



**Zigbee PRO Green Power feature
Protocol Implementation Conformance (PICS)
Proforma
Basic functionality set
Version 1.1.1**

Zigbee Document 15-0006-013

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Abstract This document is a maintenance release of the Green Power Basic v1.1 PICS, containing all applicable errata.

Keywords Zigbee, Green Power, Battery-less, Energy Harvesting, Green Power stub, Green Power Cluster, Green Power Basic, generic switch, Compact Attribute Reporting, multi-sensor, setpoint

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Revision history

Revision	Date	Details	Editor
000	July 7 th , 2016	Baseline: clean Green Power Basic PICS (15-0006-11)	Bozena Erdmann
001	July 20 th , 2016	First draft, based on the multi-sensor baseline (16-02605)	Bozena Erdmann
002	July 29 th , 2016	Implementing comments as discussed during Green Power WG call on July 27 th and received via email from Jorgen van Parys on July 28 th	Bozena Erdmann
003	September 12 th , 2016	Implementing comments from the GP multi-sensor August PoC, Zigbee document 16-02611	Bozena Erdmann
004	October 5 th , 2016	Implementing comments from GP multi-sensor v0.7 letter ballot	Bozena Erdmann
005	October 6 th , 2016	Implementing comments from GP multi-sensor v0.7 letter ballot: comment #783	Bozena Erdmann
006	October 23 rd , 2016	Merging the GP multi-sensor v0.7 PICS with the GP generic switch v0.7 PICS (16-02015-004)	Bozena Erdmann
007	November 18 th , 2016	Adding several missing references to GP multi-sensor specification	Bozena Erdmann
008	December 3 rd , 2016	Implementing resolutions to GP multi-sensor LB v0.9 comments: #973, #976. Adding several missing references.	Bozena Erdmann
009	February 10 th , 2017	Implementing resolutions to comments from GP generic switch and multi-sensor December '16 SVE: #1013, #1014, #1025.	Bozena Erdmann
010	February 13 th , 2017	Implementing resolutions to comments from GP generic switch and multi-sensor December '16 SVE: #1031. Implementing resolutions for the v0.9 TSC approval comments: #1048, #1052, #1053.	Bozena Erdmann
011	June 15 th , 2017	Integrated approved GP Basic errata from 15-02016r004. Updated list of certified/non-certified features.	Bozena Erdmann
012	January 24 th , 2018	Integrating draft errata from 15-02016r009 Implementing resolutions to CCBs against the original GP Basic PICS, as in 15-02016-007: #2372, Implementing resolutions for the v1.0 WG approval comments: #1374. Implementing comment resolution from letter ballot for GP Basic errata set: Kavi comment: Kavi comment #1383. Implementing resolution for CCB #2524.	Bozena Erdmann
013	February 21 st , 2018	Adding pointers to the PIXIT items as defined in the XML PICS document [R10]. Implementing resolution for CCB #2533.	Bozena Erdmann

1 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 053474r21: Zigbee Specification 2015
- [R2] Zigbee document 08006r03: Zigbee 2007 Layer PICS and Stack Profiles
- [R3] Zigbee document 075123r04, Zigbee Cluster Library Specification
- [R4] Zigbee document 14-0563r18: Green Power Basic specification v1.1.1
- [R5] Zigbee document 15-0015r14: Green Power Basic test specification v1.1.1
- [R6] Zigbee document 064113r08: Zigbee Cluster Library PICS
- [R7] Zigbee document 15-02016, Errata for Green Power Basic PICS
- [R8] Zigbee document 15-00000r004, GP Basic PICS to test case mapping
- [R9] Zigbee [document 13-0166r01, Master List of Green Power Device Definitions](#)
- [R10] Zigbee [document 16-02615, Green Power Basic XML PICS](#)

1.2 IEEE documents

- [R11] ¹IEEE Standard for Part 15.4: Wireless Medium Access Control (MAC) and Physical Layer (PHY) specifications for Low Rate Wireless Personal Area Networks (LR-WPANs), 2011.

¹ v0.9 TSC approval comment #1048:

https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1048

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² v0.9 TSC approval comment #1052:

https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1052

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) proforma for the Zigbee specifications cited in Reference [R4] in compliance with the relevant requirements.

This document addresses the Green Power feature of the Zigbee core stack, together with the necessary cluster-level components (Green Power cluster).

2.2 Purpose

The supplier of a protocol implementation claiming to conform to the Green Power feature shall complete the following PICS proforma 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 proforma. The questions in a proforma 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 proforma, they would indicate whether an item is implemented or not, and provide explanations if an item is not implemented.

3 Green Power certification status

The current status of the certification and golden unit availability for Green Power functionality is listed in the tables below.

According to the current version of this specification, only the following GPI device types can be certified: GP Proxy Basic, GP Combo Basic, GP Commissioning Tool.

3.1 Not certified GP functionality

Note: this section reflects the functionality status AFTER this specification is approved.

Table 1 – Not certified GP functionality

Item number	Item description	Reference
GPPCSF5 GPPCCF5	Full unicast communication functionality	[R4] A.3.2.8
GPPCSF7 GPPCCF7 GPF9D-E GPF10A-B GPF100 GPF102 GPF108	Proximity bidirectional operation functionality	[R4] A.3.2.8
GPPCSF8 GPPCCF8 GPF9D-E GPF10A-B GPF100 GPF102 GPF108	Multi-hop bidirectional operation functionality	[R4] A.3.2.8
GPPCSF9 GPPCCF9	Proxy Table maintenance (active and passive) functionality	[R4] A.3.2.8
GPPCSF13 GPPCCF13 GPF9D-E GPF10A-B GPF100 GPCF7	Maintenance of GPD (deliver channel/key during operation) functionality	[R4] A.3.2.8
GPPCSF18	Sink Table-based groupcast forwarding functionality	[R4] A.3.2.8
GPD4 GPS4	GP Simple Sensor	[R4] A.4.3
GPD10 GPS5	GP Color Dimmer Switch	[R4] A.4.3
GPD20 GPS8	GP Door Lock Controller	[R4] A.4.3
GPD30 GPS9	GP Temperature Sensor	[R4] A.4.3
GPD31 GPS10	GP Pressure Sensor	[R4] A.4.3
GPD32 GPS11	GP Flow Sensor	[R4] A.4.3

Item number	Item description	Reference
GPD33 GPS12, GPS9, GPS6	GP Indoor Environment Sensor	[R4] A.4.3
GPS18	GP Window Covering cluster	[R4] A.4.3

3.2 Certified GP functionality

Table 2 – To-date certified device types

Item number	Item description	Reference
GPD0	Green Power Device (GPD) functionality	[R4] A.1.6, A.1.7
GPD2B	GP proxy functionality of Green Power Proxy Basic (GPPB) device	[R4] A.3.2.6
GPD2CB	GP proxy functionality of Green Power Combo Basic (GPCB) device	[R4] A.3.2.7
GPD3CB	GP sink functionality of Green Power Combo Basic (GPCB) device	[R4] A.3.2.7

Table 3 – To-date certified GP functionality

Item number	Item description	Reference
GPPCSF1 GPPCCF1	GP feature	[R4] A.3.2.8
GPPCSF2 GPPCCF2 GPF4A GPF4C	Direct communication (via GP stub) functionality	[R4] A.3.2.8
GPPCSF3 GPPCCF3	Derived groupcast communication functionality	[R4] A.3.2.8
GPPCSF4 GPPCCF4	Pre-commissioned groupcast communication functionality	[R4] A.3.2.8
GPPCSF6 GPPCCF6	Lightweight unicast communication functionality	[R4] A.3.2.8
GPPCSF10 GPPCCF10 GPCF4GPCF1 GPCF2 GPF4A-D GPF9A-C GPF10C-E GPCF10 GPCF11 GPCF12B GPCF13B	Proximity commissioning (unidirectional and bidirectional) functionality	[R4] A.3.2.8
GPPCSF11 GPPCCF11 GPCF4 GPCF1 GPCF2 GPF4A-D GPF9A-C GPF10C-E GPCF10 GPCF11 GPCF12B GPCF13B	Multi-hop commissioning (unidirectional and bidirectional) functionality	[R4] A.3.2.8

