?	[R2]/D.7.2.3.4	PPCS1:O	NA
PPCS119	Is the reception of Consumer Top Up command supported?	[R2]/D.7.2.3.5	PPCS1:O	NA
PPCS120	Is the reception of CreditAdjustment command supported?	[R2]/D.7.2.3.6	PPCS1:O	NA
PPCS121	Is the reception of Change Payment Mode command supported?	[R2]/D.7.2.3.7	PPCS1:O	NA
PPCS122	Is the reception of Get Prepay Snapshot command supported?	[R2]/D.7.2.3.8	PPCS1:O	NA
PPCS123	Is the reception of Get Top Up Log command supported?	[R2]/D.7.2.3.9	PPCS1:O	NA
PPCS124	Is the reception of Set Low Credit Warning Level command supported?	[R2]/D.7.2.3.10	PPCS1:O	NA
PPCS125	Is the reception of Get Debt Repayment Log command supported?	[R2]/D.7.2.3.11	PPCS1:O	NA
PPCS126	Is the reception of Set Maximum Credit Limit command supported?	[R2]/D.7.2.3.12	PPCS1:O	NA
PPCS127	Is the reception of Set Overall Debt Cap command supported?	[R2]/D.7.2.3.13	PPCS1:O	NA
PPCS128	Is the generation of Publish Prepay Snapshot command supported?	[R2]/D.7.2.4.2	PPCS1:O	NA
PPCS129	Is the generation of Change Payment Mode Response command supported?	[R2]/D.7.2.4.3	PPCS1:O	NA

Item number	Item description	Reference	Status	Support
PPCS130	Is the generation of Consumer Top Up Response command supported?	[R2]/D.7.2.4.4	PPCS1:O	NA
PPCS131	Is the generation of Publish Top Up Log command supported?	[R2]/D.7.2.4.5	PPCS1:O	NA
PPCS132	Is the generation of Publish Debt Log command supported?	[R2]/D.7.2.4.6	PPCS1:O	NA

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445 **Table 44 – Prepayment cluster client capabilities**

Item number	Item description	Reference	Status	Support
PPCC1	Is the Prepayment Cluster supported as a client?	[R2]/D.7	O	Y [Int: EP# 1]
PPCC2	Is the generation of Select Available Emergency Credit command supported?	[R2]/D.7.3.4 /D.7.2.3.1	PPCC1:O	Y [Int: EP# 1]
PPCC3	RESERVED			NA
PPCC4	RESERVED			NA
PPCC5	Is the generation of Change Debt command supported?	[R2]/D.7.3.4 /D.7.2.3.3	PPCC1:O	N
PPCC6	Is the generation of Emergency Credit Setup command supported?	[R2]/D.7.3.4 /D.7.2.3.4	PPCC1:O	N
PPCC7	Is the generation of Consumer Top Up command supported?	[R2]/D.7.3.4 /D.7.2.3.5	PPCC1:O	Y [Int: EP# 1]
PPCC8	Is the generation of CreditAdjustment command supported?	[R2]/D.7.3.4 /D.7.2.3.6	PPCC1:O	N
PPCC9	Is the generation of Change Payment Mode command supported?	[R2]/D.7.3.4 /D.7.2.3.7	PPCC1:O	N
PPCC10	Is the generation of Get Prepay Snapshot command supported?	[R2]/D.7.3.4 /D.7.2.3.8	PPCC1:O	N

Item number	Item description	Reference	Status	Support
PPCC11	Is the generation of Get Top Up Log command supported?	[R2]/D.7.3.4 /D.7.2.3.9	PPCC1:O	Y [Int: EP# 1]
PPCC12	Is the generation of Set Low Credit Warning Level command supported?	[R2]/D.7.3.4 /D.7.2.3.10	PPCC1:O	N
PPCC13	Is the generation of Get Debt Repayment Log Level command supported?	[R2]/D.7.3.4 /D.7.2.3.11	PPCC1:O	Y [Int: EP# 1]
PPCC14	Is the generation of Set Maximum Credit Limit Level command supported?	[R2]/D.7.3.4 /D.7.2.3.12	PPCC1:O	N
PPCC15	Is the generation of Set Overall Debt Cap Level command supported?	[R2]/D.7.3.4 /D.7.2.3.13	PPCC1:O	N
PPCC16	Is the reception of Publish Prepay Snapshot command supported?	[R2]/D.7.3.3 /D.7.2.4.2	PPCC1:O	N
PPCC17	Is the reception of Change Payment Mode Response command supported?	[R2]/D.7.3.3 /D.7.2.4.3	PPCC1:O	N
PPCC18	Is the reception of Consumer Top Up Response command supported?	[R2]/D.7.3.3 /D.7.2.4.4	PPCC1:O	Y [Int: EP# 1]
PPCC20	Is the reception of Publish Top Up Log command supported?	[R2]/D.7.3.3 /D.7.2.4.5	PPCC1:O	Y [Int: EP# 1]
PPCC21	Is the reception of Publish Debt Log command supported?	[R2]/D.7.3.3 /D.7.2.4.6	PPCC1:O	Y [Int: EP# 1]