Item number	Item description	Reference
GPPCSF12 GPPCCF12 ³ GPPCC151AG PPCS110	CT-based commissioning functionality	[R4] A.3.2.8
GPPCSF14 GPPCCF14 GPF8	gpdSecurityLevel = 0b00 functionality <i>Note: According to the current version of the specification, only GPD that support gpdSecurityLevel = 0b10 or higher AND support TC-LK protection (as indicated by the GPDkeyEncryption sub-field of the Extended Options field of the GPD Commissioning command) of the GPD key, if exchanged over the air, can be certified.</i>	[R4] A.3.2.8
GPPCSF15 GPPCCF15 GPF7	gpdSecurityLevel = 0b01 functionality (deprecated)	[R4] A.3.2.8
GPPCSF16 GPPCCF16 GPF6	gpdSecurityLevel = 0b10 functionality	[R4] A.3.2.8
GPPCSF17 GPPCCF17 GPF5	gpdSecurityLevel = 0b11 functionality	[R4] A.3.2.8
GPPCSF19	Translation Table functionality	[R4] A.3.2.8
GPPCSF20 GPPCCF20 GPF4D GPF4B	GPD IEEE address functionality	[R4] A.3.2.8
GPCF12B GPCF13B	TC-LK encryption of the GPD key exchanged during commissioning	[R4] A.3.9, A.1.5.9
GPD0 GPS1A	GP Simple Generic 1-state Switch	[R4] A.4.3
GPD1 GPS1B	GP Simple Generic 2-state Switch	[R4] A.4.3
GPD2 GPS2	GP On/Off switch functionality	[R4] A.4
GPD3 GPS3	GP Level Control Switch	[R4] A.4.3
GPD5 GPS14A	GP Advanced Generic 1-state Switch	[R4] A.4.3
GPD6 GPS14B	GP Advanced Generic 2-state Switch	[R4] A.4.3
GPD7 GPS17	GP Generic 8-contact Switch	
GPD11 GPS6	GP Light Sensor	[R4] A.4.3
GPD12 GPS7	GP Occupancy Sensor	[R4] A.4.3
GPD102 GPS16 GPPCSF21	Standard ZCL cluster controllable via GPD Compact Attribute Reporting	[R4] A.4.3
GPDTX10 - GPDTX1f GPDRX10 - GPDRX1f	GP Scene functionality	[R4] A.4.3
GPDTXA6 GPDRXA6	GPD ZCL Tunneling command	[R4] A.4.3

³ CCB #2279 and CCB #2278; resolution modified in 15-02016-008 as a result of Kavi comment #1383 from letter ballot for GP Basic errata set:
https://workspace.zigbee.org/higherlogic/ws/groups/PRO_GP/comments/view_comment?comment_id=1383

4 Abbreviations and special symbols

Notations for requirement status:

M	Mandatory
O	Optional
O.n	Optional, but support of at least one or only one (as indicated in the footnote to the O.n label) of the group of options labeled O.n is required. (Clarification - the number 'n' is a label for the group, not a count of the number of options within the group, or the ordinal number of the option within the group. All options in the group are indicated identically as O.n)
N/A	Not applicable
X	Prohibited
Item label: Status	Status is conditional on support of the item with the given item label.

Examples

1/ If items labeled A and B are both marked "O.n" this indicates that the status is optional for both A and B, but at least one of the two features described by items A and B is required to be implemented.

2/ If m items are each marked A: O.n, this indicates that, if item A is implemented, the status is optional for all of them, but at least one of the m features described by the items is required to be implemented.

5 Instructions for completing the PICS proforma

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

A PICS which conforms to this document shall be a conforming PICS proforma 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.

6 Identification of the implementation

Implementation under test (IUT) identification

IUT name: EcoStruxure Building Operation

IUT version: 2022

System under test (SUT) identification

SUT name: SpaceLogic RP-C Controller with USB Adapter

Software Version: 4.0

Hardware Version: 1

Operating system (optional):

Zigbee stack revision and profile (should be PRO r20 or later): PRO r21

Product supplier

Name: Schneider Electric Buildings AB

Address: Mobilvägen 10, SE-22362 Lund, Sweden

Telephone number: +46771360370

Facsimile number:

Email address: Thomas.Falk@se.com

Additional information:

Client

Name: Schneider Electric Buildings AB

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Email address: _____ Thomas.Falk@se.com _____

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PICS contact person

Name: _____ Thomas Falk _____

Address: _____ Mobilvägen 10, SE-22362 Lund, Sweden _____

Telephone number: _____ +46771360370 _____

Facsimile number: _____

Email address: _____ Thomas.Falk@se.com _____

Additional information: _____

PICS/System conformance statement

7 Identification of the protocol

This PICS proforma applies to the Green Power feature, cited in Reference [R4].

8 Global statement of conformance

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

Green Power – 14-0563r18

☒ 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 subclause. That means, by clicking the above, the statement of conformance is complete.

9 Zigbee stack profile [R2] errata

9.1 Modify the Table in “8.6.3.1.5 Zigbee Device Objects functions”, p.89, of 08006r03

9.1.1 After AZD18, add

AZD19	Does the device support conflict checking with its own short address, on reception of Device_annce with IEEE address 0xffffffffffffff?	[R4] A.2	M	
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9.2 Modify the Table in “8.4.2.2 Network layer frames” to include alias usage for Tx and Rx, p.47,

9.2.1 ⁴after NDF4, add

NDF5	Does the device support reception of Zigbee NWK frames with non-incremental sequence number in the NWK header Sequence Number field?			
		Zigbee	M	
NDF6	Does the device support transmission of Zigbee NWK frames with AliasSrcAddr and AliasSeqNumb, as supplied by next higher layer?			
		Zigbee-PRO	GPDT2: M GPDT3t: X GPDT3t+: X GPDT3c: X GPDT3CB: M GPDT4: M	

⁴ v0.9 TSC approval comment #1053:

https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1053

10 Green Power feature

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

According to the current version of this specification, only the following GPI device types can be certified: GP Proxy Basic, GP Combo Basic, GP Commissioning Tool.

10.1 Green Power Device Types

Table 4 – Green Power device types

Item number	Item description	Reference	Status	Support
GPDT0	Does the product support GPD functionality?	[R4] A.1.6, A.1.7	O.6 ⁵	false
GPDT1	Does the product support the functionality of GP infrastructure device?	[R4] A.3.2	O.6	true
GPDT2	Does the product support GPP functionality?	[R4] A.3.2.3	GPDT1: O.7 ⁶	true
GPDT2f	Is the product programmed as a GPP?	[R4] A.3.2.3	GPDT2: X	false
GPDT2B	Is the product programmed as a GPPB?	[R4] A.3.2.6	GPDT2: O.8 ⁷	true
GPDT2CB	Is the product programmed as a GPCB?	[R4] A.3.2.4	GPDT2: O.8	false
GPDT3	Does the product support GPS functionality?	[R4] A.3.2	GPDT1: O.7	false
GPDT3t	Is the product programmed as a GPT?	[R4] A.3.2.1	GPDT3: X	false
GPDT3t+	Is the product programmed as a GPT+?	[R4] A.3.2.2	GPDT3: X	false
GPDT3c	Is the product programmed as a GPC?	[R4] A.3.2.4	GPDT3: X	false
GPDT3CB	Is the product programmed as a GPCB?	[R4] A.3.2.7	GPDT3: O	false
GPDT4	Does the product support GP commissioning tool functionality?	[R4] A.3.2.5	GPDT1: O.7	false
GPDT4ct	Is the product programmed as a GP Commissioning Tool?	[R4] A.3.2.5	GPDT1: O	false

Please note: all PICS items applicable for all the GPP and GPS subtypes, use the generic item label: GPDT2 or GPDT3, respectively.

The sub-type specific item labels (GPDT2f, GPDT2B, GPDT2CB, GPDT2c, GPDT3t, GPDT3t+, GPDT3c, GPDT3CB) are used for sub-type specific requirements.

⁵ O.6 - Device Under Test SHALL support only one of these options.

⁶ O.7 - Device Under Test SHALL support at least one of these options.

⁷ O.8 - Device Under Test SHALL support only one of these options.

11 Functionality of Green Power infrastructure device

11.1 Green Power stub capabilities of GP infrastructure devices

This PICS table applies to GP infrastructure devices GPDT1, GPDT2, GPDT3 and GPDT4.

All PICS items applicable for all the generic GP device types, use the generic item label: GPDT1 if applicable to all devices, or GPDT2, GPDT3, and GPDT4, if applicable in general to GPP, GPS or GPCT functionality, respectively.

The sub-type specific item labels (GPDT2f, GPDT2BGPDT2CB, GPDT2c, GPDT3t, GPDT3t+, GPDT3c, and GPDT3CB) are used for sub-type specific requirements.

Since GPDT0 are not Zigbee-PRO devices, their functionality is not discussed here. Please see ZCL PICS for GPDT0 compliance requirements.