8.8.14 Trust Center Swap-out

Table 45 – Trust Center Swap-out capabilities

Item number	Item description	Reference	Status	Support
TCSW1a	Is the device a Trust Center supporting Trust Center Swap-out?	[R2] 5.4.2.2.3 / 5.4.2.2.3.2 / 5.4.2.2.3.5	O	NA

Item number	Item description	Reference	Status	Support
TCSW1b	Is the Device a Router supporting Trust Center Swap-out?	[R2] 5.4.2.2.3 / 5.4.2.2.3.1 / 5.4.2.2.3.4 / 5.4.2.2.3.5	O	NA
TCSW1c	Is the Device an End Device supporting Trust Center Swap-out?	[R2] 5.4.2.2.3 / 5.4.2.2.3.4 / 5.4.2.2.3.5	O	NA
TCSW3	Is the backup of the Extended PAN ID to an off-chip device supported?	[R2] 5.4.2.2.3.2 / 5.4.2.2.3.5	TCSW1a:M	NA
TCSW4	Is the backup of the registered device EUI-64 to an off-chip device supported?	[R2] 5.4.2.2.3.2 / 5.4.2.2.3.5	TCSW1a:M	NA
TCSW5	Is the backup of the registered device Install Code to an off-chip device supported?	[R2] 5.4.2.2.3.2 / 5.4.2.2.3.5	TCSW1a:O	NA
TCSW6	Is the backup of the registered device hashed CBKE derived link key to an off-chip device supported?	[R2] 5.4.2.2.3.2 / 5.4.2.2.3.5	TCSW1a:M	NA
TCSW7	Is the restore of the Extended PAN ID from an off-chip device supported?	[R2] 5.4.2.2.3.5	TCSW1a:M	NA
TCSW8	Is the restore of the registered device EUI-64 from an off-chip device supported?	[R2] 5.4.2.2.3.5	TCSW1a:M	NA
TCSW9	Is the restore of the registered device Install Code from an off-chip device supported?	[R2] 5.4.2.2.3.5	TCSW1a:O	NA
TCSW10	Is the restore of the registered device hashed CBKE derived link key from an off-chip device supported?	[R2] 5.4.2.2.3.5	TCSW1a:M	NA
TCSW11	Is the discovery of the new Trust Center based on the Extended PAN ID supported?	[R2] 5.4.2.2.3.5	TCSW1a:M TCSW1b:M TCSW1c:M	NA
TCSW12	Is the rejoin using a hash of the CBKE derived link key supported?	[R2] 5.4.2.2.3.5	TCSW1a:M TCSW1b:M TCSW1c:M	NA

Item number	Item description	Reference	Status	Support
TCSW13	Is the Recommission of device supported?		FDT1:O FDT2:O FDT3:O FDT3:O FDT4:O FDT5:O FDT6:O FDT7:O FDT8:O FDT9:O FDT10:O	NA
TCSW15	Does the device check the continued presence of a Trust Center using the Keep-Alive cluster?	[R2] 5.4.2.2.3.4	TCSW1b:M TCSW1c:O	NA
TCSW16	Does the device comply with the timing values specified in the Keep-Alive cluster attributes when checking for the continued presence of a Trust Center using the Keep-Alive cluster?	[R2] 5.4.2.2.3.4	TCSW1b:M TCSW1c:O	NA

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450 8.8.15 **Multiple ESI**

451 **Table 46 – Multiple ESI Client capabilities**

Item number	Item description	Reference	Status	Support
MESC1	Is Multiple ESI supported?	[R2]/5.7	O	N
MESC2	Is the discovery of all ESIs in a HAN supported?		MESC1:M	NA
MESC3	Is the generation of bindings on discovered ESIs supported?		MESC1:M	NA
MESC4	Is determination of the authoritative ESI supported?		MESC1:M	NA
MESC5	Is processing of events from multiple ESIs supported?		MESC1:M	NA
MESC6	Is resolution of conflicting events received from multiple ESIs supported?		MESC1:M	NA

Item number	Item description	Reference	Status	Support
MESC7	Is the notification message for an event sent to at least one ESI that sent the event?		MESC1:M	NA
MESC8	Is the event processing based on the authoritative time?		MESC1:M	NA

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Table 47 – Multiple ESI Server capabilities

Item number	Item description	Reference	Status	Support
MESS1	Is Multiple ESI supported?	[R2]/5.7	O	N
MESS2	Is the *TimeStatus* attribute supported?		MESS1:M	NA
DELETED				~~NA~~
MESS4	Is the *ValidUntilTime* attribute supported?		MESS1:O[25]	NA

454

455 8.8.16 OTA Upgrade Cluster attributes and functions

456

Table 48 – OTA Upgrade cluster server capabilities

Item number	Item description	Reference	Status	Support
OTAS1	Is the OTA Upgrade Cluster supported as a server?	[R9]	O	N

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Table 49 – OTA Upgrade cluster client capabilities

Item number	Item description	Reference	Status	Support
OTAC1	Is the OTA Upgrade Cluster supported as a client?	[R9]	O	N

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460 If supporting OTA upgrade cluster client or server, need to complete OTA Upgrade Cluster PICS
461 document in addition to this document for certification.
462

[25] CCB 2306

8.8.17 Calendar Cluster attributes and functions

Table 50 – Calendar cluster server capabilities

Item number	Item description	Reference	Status	Support
CALCS1	Is the Calendar Cluster supported as a server?	[R2]/D.9	O	N
CALCS2	Is the AuxSwitch1Label attribute supported?	[R2]/D.9.2.2.1.1	CALCS1:O	NA
CALCS3	Is the AuxSwitch2Label attribute supported?	[R2]/D.9.2.2.1.1	CALCS1:O	NA
CALCS4	Is the AuxSwitch3Label attribute supported?	[R2]/D.9.2.2.1.1	CALCS1:O	NA
CALCS5	Is the AuxSwitch4Label attribute supported?	[R2]/D.9.2.2.1.1	CALCS1:O	NA
CALCS6	Is the AuxSwitch5Label attribute supported?	[R2]/D.9.2.2.1.1	CALCS1:O	NA
CALCS7	Is the AuxSwitch6Label attribute supported?	[R2]/D.9.2.2.1.1	CALCS1:O	NA
CALCS8	Is the AuxSwitch7Label attribute supported?	[R2]/D.9.2.2.1.1	CALCS1:O	NA
CALCS9	Is the AuxSwitch8Label attribute supported?	[R2]/D.9.2.2.1.1	CALCS1:O	NA
CALCS10	Is the generation of PublishCalendar command supported?	[R2]/D.9.2.3.1	CALCS1:O	NA
CALCS10a	Maximum number of calendars that can be stored by device?	[R2]/D.9.1		NA
CALCS11	Is the generation of PublishDayProfile command supported?	[R2]/D.9.2.3.2	CALCS1:M	NA
CALCS11a	Can the device support application-layer fragmentation (‘Command Indexing’) of PublishDayProfile commands? NOTE: It is anticipated that at least 14 Schedule Entries would need to	[R2]/D.9.2.3.2		NA

Item number	Item description	Reference	Status	Support
	be included before a second sub-command would be needed)			
CALCS11b	Maximum number of Day Profiles that can be stored by device?	[R2]/D.9.2.3.2		NA
CALCS11c	Maximum number of Schedule Entries that can be stored in each Day Profile?	[R2]/D.9.2.3.2		NA
CALCS12	Is the generation of PublishWeekProfile command supported?	[R2]/D.9.2.3.3	CALCS1:M	NA
CALCS12a	Maximum number of Week Profiles that can be stored by device?	[R2]/D.9.2.3.3		NA
CALCS13	Is the generation of PublishSeasons command supported?	[R2]/D.9.2.3.4	CALCS1:M	NA
CALCS13a	Can the device support application-layer fragmentation ('Command Indexing') of Publish Seasons commands? NOTE: It is anticipated that at least 9 Season Entries would need to be included before a second sub-command would be needed)	[R2]/D.9.2.3.4		NA
CALCS13b	Maximum number of Season Entries that can be stored?	[R2]/D.9.2.3.4		NA
CALCS14	Is the generation of PublishSpecialDays command supported?	[R2]/D.9.2.3.5	CALCS1:M	NA
CALCS14a	Maximum number of Special Day Entries that can be stored?	[R2]/D.9.2.3.5		NA
CALCS15	Is the generation of CancelCalendar command supported?	[R2]/D.9.2.3.6	CALCS1:O	NA
CALCS16	Is the reception of GetCalendar command supported?	[R2]/D.9.2.4.1	CALCS1:O	NA

Item number	Item description	Reference	Status	Support
CALCS17	Is the reception of GetDayProfiles command supported?	[R2]/D.9.2.4.2	CALCS1:O	NA
CALCS18	Is the reception of GetWeekProfiles command supported?	[R2]/D.9.2.4.3	CALCS1:O	NA
CALCS19	Is the reception of GetSeasons command supported?	[R2]/D.9.2.4.4	CALCS1:O	NA
CALCS20	Is the reception of GetSpecialDays command supported?	[R2]/D.9.2.4.5	CALCS1:O	NA
CALCS21	Is the reception of GetCalendarCancellation command supported?	[R2]/D.9.2.4.6	CALCS1:O	NA