Item number	Item description	Reference	Status	Support
GPF1	Does the device implement cGP stub?	[R4] A.1	GPDT2B: M GPDT2CB: M GPDT3CB: M ⁸ GPDT4: O ⁹¹⁰ GPF2A: M	true
¹¹ GPF2A	Does the device implement dGP stub?	[R4] A.1	GPDT2B: M GPDT2CB: M GPDT3CB: M ¹² GPDT4: O ¹³ GPF1: M	true
¹⁴ GPF2B	Does the device support gpTxQueue?	[R4] A.1	¹⁵ GPDT2B: M GPDT2CB: M GPDT3CB: M ¹⁶ GPDT4: O	true
GPF3	Does the device support the general Green Power Device Frame format?	[R4] A.1.4	GPDT2B: M GPDT2CB: M GPDT3CB: M ¹⁷ GPDT4: O ¹⁸ GPF1 ¹⁹ GPF2A: M	true
GPF3A	Does the device support <i>nwkProtocolVersion</i> = 0x3?	[R4] A.1.4	GPDT2B: M GPDT2CB: M GPDT3CB: M ²⁰ GPDT4: O ²¹ GPF3: M	true
GPF4C	Does the device support receiving GPDF frame format with <i>ApplicationID</i> sub-field of the <i>Extended NWK Frame Control</i> field set to 0b000?	[R4] A.1.4	GPDT2B: M GPDT2CB: M GPDT3CB: M ²² GPDT4: O	true
GPF4D	Does the device support receiving GPDF frame format with <i>ApplicationID</i> sub-field of the <i>Extended NWK Frame Control</i> field set to 0b010?	[R4] A.1.4	GPDT2B: M GPDT2CB: M GPDT3CB: M ²³ GPDT4: O	true

⁸ CCB #2372; Resolution added in 15-02016-007

⁹ CCB #2372; Resolution added in 15-02016-007

¹⁰ CCB #2524; resolution added in 15-02016-009;

¹¹ CCB #2524; resolution added in 15-02016-009;

¹² CCB #2372; Resolution added in 15-02016-007

¹³ CCB #2372; Resolution added in 15-02016-007

¹⁴ CCB #2524; resolution added in 15-02016-009;

¹⁵ CCB #2198; Resolution added in 15-02016-002

¹⁶ CCB #2372; Resolution added in 15-02016-007

¹⁷ CCB #2372; Resolution added in 15-02016-007

¹⁸ CCB #2372; Resolution added in 15-02016-007

¹⁹ CCB #2524; resolution added in 15-02016-009;

²⁰ CCB #2372; Resolution added in 15-02016-007

²¹ CCB #2372; Resolution added in 15-02016-007

²² CCB #2372; Resolution added in 15-02016-007

²³ CCB #2372; Resolution added in 15-02016-007

Item number	Item description	Reference	Status	Support
GPF5	Does the device's dGP stub support GPDF SecurityLevel=0b11?	[R4] A.1.5.4; A.3.7.2	GPDT2B: M GPDT2CB: M GPDT3CB: O.4 ²⁴ GPDT4: O	true
GPF6	Does the device's dGP stub support GPDF SecurityLevel=0b10?	[R4] A.1.5.4; A.3.7.2	GPDT2B: M GPDT2CB: M GPDT3CB: O.4 ²⁵ GPDT4: O	true
GPF7	Does the device's dGP stub support GPDF SecurityLevel=0b01? (deprecated)	[R4] A.1.5.4; A.3.7.2	GPDT1: X (deprecated)	false
GPF8A	Does the device's dGP stub support GPDF SecurityLevel=0b00 in commissioning?	[R4] A.1.5.4; A.3.7.2	GPDT2B: M GPDT2CB: M GPDT3CB: M ²⁶ GPDT4: O	true
GPF8B	Does the device's dGP stub support GPDF SecurityLevel=0b00 in operation?	[R4] A.1.5.4; A.3.7.2	GPDT2B: O GPDT2CB: O GPDT3CB: O ²⁷ GPDT4: O	true
GPF9A	Does the device support transmitting GPDF frame format with <i>ApplicationID</i> sub-field of the Extended NWK Frame Control field set to 0b000 and Frame type sub-field of the NWK Frame Control field set to 0b00 (Data frame) in commissioning, without security?	[R4] A.1	GPDT2B: M GPDT2CB: M GPDT3CB: M ²⁸ GPDT4: O	true
GPF9B	Does the device support transmitting GPDF frame format with <i>ApplicationID</i> sub-field of the Extended NWK Frame Control field set to 0b010 in commissioning, without security?	[R4] A.1	GPDT2B: M GPDT2CB: M GPDT3CB: M ²⁹ GPDT4: O	true
GPF9C	Does the device support transmitting in commissioning mode a GPDF frame format with Frame type sub-field of the NWK Frame Control field set to 0b01 (Maintenance frame)?	[R4] A.1, A.3.9	GPDT2B: M GPDT2CB: M GPDT3CB: M ³⁰ GPDT4: O	true
GPF9D	Does the device support transmitting GPDF frame format with <i>ApplicationID</i> sub-field of the Extended NWK Frame Control field set to 0b000 and <i>Frame type</i> sub-field of the NWK Frame Control field set to 0b00 (Data frame) in operation, with security?	[R4] A.1	GPDT2B: X GPDT2CB: X GPDT3CB: X GPDT4: O	false
GPF9E	Does the device support transmitting GPDF frame format with <i>ApplicationID</i> sub-field of the Extended NWK Frame Control field set to 0b010 in operation, with security?	[R4] A.1	GPDT2B: X GPDT2CB: X GPDT3CB: X GPDT4: O	false
³¹ GPF11	Is the device capable of transmitting a response GPDF between <i>gpTxOffset</i> and <i>gpTxOffset+gpMaxTxOffsetVariation</i> ms after reception of the request GPDF (aka immediate response)?	[R4] A.1	GPDT2: X GPDT3: O GPF9A-E: O GPPCSF10: O GPPCSF11: O GPPCSF7: O GPPCSF8: O GPPCSF13: O	false

11.2 Green Power: Support of proxy basic functionality

This PICS table applies to GP infrastructure devices GPDT1, GPDT2, GPDT3 and GPDT4.

All PICS items applicable for all the generic GP device types use the generic item label: GPDT1 if applicable to all devices, or GPDT2, GPDT3, and GPDT4, if applicable in general to GPP, GPS or GPCT functionality, respectively.

The sub-type specific item labels (GPDT2B, GPDT2CB) are used for sub-type specific requirements.

²⁴ CCB #2372; Resolution added in 15-02016-007

²⁵ CCB #2372; Resolution added in 15-02016-007

²⁶ CCB #2372; Resolution added in 15-02016-007

²⁷ CCB #2372; Resolution added in 15-02016-007

²⁸ CCB #2372; Resolution added in 15-02016-007

²⁹ CCB #2372; Resolution added in 15-02016-007

³⁰ CCB #2372; Resolution added in 15-02016-007

³¹ CCB #2524; resolution added in 15-02016-009;

Since GPDT0 are not Zigbee-PRO devices, their functionality is not discussed here. Please see ZCL PICS for GPDT0 compliance requirements.