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466 **Table 51 – Calendar cluster client capabilities**

Item number	Item description	Reference	Status	Support
CALCC1	Is the Calendar Cluster supported as a client?	[R2]/D.9	O	Y [Int: EP# 1]
CALCC2	Is the reception of PublishCalendar command supported?	[R2]/D.9.3.3 /D.9.2.3.1	CALCC1:M	Y [Int: EP# 1]
CALCC2a	Maximum number of calendars that can be stored by device?	[R2]/D.9.1		3
CALCC3	Is the reception of PublishDayProfile command supported?	[R2]/D.9.3.3 /D.9.2.3.2	CALCC1:M	Y [Int: EP# 1]
CALCC3a	Can the device support application-layer fragmentation (‘Command Indexing’) of PublishDayProfile commands? NOTE: It is anticipated that at least 14 Schedule Entries would need to be included before a second sub-command would be needed)	[R2]/D.9.2.3.2		Y
CALCC3b	Maximum number of Day Profiles that canbe stored by device?	[R2]/D.9.2.3.2		24

Item number	Item description	Reference	Status	Support
CALCC3c	Maximum number of Schedule Entries that can be stored in each Day Profile?	[R2]/D.9.2.3.2		48
CALCC4	Is the reception of PublishWeekProfile command supported?	[R2]/D.9.3.3 /D.9.2.3.3	CALCC1:M	Y [Int: EP# 1]
CALCC4a	Maximum number of Week Profiles that can be stored by device?	[R2]/D.9.2.3.3		8
CALCC5	Is the reception of PublishSeasons command supported?	[R2]/D.9.3.3 /D.9.2.3.4	CALCC1:M	Y [Int: EP# 1]
CALCC5a	Can the device support application-layer fragmentation ('Command Indexing') of Publish Seasons commands? NOTE: It is anticipated that at least 9 Season Entries would need to be included before a second sub-command would be needed)	[R2]/D.9.2.3.4		Y
CALCC5b	Maximum number of Season Entries that can be stored?	[R2]/D.9.2.3.4		8
CALCC6	Is the reception of PublishSpecialDays command supported?	[R2]/D.9.3.3 /D.9.2.3.5	CALCC1:M	Y [Int: EP# 1]
CALCC6a	Maximum number of Special Day Entries that can be stored?	[R2]/D.9.2.3.5		75
CALCC7	Is the reception of CancelCalendar command supported?	[R2]/D.9.3.3 /D.9.2.3.6	CALCC1:O	Y [Int: EP# 1]
CALCC8	Is the generation of GetCalendar command supported?	[R2]/D.9.3.4 /D.9.2.4.1	CALCC1:O	Y [Int: EP# 1]
CALCC9	Is the generation of GetDayProfiles command supported?	[R2]/D.9.3.4 /D.9.2.4.2	CALCC1:O	Y [Int: EP# 1]

Item number	Item description	Reference	Status	Support
CALCC10	Is the generation of GetWeekProfiles command supported?	[R2]/D.9.3.4 /D.9.2.4.3	CALCC1:O	Y [Int: EP# 1]
CALCC11	Is the generation of GetSeasons command supported?	[R2]/D.9.3.4 /D.9.2.4.4	CALCC1:O	Y [Int: EP# 1]
CALCC12	Is the generation of GetSpecialDays command supported?	[R2]/D.9.3.4 /D.9.2.4.5	CALCC1:O	Y [Int: EP# 1]
CALCC13	Is the generation of GetCalendarCancellation command supported?	[R2]/D.9.3.4 /D.9.2.4.6	CALCC1:O	Y [Int: EP# 1]

8.8.18 Device Management Cluster attributes and functions

Table 52 – Device Management cluster server capabilities

Item number	Item description	Reference	Status	Support
DMCS1	Is the Device Management Cluster supported as a server?	[R2]/D.10	O	N
DMCS2	Is the ProviderID attribute supported?	[R2]/D.10.2.2.1.1	DMCS1:O	NA
DMCS3	Is the ProviderName attribute supported?	[R2]/D.10.2.2.1.2	DMCS1:O	NA
DMCS4	Is the ProviderContactDetails attribute supported?	[R2]/D.10.2.2.1.3	DMCS1:O	NA
DMCS5	Is the ProposedProviderID attribute supported?	[R2]/D.10.2.2.1.4	DMCS1:O	NA
DMCS6	Is the ProposedProviderName attribute supported?	[R2]/D.10.2.2.1.5	DMCS1:O	NA
DMCS7	Is the ProposedProviderChangeDate/Time attribute supported?	[R2]/D.10.2.2.1.6	DMCS1:O	NA
DMCS8	Is the ProposedProviderChangeControl attribute supported?	[R2]/D.10.2.2.1.7	DMCS1:O	NA
DMCS9	Is the Proposed Provider Contact Details attribute supported?	[R2]/D.10.2.2.1.8	DMCS1:O	NA

Item number	Item description	Reference	Status	Support
DMCS10	Is the ReceivedProviderID attribute supported?	[R2]/D.10.2.2.1.9	DMCS1:O	NA
DMCS11	Is the ReceivedProviderName attribute supported?	[R2]/D.10.2.2.1.10	DMCS1:O	NA
DMCS12	Is the ReceivedProviderContactDetails attribute supported?	[R2]/D.10.2.2.1.11	DMCS1:O	NA
DMCS13	Is the ReceivedProposedProviderID attribute supported?	[R2]/D.10.2.2.1.12	DMCS1:O	NA
DMCS14	Is the ReceivedProposedProviderName attribute supported?	[R2]/D.10.2.2.1.13	DMCS1:O	NA
DMCS15	Is the ReceivedProposedProviderChangeDate/Time attribute supported?	[R2]/D.10.2.2.1.14	DMCS1:O	NA
DMCS16	Is the ReceivedProposedProviderChangeControl attribute supported?	[R2]/D.10.2.2.1.15	DMCS1:O	NA
DMCS17	Is the ReceivedProposed Provider ContactDetails attribute supported?	[R2]/D.10.2.2.1.16	DMCS1:O	NA
DMCS18	Is the ChangeofTenancyUpdateDate/Time attribute supported?	[R2]/D.10.2.2.2.1	DMCS1:O	NA
DMCS19	Is the ProposedTenancyChangeControl attribute supported?	[R2]/D.10.2.2.2.2	DMCS1:O	NA
DMCS20	Is the WAN Status attribute supported?	[R2]/D.10.2.2.3.1	DMCS1:O	NA
DMCS21	Is the LowMediumThreshold attribute supported?	[R2]/D.10.2.2.4.1	DMCS1:O	NA
DMCS22	Is the MediumHighThreshold attribute supported?	[R2]/D.10.2.2.4.2	DMCS1:O	NA
DMCS23	Is the reception of Get Change of Tenancy command supported?	[R2]/D.10.2.3.1	DMCS1:O	NA
DMCS24	Is the reception of Get Change of Supplier command supported?	[R2]/D.10.2.3.2	DMCS1:O	NA

Item number	Item description	Reference	Status	Support
DMCS25	Is the reception of RequestNewPassword command supported?	[R2]/D.10.2.3.3	DMCS1:O	NA
DMCS24	Is the reception of GetSiteID command supported?	[R2]/D.10.2.3.4	DMCS1:O	NA
DMCS25	Is the reception of Report Event Configuration command supported?	[R2]/D.10.2.3.5	DMCS1:O	NA
DMCS26	Is the reception of GetCIN command supported?	[R2]/D.10.2.3.6	DMCS1:O	NA
DMCS27	Is the generation of Publish Change of Tenancy command supported?	[R2]/D.10.2.4.1	DMCS1:O	NA
DMCS28	Is the generation of Publish Change of Supplier command supported?	[R2]/D.10.2.4.2	DMCS1:O	NA
DMCS29	Is the generation of Request New Password Response command supported?	[R2]/D.10.2.4.3	DMCS1:O	NA
DMC30	Is the generation of UpdateSiteID command supported?	[R2]/D.10.2.4.4	DMCS1:O	NA
DMCS31	Is the generation of SetEventConfiguration command supported?	[R2]/D.10.2.4.5	DMCS1:O	NA
DMCS32	Is the generation of GetEventConfiguration command supported?	[R2]/D.10.2.4.6	DMCS1:O	NA
DMC33	Is the generation of Update CIN command supported?	[R2]/D.10.2.4.7	DMCS1:O	NA

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471 **Table 53 – Device Management cluster client capabilities**

Item number	Item description	Reference	Status	Support
DMCC1	Is the Device Management Cluster supported as a client?	[R2]/D.10	O	Y [Int: EP# 1]
DMCC2	Is the Provider ID attribute supported?	[R2]/D.10.3.2.1.1	DMCC1:O[26]	N