Item number	Item description	Reference	Status	Support
GPPC0	Does the device support the GP proxy basic functionality?	[R4] A.3.2.6	GPDT2B: M GPDT2CB: M GPDT3CB: X GPDT4: O	true
GPPC1	Is the Green Power cluster supported?	[R4] A.3	GPPC0: M	true
GPPC2	Does the device support Green Power End Point (GPEP)?	[R4] A.3.1	GPPC0: M	true
GPPC3	Does the device support GPEP duplicate filtering?	[R4] A.3.6.1	GPPC0: M	true
GPPCC1	Is the Green Power cluster supported as a client?	[R4] A.3.4	GPPC0: O.5 ³² GPDT2B: M GPDT2CB: M	true
GPPCC2	Is the gppMaxProxyTableEntries attribute supported?	[R4] A.3.4.2.1	GPPCC1: M	true
GPPCC3A	Is the Proxy Table attribute supported?	[R4] A.3.4.2.2	GPPCC1: M	true
GPPCC3B	Is the minimum number of 5 entries in the Proxy Table attribute supported? Indicate the actual number of entries in the Proxy Table supported by this device.	[R4] A.3.4.2.2 [R10] GPPPIXIT01	GPPCC1: M	true, 100
GPPCC3F	Is Proxy Table readout via ZCL Read Attributes/Read Attributes Response commands supported?	[R4] A.3.4.2.2.1	GPPCC1: M	true
GPPCC3G	Is Proxy Table readout via GP Proxy Table Request/Response commands supported?	[R4] A.3.4.3.1, A.3.4.4.2	GPPCC1: M	true
GPPCC8	Is the gppFunctionality attribute supported?	[R4] A.3.4.2.7	GPPCC1: M	true
GPPCC9	Is the gppActiveFunctionality attribute supported?	[R4] A.3.4.2.8	GPPCC1: M	true
GPPCS1	Is the Green Power cluster supported as a server?	[R4] A.3.3	GPPC0: O.5 GPDT3CB: X	false
GPPCS2	Is the gppMaxSinkTableEntries attribute supported?	[R4] A.3.3.2.1	GPPCS1: M	n/a
GPPCS3A	Is the Sink Table attribute supported?	[R4] A.3.3.2.2	GPPCS1: M	n/a
GPPCS3B	Is the minimum number of 5 entries in the Sink Table attribute supported?	[R4] A.3.3.2.2 [R10] GPSPIXIT01	GPPCS1: M	n/a
GPPCS3C	Is Sink Table readout via ZCL Read Attributes/Read Attributes Response commands supported?	[R4] A.3.3.2.2.1	GPPCS1: M	n/a
GPPCS3D	Is Sink Table readout via GP Sink Table Request/Response commands supported?	[R4] A.3.3.5.6, A.3.3.4.7	GPPCS1: M	n/a
GPPCS8	Is the gpsFunctionality attribute supported?	[R4] A.3.3.2.7	GPPCS1: M	n/a
GPPCS9	Is the gpsActiveFunctionality attribute supported?	[R4] A.3.3.2.8	GPPCS1: M	n/a
GPPC101	Is the gpSharedSecurityKeyType attribute supported?	[R4] A.3.3.3.1	GPPC0: O (GPDT2B GPDT2CB) && GPPCCF11: O GPDT3CB && (GPPCCF10 GPPCCF11): M GPPC102: M ((GPPCCF7 GPPCCF8) && (GPF5 GPF6)): M	false
GPPC102	Is the gpSharedSecurityKey attribute supported?	[R4] A.3.3.3.2	GPPC0: O (GPDT2B GPDT2CB) && GPPCCF11: O GPDT3CB && (GPPCCF10 GPPCCF11): M GPPC101: M ((GPPCCF7 GPPCCF8) && (GPF5 GPF6)): M	false
GPPC103	Is the gpLinkKey attribute supported?	[R4] A.3.3.3.3	GPDT2B: O GPDT2CB: O	true
GPPC104	Is the global <i>ClusterRevision</i> attribute (0xfffd) supported?	[R4] A.3.3.3	GPDT2B: M GPDT2CB: M	true

³² O.5: Device Under Test SHALL support at least one of those options.

GPPCC101B	Is transmission of the GP Notification command in lightweight unicast supported?	[R4] A.3.3.4.1	GPDT2B: M GPDT2CB: M	true
GPPCC102	Is transmission of the GP Notification command in derived groupcast supported?	[R4]A.3.3.4.1	GPDT2B: M GPDT2CB: M	true
GPPCC103	Is transmission of the GP Notification command in commissioned groupcast supported?	[R4]A.3.3.4.1	GPDT2B: M GPDT2CB: M	true
³³ A GPPCC151	Is reception of the GP Pairing command supported?	[R4] A.3.3.5.2	GPPCC1: M	true

³³ CCB #2279 and CCB #2278; resolution modified in 15-02016-008 as a result of Kavi comment #1383 from letter ballot for GP Basic errata set:
https://workspace.zigbee.org/higherlogic/ws/groups/PRO_GP/comments/view_comment?comment_id=1383

11.3 Functionality of Green Power cluster

The GPPCCF\$ items refer ONLY to the PROXY functionality of the Device Under Test (DUT). Analogously, the GPPCSF\$ items refer ONLY to the SINK functionality of the DUT.

Thus, for a GPC, each item set covers only a part of GPC's functionality. Therefore, for the two functional parts of the GPC, both PICS items sets have to be checked independently.

Table 5 – Green Power cluster feature support

Item number	Item description	Reference	Status	Support
GPPCSF1	Is GP feature supported as a server? (GP feature sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: M ³⁴ GPDT4: O	false
GPPCSF2	Is Direct communication (via GP stub) supported as a server? (Direct communication sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: M ³⁵ GPDT4: O	false
GPPCSF3	Is Derived groupcast communication supported as a server? (Derived groupcast communication sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: O.11 GPDT4: O	false
GPPCSF4	Is Pre-commissioned groupcast communication supported as a server? (Pre-commissioned groupcast communication sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: O.11 (GPDT3CB & GPPCSF3: M) GPDT4: O	false
GPPCSF5	Is Unicast communication supported as a server? (Unicast communication sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: X GPDT4: O	false
GPPCSF6	Is Lightweight unicast communication supported as a server? (Lightweight unicast communication sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: O.11 GPDT4: O	false
GPPCSF7	Is Proximity bidirectional operation supported as a server? (Proximity bidirectional operation sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: X GPDT4: O	false
GPPCSF8	Is Multi-hop bidirectional operation supported as a server? (Multi-hop bidirectional operation sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: X GPDT4: O	false
GPPCSF9	Is Proxy Table maintenance (active and passive) supported as a server? (Proxy Table maintenance sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: X GPDT4: O	false
GPPCSF10	Is Proximity commissioning (unidirectional and bidirectional) supported as a server? (Proximity commissioning sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: M ³⁶ GPDT4: O	false
GPPCSF11	Is Multi-hop commissioning (unidirectional and bidirectional) supported as a server? (Multi-hop commissioning sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: M GPDT4: O	false
GPPCSF12	Is CT-based commissioning supported as a server? (CT-based commissioning sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: M ³⁷ GPDT4: O	false
GPPCSF13	Is Maintenance of GPD (deliver channel/key during operation) supported as a server? (Maintenance of GPD sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: X GPDT4: O	false
GPPCSF14	Is gpdSecurityLevel = 0b00 supported in operation as a server? (gpdSecurityLevel = 0b00 sub-field of the gpsFunctionality attribute set?) <i>Note: According to the current version of the specification, only GPD that support gpdSecurityLevel = 0b10 or higher AND support TC-LK protection of the GPD key, if exchanged over the air, can be certified.</i>	[R4] A.3.2.9	GPDT2: N/A GPDT3: O GPDT4: O	false

³⁴ CCB #2372; Resolution added in 15-02016-007

³⁵ CCB #2372; Resolution added in 15-02016-007

³⁶ CCB #2372; Resolution added in 15-02016-007

³⁷ CCB #2372; Resolution added in 15-02016-007

Item number	Item description	Reference	Status	Support
GPPCSF15	Is gpdSecurityLevel = 0b01 supported as a server? (gpdSecurityLevel = 0b01 sub-field of the gpsFunctionality attribute set?) (deprecated)	[R4] A.3.2.9	GPDT1: X (deprecated)	false
GPPCSF16	Is gpdSecurityLevel = 0b10 supported as a server? (gpdSecurityLevel = 0b10 sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3: O.12 ³⁸ GPDT4: O	false
GPPCSF17	Is gpdSecurityLevel = 0b11 supported as a server? (gpdSecurityLevel = 0b11 sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3: O.12 GPDT4: O	false
GPPCSF18	Is SinkTable-based groupcast forwarding supported as a server? (SinkTable-based groupcast forwarding sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: X GPDT4: O	false
GPPCSF19	Is Translation Table feature supported as a server? (Translation Table sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3: O GPDT4: O	false
GPPCSF20	Is GPD IEEE address feature supported as a server? (GPD IEEE address sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: M ³⁹ GPDT4: O	false
⁴⁰ GPPCSF21	Is compact attribute reporting feature supported as a server? (Compact attribute reporting sub-field of the gpsFunctionality attribute set?)	[R4] A.3.2.9	GPDT2: N/A GPDT3CB: O ⁴¹ GPS6 GPS7 GPS9 GPS12: M GPDT4: O	false
GPPCCF1	Is GP feature supported as a client? (GP feature sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2B: M GPCT2CB: M GPDT3: N/A GPDT4: O	true
GPPCCF2	Is Direct communication (via GP stub) supported as a client? (Direct communication sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2B: M GPCT2CB: M GPDT3: N/A GPDT4: O	true
GPPCCF3	Is Derived groupcast communication supported as a client? (Derived groupcast communication sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2B: M GPCT2CB: M GPDT3: N/A GPDT4: O	true
GPPCCF4	Is Pre-commissioned groupcast communication supported as a client? (Pre-commissioned groupcast communication sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2B: M GPCT2CB: M GPDT3: N/A GPDT4: O	true
GPPCCF5	Is Full unicast communication supported as a client? (Unicast communication sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2B: X GPDT2CB: X GPDT3: N/A GPDT4: O	false
GPPCCF6	Is Lightweight unicast communication supported as a client? (Lightweight unicast communication sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2B: M GPCT2CB: M GPDT3: N/A GPDT4: O	true
GPPCCF7	Is Proximity bidirectional operation supported as a client? (Proximity bidirectional operation sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2: N/A GPDT3: N/A GPDT4: O	false
GPPCCF8	Is Multi-hop bidirectional operation supported as a client? (Multi-hop bidirectional operation sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2B: X GPDT2CB: X GPDT3: N/A GPDT4: O	false
GPPCCF9	Is Proxy Table maintenance (active and passive) supported as a client? (Proxy Table maintenance sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2B: X GPDT2CB: X GPDT3: N/A GPDT4: O	false

³⁸ O.12: Device Under Test SHALL support at least one of those options.