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Item number	Item description	Reference	Status	Support
DMCC3	Is the ReceivedProviderID attribute supported?	[R2]/D.10.3.2.1.2	DMCC1:O[27]	N
DMCC4	Is the Price Event Configuration attribute set supported?	[R2]/D.10.3.2.2	DMCC1:O[28]	N
DMCC5	Is the Metering Event Configuration attribute set supported?	[R2]/D.10.3.2.3	DMCC1:O[29]	N
DMCC6	Is the Messaging Event Configuration attribute set supported?	[R2]/D.10.3.2.4	DMCC1:O[30]	N
DMCC7	Is the Prepayment Event Configuration attribute set supported?	[R2]/D.10.3.2.5	DMCC1:O[31]	N
DMCC8	Is the Calendar Event Configuration attribute set supported?	[R2]/D.10.3.2.6	DMCC1:O[32]	N
DMCC9	Is the Device Management Event Confguration attribute set supported?	[R2]/D.10.3.2.7	DMCC1:O[33]	N
DMCC10	Is the Tunnel Event Configuration attribute set supported?	[R2]/D.10.3.2.8	DMCC1:O[34]	NA
DMCC11	Is the OTA Event Configuration attribute set supported?	[R2]/D.10.3.2.9	DMCC1:O[35]	NA
DMCC12	Is the reception of Publish Change of Tenancy command supported?	[R2]/D.10.3.3 /D.10.2.4.1	DMCC1:O[36]	Y [Int: EP# 1]
DMCC13	Is the reception of Publish Change of Supplier command supported?	[R2]/D.10.3.3 /D.10.2.4.2	DMCC1:O[37]	Y [Int: EP# 1]

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[28] CCB 2185
[29] CCB 2185
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[33] CCB 2185
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[37] CCB 2185

Item number	Item description	Reference	Status	Support
DMCC14	Is the reception of Request New Password Response command supported?	[R2]/D.10.3.3 /D.10.2.4.3	DMCC1:O[38]	N
DMCC15	Is the reception of UpdateSiteID command supported?	[R2]/D.10.3.3 /D.10.2.4.4	DMCC1:O[39]	N
DMCC16	Is the reception of SetEventConfiguration command supported?	[R2]/D.10.3.3 /D.10.2.4.5	DMCC1:O[40]	N
DMCC17	Is the reception of GetEventConfiguration command supported?	[R2]/D.10.3.3 /D.10.2.4.6	DMCC1:O[41]	N
DMCC18	Is the reception of Update CIN command supported?	[R2]/D.10.3.3 /D.10.2.4.7	DMCC1:O[42]	N
DMCC19	Is the generation of Get Change of Tenancy command supported?	[R2]/D.10.3.4 /D.10.2.3.1	DMCC1:O[43]	Y [Int: EP# 1]
DMCC20	Is the generation of Get Change of Supplier command supported?	[R2]/D.10.3.4 /D.10.2.3.2	DMCC1:O[44]	Y [Int: EP# 1]
DMCC21	Is the generation of RequestNewPassword command supported?	[R2]/D.10.3.4 /D.10.2.3.3	DMCC1:O[45]	N
DMCC22	Is the generation of GetSiteID command supported?	[R2]/D.10.3.4 /D.10.2.3.4	DMCC1:O[46]	N
DMCC23	Is the generation of Report Event Configuration command supported?	[R2]/D.10.3.4 /D.10.2.3.5	DMCC1:O[47]	N
DMCC24	Is the generation of GetCIN command supported?	[R2]/D.10.3.4 /D.10.2.3.6	DMCC1:O[48]	N

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[40] CCB 2185
[41] CCB 2185
[42] CCB 2185
[43] CCB 2185
[44] CCB 2185
[45] CCB 2185
[46] CCB 2185
[47] CCB 2185
[48] CCB 2185

8.8.19 Events Cluster attributes and functions

Table 54 – Events cluster server capabilities

Item number	Item description	Reference	Status	Support
EVCS1	Is the Events Cluster supported as a server?	[R2]/D.11	O	N
EVCS2	Is the reception of GetEventLog command supported?	[R2]/D.11.2.3.1	EVCS1:O	NA
EVCS3	Is the reception of ClearEventLogRequest command supported?	[R2]/D.11.2.3.2	EVCS1:O	NA
EVCS4	Is the generation of PublishEvent command supported?	[R2]/D.11.2.4.1	EVCS1:O	NA
EVCS5	Is the generation of PublishEventLog command supported?	[R2]/D.11.2.4.2	EVCS1:O	NA
EVCS6	Is the generation of ClearEventLogResponse command supported?	[R2]/D.11.2.4.3	EVCS1:O	NA

Table 55 – Events cluster client capabilities

Item number	Item description	Reference	Status	Support
EVCC1	Is the Events Cluster supported as a client?	[R2]/D.11	O	NA
EVCC2	Is the reception of PublishEvent command supported?	[R2]/D.11.3.3 /D.11.2.4.1	EVCC1:O[49]	NA
EVCC3	Is the reception of PublishEventLog command supported?	[R2]/D.11.3.3 /D.11.2.4.2	EVCC1:O[50]	NA
EVCC4	Is the reception of ClearEventLogResponse command supported?	[R2]/D.11.3.3 /D.11.2.4.3	EVCC1:O[51]	NA
EVCC5	Is the generation of GetEventLog command supported?	[R2]/D.11.3.4 /D.11.2.3.1	EVCC1:O[52]	NA

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[50] CCB 2185
[51] CCB 2185
[52] CCB 2185

Item number	Item description	Reference	Status	Support
EVCC6	Is the generation of ClearEventLogRequest command supported?	[R2]/D.11.3.4 /D.11.2.3.2	EVCC1:O[53]	NA

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478 8.8.20 **Energy Management Cluster attributes and functions**

479 **Table 56 – Energy Management cluster server capabilities**

Item number	Item description	Reference	Status	Support
EMCS1	Is the Energy Management Cluster supported as a server?	[R2]/D.12	O	N
EMCS2	Is the LoadControlState attribute supported?	[R2]/D.12.2.2.1	EMCS1:M	NA
EMCS3	Is the CurrentEventID attribute supported?	[R2]/D.12.2.2.2	EMCS1:M	NA
EMCS4	Is the CurrentEventStatus attribute supported?	[R2]/D.12.2.2.3	EMCS1:M	NA
EMCS5	Is the ConformanceLevel attribute supported?	[R2]/D.12.2.2.4	EMCS1:M	NA
EMCS6	Is the MinimumOffTime attribute supported?	[R2]/D.12.2.2.5	EMCS1:M	NA
EMCS7	Is the MinimumOnTime attribute supported?	[R2]/D.12.2.2.5	EMCS1:M	NA
EMCS8	Is the MinimumCyclePeriod attribute supported?	[R2]/D.12.2.2.5	EMCS1:M	NA
EMCS9	Is the reception of ManageEvent command supported?	[R2]/D.12.2.4.1	EMCS1:M	NA
EMCS10	Is the generation of ReportEventStatus command supported?	[R2]/D.12.2.5.1	EMCS1:M	NA

[53] CCB 2185

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481 **Table 57 – Energy Management cluster client capabilities**

Item number	Item description	Reference	Status	Support
EMCC1	Is the Energy Management Cluster supported as a client?	[R2]/D.12	O	N
EMCC2	Is the reception of ReportEventStatus command supported?	[R2]/D.12.3.3 /D.12.2.5.1	EMCC1:M	NA
EMCC3	Is the generation of ManageEvent command supported?	[R2]/D.12.3.4 /D.12.2.4.1	EMCC1:M	NA

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483 ### 8.8.21 MDU Pairing Cluster attributes and functions

484 **Table 58 – MDU Pairing cluster server capabilities**

Item number	Item description	Reference	Status	Support
MDUCS1	Is the MDU Pairing Cluster supported as a server?	[R2]/D.13	O	N
MDUCS2	Is the generation of Pairing Response command supported?	[R2]/D.13.2.3.1	MDUCS1:O	NA
MDUCS3	Is the reception of Pairing Request command supported?	[R2]/D.13.3.3.1	MDUCS1:M	NA

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486 **Table 59 – MDU Pairing cluster client capabilities**

Item number	Item description	Reference	Status	Support
MDUCC1	Is the MDU Pairing Cluster supported as a client?	[R2]/D.13	O	N
MDUCC2	Is the reception of Pairing Response command supported?	[R2]/D.13.2.3.1	MDUCC1:O	NA
MDUCC3	Is the generation of Pairing Request command supported?	[R2]/D.13.3.3.1	MDUCC1:M	NA