³⁹ CCB #2372; Resolution added in 15-02016-007

⁴⁰ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1014

⁴¹ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1014

Item number	Item description	Reference	Status	Support
GPPCCF10	Is Proximity commissioning (unidirectional and bidirectional) supported as a client? (Proximity commissioning sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2: N/A GPDT3: N/A GPDT4: O	false
GPPCCF11	Is Multi-hop commissioning (unidirectional and bidirectional) supported as a client? (Multi-hop commissioning sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2B: M GPDT2CB: M GPDT3: N/A GPDT4: O	true
GPPCCF12	Is CT-based commissioning supported as a client? (CT-based commissioning sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2B: M GPDT2CB: M GPDT3: N/A GPDT4: O	true
GPPCCF13	Is Maintenance of GPD (deliver channel/key during operation) supported as a client? (Maintenance of GPD sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2B: X GPDT2CB: X GPDT3: N/A GPDT4: O	false
GPPCCF14	Is gpdSecurityLevel = 0b00 supported in operation as a client? (gpdSecurityLevel = 0b00 sub-field of the gppFunctionality attribute set?) <i>Note: According to the current version of the specification, only GPD that support gpdSecurityLevel = 0b10 or higher AND support TC-LK protection of the GPD key, if exchanged over the air, can be certified.</i>	[R4] A.3.2.8	GPDT2B: O GPDT2CB: O GPDT3CB: N/A GPDT4: O	true
GPPCCF15	Is gpdSecurityLevel = 0b01 supported as a client? (gpdSecurityLevel = 0b01 sub-field of the gppFunctionality attribute set?) (deprecated)	[R4] A.3.2.8	GPDT1: X (deprecated)	false
GPPCCF16	Is gpdSecurityLevel = 0b10 supported as a client? (gpdSecurityLevel = 0b10 sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2B: M GPDT2CB: M GPDT3CB: N/A GPDT4: O	true
GPPCCF17	Is gpdSecurityLevel = 0b11 supported as a client? (gpdSecurityLevel = 0b11 sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2B: M GPDT2CB: M GPDT3CB: N/A GPDT4: O	true
GPPCCF18	Is SinkTable-based groupcast forwarding supported as a client? (SinkTable-based groupcast forwarding sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2: N/A GPDT3: N/A GPDT4: N/A	false
GPPCCF19	Is Translation Table feature supported as a client? (Translation Table sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2: N/A GPDT3: N/A GPDT4: N/A	false
GPPCCF20	Is GPD IEEE address feature supported as a client? (GPD IEEE address sub-field of the gppFunctionality attribute set?)	[R4] A.3.2.8	GPDT2B: M GPDT2CB: M GPDT3CB: N/A GPDT4: N/A	true

11.3.1 Green Power cluster: items common to client and server

Table 6 – Green Power cluster items common to client and server

Item number	Item description	Reference	Status	Support
GPPC1	Is the Green Power cluster supported?	[R4] A.3	GPDT1: M	true
GPPC2	Does the device support Green Power End Point (GPEP)?	[R4] A.3.1	GPDT1: M	true
GPPC3	Does the device support GPEP duplicate filtering?	[R4] A.3.6.1.2	GPDT1: M	true
GPPC3r	Does the device support random MAC sequence number for GPD commands' duplicate filtering?	[R4] A.3.6.1.2	GPDT1&& (GPF8A GPF8B): M	true
GPPC3i	Does the device support incremental MAC sequence number for GPD commands' duplicate filtering?	[R4] A.3.6.1.2	GPDT1&& (GPF8A GPF8B): M	true
GPPC3s	Does the device support GPD security frame counter for GPD commands' duplicate filtering?	[R4] A.3.6.1.2	GPDT1&& (GPF5 GPF6): M	true
GPPC4	Does the device support transmission of Device_annce for the alias?	[R4] A.3.6.3.3, A.3.6.3.4	GPDT3 && (GPPCSF3 GPPCSF4 GPPCSF6): M GPDT2: X	false
GPPC5	Does the device support conflict checking for the alias on reception of Device_annce?	[R4] A.3.6.3.3, A.3.6.3.4	GPDT1: M	true
GPPC6	Does the device support transmission of Device_annce for the alias, upon alias conflict detection?	[R4] A.3.6.3.3, A.3.6.3.4	GPDT1: M	true
GPPC101	Is the <i>gpSharedSecurityKeyType</i> attribute supported?	[R4] A.3.3.3.1	GPDT1: O GPPCCF11 && (GPDT2B GPDT2CB): O GPDT3CB && (GPPCSF10 GPPCSF11): M GPPC102: M GPDT1&& ((GPPCSF7 GPPCSF8 GPPCCF7 GPPCCF8) && (GPF5 GPF6): M	true
GPPC102	Is the <i>gpSharedSecurityKey</i> attribute supported?	[R4] A.3.3.3.2	GPDT1: O (GPDT2B GPDT2CB) && GPPCCF11: O GPDT3CB && (GPPCSF10 GPPCSF11): M GPPC102: M GPDT1&& ((GPPCSF7 GPPCSF8 GPPCCF7 GPPCCF8) && (GPF5 GPF6): M	true
GPPC103	Is the <i>gpLinkKey</i> attribute supported?	[R4] A.3.3.3.3	GPDT2B: O GPDT2CB: O GPDT3CB&& (GPF5 GPF6): M	true
GPPC104	Is the <i>ClusterRevision</i> cluster global attribute supported?	[R4] A.3.3.3	GPDT1: M	true

11.3.2 Server side

Table 7 – Green Power cluster server capabilities

Item number	Item description	Reference	Status	Support
GPPCS1	Is the Green Power cluster supported as a server?	[R4] A.3.3	GPDT2B: X GPDT2CB: X GPDT3CB: M ⁴² GPDT4: O GPPCSF1: M	false
GPPCS2	Is the <i>gpsMaxSinkTableEntries</i> attribute supported?	[R4] A.3.3.2.1	GPDT2: X GPDT3CB: M GPDT4: O	N/A
GPPCS3A	Is the Sink Table attribute supported?	[R4] A.3.3.2.2	GPDT2: X GPDT3CB: M GPDT4: O	N/A
GPPCS3B	Is the required minimum number of entries in the Sink Table attribute supported? ⁴³	[R4] A.3.3.2.2	GPDT3CB: 5 GPDT3 && GPPCSF18: 10 GPDT3 && !GPPCSF18:5	N/A
GPPCS3C	Is Sink Table readout via ZCL Read Attributes/Read Attributes Response commands supported?	[R4] A.3.3.2.2.1	GPDT3CB: M	N/A
GPPCS3D	Is Sink Table readout via GP Sink Table Request/Response commands supported?	[R4] A.3.3.5.6, A.3.3.4.7	GPDT3CB: M	N/A
GPPCS4	Is the <i>gpsCommunication</i> mode attribute supported?	[R4] A.3.3.2.3	GPDT2: X GPDT3CB: M GPDT4: O	N/A
GPPCS5	Is the <i>gpsCommissioningExitMode</i> attribute supported?	[R4] A.3.3.2.4	GPDT2: X GPDT3CB: M GPDT4: O	N/A
GPPCS6	Is the <i>gpsCommissioningWindow</i> attribute supported?	[R4] A.3.3.2.5	GPDT2: X GPDT3CB: O GPDT4: O	N/A
GPPCS7	Is the <i>gpsSecurityLevel</i> attribute supported?	[R4] A.3.3.2.6	GPDT2: X GPDT3CB: M GPDT4: O	N/A
GPPCS8	Is the <i>gpsFunctionality</i> attribute supported?	[R4] A.3.3.2.7	GPDT2: X GPDT3CB: M GPDT4: O	N/A
GPPCS9	Is the <i>gpsActiveFunctionality</i> attribute supported?	[R4] A.3.3.2.8	GPDT2: X GPDT3CB: M GPDT4: O	N/A
GPPCS99	Is Translation Table supported?	[R4] A.3.5.2.2	GPDT2: X GPDT3CB: O GPDT4: O GPPCSF19: M	N/A
GPPCS100	Is reception of the GP Notification command supported?	[R4] A.3.2.10 [R4] A.3.3.3	GPDT2B: X GPDT2CB: X GPDT3CB: M GPDT4: O	N/A
GPPCS101A	Is reception of the GP Notification command in full unicast supported?	[R4] A.3.2.10 [R4] A.3.3.4.1	GPDT2: X GPDT3CB: X GPPCSF5: M GPDT4: O	N/A
GPPCS101B	Is reception of the GP Notification command in lightweight unicast supported?	[R4] A.3.2.10 [R4] A.3.3.4.1	GPDT2: X GPDT3CB: O.14 ⁴⁴ GPPCSF6: M GPDT4: O	N/A

⁴² CCB #2372; Resolution added in 15-02016-007

⁴³ 5 is the default minimum number of entries defined by the GP Proxy cluster [R4]. A particular profile adopting the cluster may mandate different value.

⁴⁴ O.14: Device Under Test SHALL support at least one of those options; only one SHALL be enabled at any given time.

Item number	Item description	Reference	Status	Support
GPPCS102	Is reception of the GP Notification command in derived groupcast supported?	[R4] A.3.2.10 [R4] A.3.3.4.1	GPDT2B: X GPDT2CB: X (GPPCCF8 GPPCCF9 GPPCCF13): M GPDT3CB: O.14 GPPCSF3: M GPDT4: O	N/A
GPPCS103	Is reception of the GP Notification command in commissioned groupcast supported?	[R4] A.3.2.10 [R4] A.3.3.4.1	GPDT2B: X GPDT2CB: X (GPPCCF8 GPPCCF9 GPPCCF13): M GPDT3CB: O.14 GPPCSF4: M GPPCS102: M GPDT4: O	N/A
GPPCS104	Is reception of the GP Notification command in broadcast supported?	[R4] A.3.2.10 [R4] A.3.3.4.1 [R4] A.5.2.1	GPDT2B: X GPDT2CB: X GPPCCF9: M GPDT3CB: X GPPCSF9: M GPDT4: O	N/A
GPPCS105	Is reception of the GP Pairing Search command supported?	[R4] A.3.2.10 [R4] A.3.3.4.2	GPDT2B: X GPDT2CB: X GPPCCF9: O GPDT3CB: X GPDT4: O GPPCSF9: M	N/A
GPPCS106	Is reception of the GP Tunneling Stop command supported?	[R4] A.3.2.10 [R4] A.3.4.4.1	GPDT2B: X GPDT2CB: X GPPCCF5: M GPDT3CB: X GPDT4: O	false
GPPCS107	Is reception of the GP Commissioning Notification command supported?	[R4] A.3.2.10 [R4] A.3.3.4.4	(GPDT2B GPDT2CB) && GPPCCF11: X GPPCCF11: M GPDT3CB: M GPPCSF11: M GPDT4: O	false
GPPCS108	Is reception of the GP Translation Table Update command supported?	[R4] A.3.2.10 [R4] A.3.3.4.6	GPDT2: X GPDT3CB: O GPDT4: O GPPCSF19: M	false
GPPCS109	Is reception of the GP Translation Table Request command supported?	[R4] A.3.2.10 [R4] A.3.3.4.5	GPDT2: X GPDT3CB: O GPDT4: O GPPCSF19: M	false
GPPCS110	Is reception of the GP Pairing Configuration command supported?	[R4] A.3.2.10 [R4] A.3.3.4.7	GPDT2: X GPDT3CB: M GPPCSF4 GPPCSF12 GPPCSF18: M	false
GPPCS111	Is reception of the GP Sink Table Request command supported?	[R4] A.3.3.5.6, A.3.3.4.7	GPDT2B: X GPDT2CB: X GPDT3CB: M GPDT4: O	false
GPPCS112	Is reception of the GP Proxy Table Response command supported?	[R4] A.3.4.3.1, A.3.4.4.2	GPDT2B: O GPDT2CB: O GPDT3CB: O GPDT4: O GPPCS157: M	false
GPPCS113	Is reception of the GP Sink Commissioning Mode command supported?	[R4] A.3.3.4.7, A.3.9.1	GPDT2: X GPDT3: O GPDT4: O	false
GPPCS150	Is transmission of the GP Notification Response command supported?	[R4] A.3.2.10 [R4] A.3.3.5.1	GPDT2: X GPDT3CB: X GPDT4: O GPPCSF5: M	false

Item number	Item description	Reference	Status	Support
GPPCS151A	Is transmission of the GP Response command with SrcID = 0x00000000 in commissioning supported?	[R4] A.3.2.10 [R4] A.3.3.5.4	GPDT2: X GPDT3CB: M GPDT4: O GPPCSF11: M GPPCSF10: O	false
GPPCS151B	Is transmission of the GP Response command with SrcID != 0x00000000 in commissioning supported?	[R4] A.3.2.10 [R4] A.3.3.5.4	GPDT2: X GPDT3CB: M GPDT4: O GPPCSF10 GPPCSF11: M GPPCSF10: M	false
GPPCS151C	Is transmission of the GP Response command with IEEE address and Endpoint in commissioning supported?	[R4] A.3.2.10 [R4] A.3.3.5.4	GPDT2: X GPDT3CB: M GPDT4: O GPPCSF10 GPPCSF11 && GPPCSF20: M	false
GPPCS151D	Is transmission of the GP Response command with SrcID != 0x00000000 in operation supported?	[R4] A.3.2.10 [R4] A.3.3.5.4	GPDT2: X GPDT3CB: X GPDT4: O GPPCSF8 GPPCSF13: M	false
GPPCS151E	Is transmission of the GP Response command with IEEE address and Endpoint in operation supported?	[R4] A.3.2.10 [R4] A.3.3.5.4	GPDT2: X GPDT3CB: X GPDT4: O (GPPCSF8 GPPCSF 13) && GPPCSF20: M	false
GPPCS152	Is transmission of the GP Pairing command supported?	[R4] A.3.2.10 [R4] A.3.3.5.2	GPDT2: X GPDT3CB: M ⁴⁵ GPDT4: O	false
GPPCS153	Is generation of the GP Pairing command with RemoveGPD sub-field set to 0b1 supported?	[R4] A.3.2.10 [R4] A.3.3.5.2	GPDT2: X GPDT3CB: M ⁴⁶ GPDT4: O	false
GPPCS153A	Is generation of the GP Pairing command with RemoveGPD sub-field set to 0b1 upon reception of Decommissioning command in commissioning mode supported?	[R4] A.3.2.10 [R4] A.3.3.5.2	GPDT2: X GPDT3CB: M ⁴⁷ GPDT4: O	false
GPPCS153B	Is generation of the GP Pairing command with RemoveGPD sub-field set to 0b1 upon a local trigger supported?	[R4] A.3.2.10 [R4] A.3.3.5.2	GPDT2: X GPDT3CB: O ⁴⁸ GPDT4: O	false
GPPCS153A	Is generation of the GP Pairing command with RemoveGPD sub-field set to 0b1 upon reception of GP Pairing Configuration command with Action sub-field of the Actions field set to 0b100 (Remove GPD) and Send GP Pairing sub-field of the Actions field set to 0b1?	[R4] A.3.2.10 [R4] A.3.3.5.2	GPDT2: X GPDT3CB: M GPPCSF12: M GPDT4: O	false
GPPCS154	Is transmission of the GP Proxy Commissioning Mode command supported?	[R4] A.3.2.10 [R4] A.3.3.5.3	GPDT2: X GPDT3CB: M ⁴⁹ GPDT4: O GPPCSF11: M	false
GPPCS155	Is transmission of the GP Translation Table Response command supported?	[R4] A.3.2.10 [R4] A.3.3.5.5	GPDT2: X GPDT3CB: O GPPCS109: M GPDT4: O GPPCSF19: M	false
GPPCS156	Is transmission of the GP Sink Table Response command supported?	[R4] A.3.3.5.6, A.3.3.4.7	GPDT2B: X GPDT2CB: X GPDT3CB: M GPDT4: O	false
GPPCS157	Is transmission of the GP Proxy Table Request command supported?	[R4] A.3.4.3.1, A.3.4.4.2	GPDT2B: O GPDT2CB: O GPDT3CB: O GPDT4: O	false

⁴⁵ CCB #2372; Resolution added in 15-02016-007⁴⁶ CCB #2372; Resolution added in 15-02016-007⁴⁷ CCB #2372; Resolution added in 15-02016-007⁴⁸ CCB #2372; Resolution added in 15-02016-007⁴⁹ CCB #2372; Resolution added in 15-02016-007

Item number	Item description	Reference	Status	Support
GPPCS201	Is persistent storage of Sink Table supported?	[R4] A.3.2.10 [R4] A.3.3.2.2	GPDT2: X GPDT3CB: M GPDT4: O	false

11.3.3 Client side

Table 8 – Green Power cluster client capabilities

Item number	Item description	Reference	Status	Support
GPPCC1	Is the Green Power cluster supported as a client?	[R4] A.3.4	GPDT2B: M GPDT2CB: M GPDT3: O GPDT4: O	true
GPPCC2	Is the <i>gppMaxProxyTableEntries</i> attribute supported?	[R4] A.3.4.2.1	GPDT2B: M GPDT2CB: M GPDT3: X GPDT4: O	true
GPPCC3A	Is the Proxy Table attribute supported?	[R4] A.3.4.2.2	GPDT2B: M GPDT2CB: M GPDT3: X GPDT4: O	true
GPPCC3B	Is the required minimal number of entries in the Proxy Table attribute supported? ⁵⁰ Indicate the actual number of entries in the Proxy Table attribute supported by this device.	[R4] A.3.4.2.2 [R10] GPPPIXIT01	GPDT2: 5	true, 100
GPPCC3C	Is the required minimal number of entries in the <i>Lightweight sink address list</i> per Proxy Table entry supported?	[R4] A.3.4.2.2	GPDT2 && GPPCCF6: 2	true
GPPCC3D	Is the required minimal number of entries in the <i>Sink group list</i> per Proxy Table entry supported?	[R4] A.3.4.2.2	GPDT2 && GPPCCF4: 2	true
GPPCC3E	Is the required minimal number of simultaneously used entries in the <i>Lightweight sink address list/Full unicast sink address list</i> and in the <i>Sink group list</i> per Proxy Table entry supported?	[R4] A.3.4.2.2	GPDT2 && (GPPCCF5 GPPCCF6) && (GPPCCF4): 1+1	true
GPPCC3H	Is the required minimal number of entries in the <i>Full unicast sink address list</i> per Proxy Table entry supported?	[R4] A.3.4.2.2	GPDT2 && GPPCCF5: 2	true
GPPCC3F	Is Proxy Table readout via ZCL Read Attributes/Read Attributes Response commands supported?	[R4] A.3.4.2.2.1	GPPCC1: M	true
GPPCC3G	Is Proxy Table readout via GP Proxy Table Request/Response commands supported?	[R4] A.3.4.3.1, A.3.4.4.2	GPPCC1: M	true
GPPCC4	Is the <i>gppNotificationRetryNumber</i> attribute supported?	[R4] A.3.4.2.3	GPDT2B: X GPDT2CB: X GPPCCF5: M GPDT3: X GPDT4: O	false
GPPCC5	Is the <i>gppNotificationRetryTimer</i> attribute supported?	[R4] A.3.4.2.4	GPDT2B: X GPDT2CB: X GPPCCF5: M GPDT3: X GPDT4: O	false
GPPCC6	Is the <i>gppMaxSearchCounter</i> attribute supported?	[R4] A.3.4.2.5	GPDT2B: X GPDT2CB: X GPPCCF9: M GPDT3: X GPDT4: O	false
GPPCC7	Is the <i>gppBlockedSrcID</i> attribute supported?	[R4] A.3.4.2.6	GPDT2B: X GPDT2CB: X GPPCCF9: O GPDT3: X GPDT4: O	false
GPPCC8	Is the <i>gppFunctionality</i> attribute supported?	[R4] A.3.4.2.7	GPDT2B: M GPDT2CB: M GPDT3: X GPDT4: O	true

⁵⁰ 5 is the default minimum number of entries defined by the GP Proxy cluster [R4]. A particular profile adopting the cluster may mandate different value.

Item number	Item description	Reference	Status	Support
GPPCC9	Is the <i>gppActiveFunctionality</i> attribute supported?	[R4] A.3.4.2.8	GPDT2B: M GPDT2CB: M GPDT3: X GPDT4: O	true
GPPCC100	Is transmission of the GP Notification command supported?	[R4] A.3.2.10 [R4] A.3.3.4.1	GPDT2B: M GPDT2CB: M GPDT3CB: X GPDT4: O	true
GPPCC101A	Is transmission of the GP Notification command in full unicast supported?	[R4] A.3.2.10 [R4] A.3.3.4.1	GPDT2B: X GPDT2CB: X GPPCCF5: M GPDT3CB: X GPDT4: O	false
GPPCC101B	Is transmission of the GP Notification command in lightweight unicast supported?	[R4] A.3.2.10 [R4] A.3.3.4.1	GPDT2B: M GPDT2CB: M GPPCCF6: M GPDT3CB: X GPDT4: O	true
GPPCC102	Is transmission of the GP Notification command in derived groupcast supported?	[R4] A.3.2.10 [R4] A.3.3.4.1	GPDT2B: M GPDT2CB: M GPPCCF3: M GPDT3CB: X GPPCSF18: M GPDT4: O	true
GPPCC103	Is transmission of the GP Notification command in commissioned groupcast supported?	[R4] A.3.2.10 [R4] A.3.3.4.1	GPDT2: M GPDT2CB: M GPPCCF4: M GPDT3CB: X GPPCSF18: M GPDT4: O	true
GPPCC104	Is transmission of the GP Notification command in broadcast supported?	[R4] A.3.2.10 [R4] A.3.3.4.1	GPDT2B: X GPDT2CB: X GPDT3CB: X GPPCCF9: M GPDT4: O	false
GPPCC105	Is transmission of the GP Notification command in multiple communication modes supported?	[R4] A.3.2.10 [R4] A.3.5.2.1	GPDT2B: M GPDT2CB: M Any two of (GPPCCF3 GPPCCF4 GPPCCF5 GPPCCF6): M GPDT3CB: X GPPCSF18 && (GPPCCF3 GPPCCF4): M GPDT4: O	true
GPPCC106	Is transmission of the GP Pairing Search command supported?	[R4] A.3.2.10 [R4] A.3.4.2	GPDT2B: X GPDT2CB: X GPDT3CB: X GPPCCF9: M ⁵¹ GPDT4: O	false
GPPCC107	Is transmission of the GP Tunneling Stop command supported?	[R4] A.3.2.10 [R4] A.3.4.4.1	GPDT2B: X GPDT2CB: X GPPCCF5: M GPDT3CB: X GPDT4: O	false
GPPCC108A	Is transmission of the GP Commissioning Notification command with alias, after Dmin, supported?	[R4] A.3.2.10 [R4] A.3.3.4.4	GPDT2B: M GPDT2CB: M GPPCCF11: M GPDT3CB: X GPDT4: O	true

⁵¹ CCB #2372; Resolution added in 15-02016-007

Item number	Item description	Reference	Status	Support
GPPCC108B	Is transmission of the GP Commissioning Notification command without alias, at gppTunnelingDelay supported?	[R4] A.3.2.10 [R4] A.3.3.4.4	(GPDT2B GPDT2CB) && GPPCCF11: M GPPCCF11: M GPDT3CB: X GPDT4: O	true
GPPCC109	Is transmission of the GP Translation Table Update command supported?	[R4] A.3.2.10 [R4] A.3.3.4.5 [R4] A.3.2.5	GPDT2: X GPDT3CB: O ⁵² GPDT4: O	false
GPPCC110	Is transmission of the GP Translation Table Request command supported?	[R4] A.3.2.10 [R4] A.3.3.4.6 [R4] A.3.2.5	GPDT2: X GPDT3CB: O ⁵³ GPDT4: O	false
GPPCC111	Is transmission of the GP Pairing Configuration command supported?	[R4] A.3.2.10 [R4] A.3.3.4.7 [R4] A.3.2.5	GPDT2B: X GPDT2CB: X GPDT3CB: O ⁵⁴ GPDT4: O GPPCSF4 GPPCSF18: M	false
GPPCC112	Is transmission of the GP Proxy Table Response command supported?	[R4] A.3.3.5.6, A.3.3.4.7	GPDT2B: M GPDT2CB: M GPDT3: X GPDT4: O	true
GPPCC113	Is transmission of the GP Sink Table Request command supported?	[R4] A.3.4.3.1, A.3.4.4.2	GPDT2B: O GPDT2CB: O GPDT3CB: O ⁵⁵ GPDT4: O	false
GPPCC114	Is transmission of the GP Sink Commissioning Mode command supported?	[R4] A.3.3.4.7, A.3.9.1	GPDT2: O GPDT3: O ⁵⁶ GPDT4: O	false
GPPCC150	Is reception of the GP Notification Response command supported?	[R4] A.3.2.10 [R4] A.3.3.5.1	GPDT2B: X GPDT2CB: X GPPCCF5: M GPDT3: X GPDT4: O	false
⁵⁷ GPPCC151A	Is reception of the GP Pairing command supported?	[R4] A.3.2.10 [R4] A.3.3.5.2	GPDT2: M GPDT3: X ⁵⁸ GPDT4: O	true
⁵⁹ GPPCC151B	Does the device support checking of the <i>CommunicationMode</i> sub-field of the <i>Options</i> field of the received GP Pairing command?	[R4] A.3.5.2.3	GPPCC151A: M	true
⁶⁰ GPPCC151C	Does the device support checking if its Proxy Table is full on reception of GP Pairing command?	[R4] A.3.5.2.3	GPPCC151A: M	true
GPPCC152	Is reception of the GP Pairing command with <i>RemoveGPD</i> sub-field set to 0b1 supported?	[R4] A.3.2.10 [R4] A.3.3.5.2	GPDT2: M GPDT3: X ⁶¹ GPDT4: O	true
GPPCC153	Is reception of the GP Proxy Commissioning Mode command supported?	[R4] A.3.2.10 [R4] A.3.3.5.3	GPDT2B: M GPDT2CB: M GPPCCF11: M GPDT3CB: O ⁶² GPDT4: O	true

⁵² CCB #2372; Resolution added in 15-02016-007⁵³ CCB #2372; Resolution added in 15-02016-007⁵⁴ CCB #2372; Resolution added in 15-02016-007⁵⁵ CCB #2372; Resolution added in 15-02016-007⁵⁶ CCB #2372; Resolution added in 15-02016-007⁵⁷ CCB #2279 and CCB #2278; resolution modified in 15-02016-008 as a result of Kavi comment #1383 from letter ballot for GP Basic errata set: https://workspace.zigbee.org/higherlogic/ws/groups/PRO_GP/comments/view_comment?comment_id=1383⁵⁸ CCB #2372; Resolution added in 15-02016-007⁵⁹ CCB #2278; resolution modified in 15-02016-008 as a result of Kavi comment #1383 from letter ballot for GP Basic errata set: https://workspace.zigbee.org/higherlogic/ws/groups/PRO_GP/comments/view_comment?comment_id=1383⁶⁰ CCB #2279; resolution modified in 15-02016-008 as a result of Kavi comment #1383 from letter ballot for GP Basic errata set: https://workspace.zigbee.org/higherlogic/ws/groups/PRO_GP/comments/view_comment?comment_id=1383⁶¹ CCB #2372; Resolution added in 15-02016-007⁶² CCB #2372; Resolution added in 15-02016-007

Item number	Item description	Reference	Status	Support
GPPCC154A	Is reception of the GP Response command with SrcID = 0x00000000 in commissioning mode supported?	[R4] A.3.2.10 [R4] A.3.3.5.4	GPDT2B: M GPDT2CB: M GPPCCF11: M GPDT3CB: M GPPCSF10 GPPCSF11 : M GPDT4: O	true
GPPCC154B	Is reception of the GP Response command with SrcID != 0x00000000 in commissioning mode supported?	[R4] A.3.2.10 [R4] A.3.3.5.4	GPDT2B: M GPDT2CB: M GPPCCF11: M GPDT3CB: M GPPCSF10 GPPCSF11: M GPDT4: O	true
GPPCC154C	Is reception of the GP Response command with IEEE address and Endpoint in commissioning mode supported?	[R4] A.3.2.10 [R4] A.3.3.5.4	GPDT2B: M GPDT2CB: M GPPCCF11: M GPDT3CB: M GPPCSF10 GPPCSF11: M GPDT4: O	true
GPPCC154B	Is reception of the GP Response command with SrcID != 0x00000000 in operation supported?	[R4] A.3.2.10 [R4] A.3.3.5.4	GPDT2B: X GPDT2CB: X (GPPCCF8 GPPCCF13): M GPDT3CB: X (GPPCSF7 GPPCSF8 GPPCCF13): M GPDT4: O	false
GPPCC154C	Is reception of the GP Response command with IEEE address and Endpoint in operation supported?	[R4] A.3.2.10 [R4] A.3.3.5.4	GPDT2B: X GPDT2CB: X (GPPCCF8 GPPCCF13): M GPDT3CB: X (GPPCSF7 GPPCSF8 GPPCCF13): M GPDT4: O	false
GPPCC155	Is reception of the GP Translation Table Response command supported?	[R4] A.3.2.10 [R4] A.3.3.5.5 [R4] A.3.2.5	GPDT2: X GPDT3CB: O GPPCC110: M ⁶³ GPDT4: O	false
GPPCC156	Is reception of the GP Proxy Table Request command supported?	[R4] A.3.3.5.6, A.3.3.4.7	GPDT2B: M GPCT2CB: M GPDT3: X GPDT4: O	true
GPPCC157	Is reception of the GP Sink Table Response command supported?	[R4] A.3.4.3.1, A.3.4.4.2	GPDT2: X GPDT3: O GPDT4: O GPPCC113: M	false
GPPCC200	Is persistent storage of Proxy Table supported?	[R4] A.3.4.2.2	GPPCC3A: M	true
GPPCC201	Is handling of Proxy Table entries with status other than active and valid supported?	[R4] A.3.5.2.2	GPDT2B: X GPDT2CB: X GPDT3: X GPDT4: O GPPCCF9: M	false
GPPCC202	Is passive discovery supported?	[R4] A.3.5.2.2.3	GPDT2B: X GPDT2CB: X GPDT3: X GPDT4: O GPPCCF9: M	false
GPPCC2034	Is active discovery supported?	[R4] A.3.5.2.2.4	GPDT2B: X GPDT2CB: X GPDT3: X GPDT4: O GPPCCF9: M	false

⁶³ CCB #2372; Resolution added in 15-02016-007

Item number	Item description	Reference	Status	Support
GPPCC204	Is active re-discovery supported?	[R4] A.3.5.2.2.5	GPDT2B: X GPDT2CB: X GPDT3: X GPDT4: O GPPCCF9: M	false
GPPCC205	Is limiting the number of the transmitted Green Power cluster messages supported?	[R4] A.3.6.3.1, A.3.6.3.3	GPDT2B: M GPDT2CB: M GPDT3CB: X (GPPCSF18 && (GPPCSF7 GPPCSF8)): M GPDT4: O	true
GPPCC205A	Is quality-based gppTunnelingDelay supported?	[R4] A.3.6.3.1 [R4] A.3.2.8, [R4] A.3.2.9	(GPDT2B GPDT2CB) && GPPCCF11: M GPPCCF5 GPPCCF8 GPPCCF9 GPPCCF11 GPPCCF13: M (GPPCCF3 GPPCCF4 GPPCCF6) && !(GPPCCF5 GPPCCF8 GPPCCF9 GPPCCF11 GPPCCF13) : X GPDT3CB: X (GPPCSF18 && (GPPCSF7 GPPCSF8)): M GPDT4: O	true
GPPCC205B	Is dropping the scheduled Green Power cluster message on reception of equivalent message supported?	[R4] A.3.6.3.1 [R4] A.3.2.8, [R4] A.3.2.9	GPDT2B && GPPCCF11: X GPDT2CB && GPPCCF11: X GPPCCF5 GPPCCF8 GPPCCF9 GPPCCF11 GPPCCF13: M (GPPCCF3 GPPCCF4 GPPCCF6) && !(GPPCCF5 GPPCCF8 GPPCCF9 GPPCCF11 GPPCCF13) : X GPDT3CB: X (GPPCSF18 && (GPPCSF7 GPPCSF8)): M GPDT4: O	false
GPPCC205C	Is transmission of Green Power cluster commands with alias supported?	[R4] A.3.6.3.3 [R4] A.3.2.8, [R4] A.3.2.9	GPDT2B: M GPDT2CB: M GPPCCF3 GPPCCF4 GPPCCF5 GPPCCF11: M GPDT3CB: X GPPCSF18: M GPDT4: O	true
GPPCC206	Is updating <i>Lightweight sink address list</i> and <i>Full unicast sink address list</i> field of the Proxy Table attribute on reception of Device_annce supported?	[R4] A.3.5.2.1	GPDT2B: M GPDT2CB: M GPPCC3A&&(GPPCCF5 GPPCCF6): M GPDT3: N/A GPDT4: O	true

11.3.4 Support of GP functionality

11.3.4.1 Bidirectional operation

Table 9 – Support for Green Power bidirectional operation

Item number	Item description	Reference	Status	Support
GPF101	Is transmission of GPD Read Attributes command supported?	[R4] A.4.2.5 [R4] A.3.6.1.5	GPPCCF8: M.9 ⁶⁴ GPPCSF7 GPPCSF8: O	false
GPF102	Is reception of GPD Read Attributes command supported?	[R4] A.4.2.5 [R4] A.3.6.1.5	GPPCCF8: M.16 GPPCSF7 GPPCSF8: X	false

⁶⁴ M.16: Note: the bidirectional operation is transparent to the proxy. It just needs to act add the command received in GP Response to its gpTxQueue and send it upon reception of GPDF frame with *RxAfterTx* set; it doesn't care about the type of the command.

Item number	Item description	Reference	Status	