487

8.8.22 Sub-GHz Cluster attributes and functions

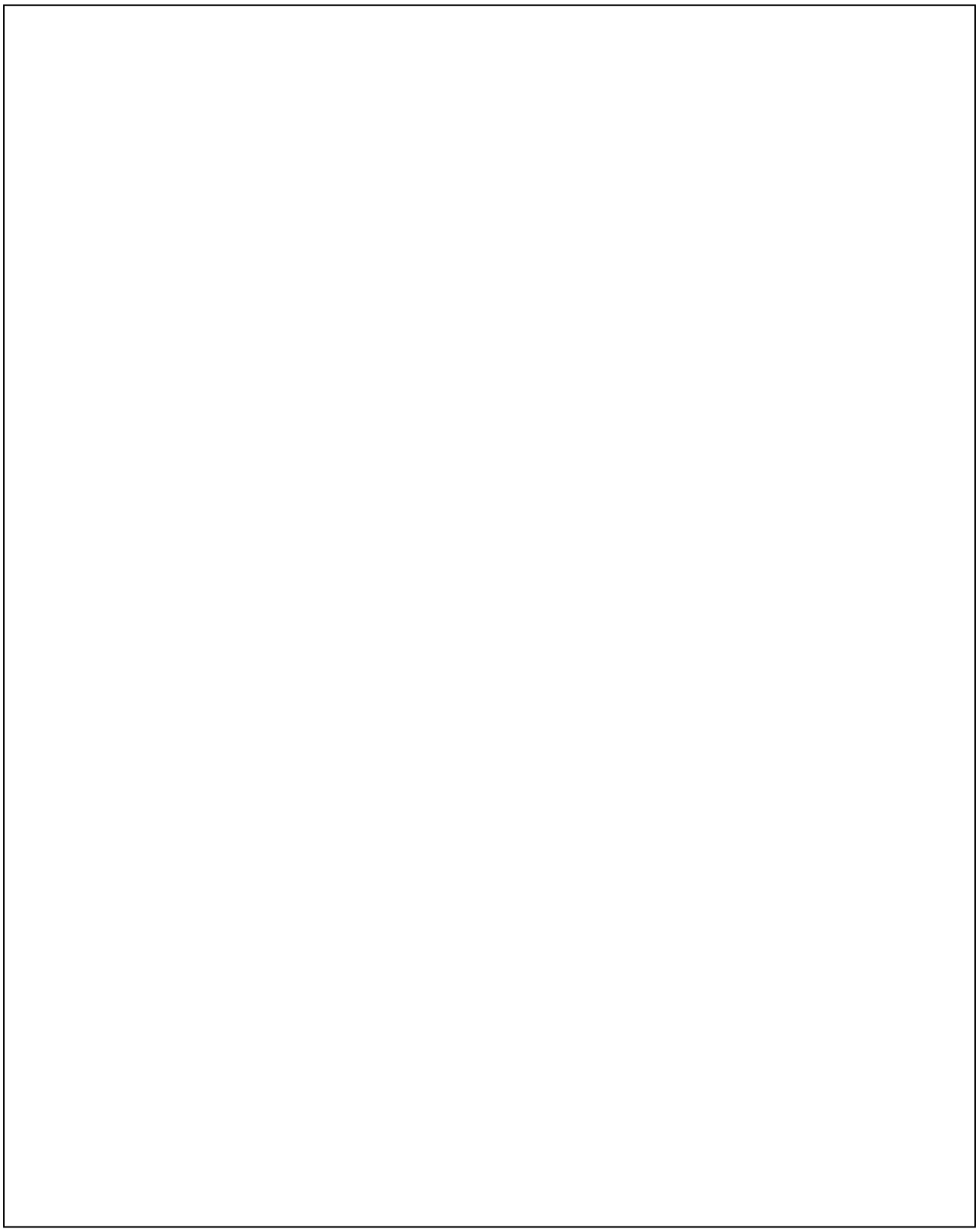
Table 60 – Sub-GHz cluster server capabilities

Item number	Item description	Reference	Status	Support
SUBCS1	Is the Sub-GHz Cluster supported as a server?	[R2]/D.14	O	N
SUBCS2	Is the Channel Change attribute supported?	[R2]/D.14.2.2.1	SUBCS1:M	NA
SUBCS3	Is the Page 28 Channel Mask attribute supported?	[R2]/D.14.2.2.2	SUBCS1:O	NA
SUBCS4	Is the Page 29 Channel Mask attribute supported?	[R2]/D.14.2.2.3	SUBCS1:O	NA
SUBCS5	Is the Page 30 Channel Mask attribute supported?	[R2]/D.14.2.2.4	SUBCS1:O	NA
SUBCS6	Is the Page 31 Channel Mask attribute supported?	[R2]/D.14.2.2.5	SUBCS1:O	NA
SUBCS7	Is the generation of Suspend ZCL Messages command supported?	[R2]/D.14.2.3.1	SUBCS1:M	NA
SUBCS8	Is the reception of Get Suspend ZCL Messages Status command supported?	[R2]/D.14.3.3.1	SUBCS1:M	NA

Table 61 – Sub-GHz cluster client capabilities

Item number	Item description	Reference	Status	Support
SUBCC1	Is the Sub-GHz Cluster supported as a client?	[R2]/D.14	O	NA
SUBCC2	Is the reception of Suspend ZCL Messages command supported?	[R2]/D.14.2.3.1	SUBCC1:M	NA
SUBCC3	Is the generation of Get Suspend ZCL Messages Status command supported?	[R2]/D.14.3.3.1	SUBCC1:M/O[54]	NA

[54] Mandatory for BOMDs, Optional for all other devices

8.8.23 Support on Non SE clusters

List in the below section all non SE clusters supported on the submitted product: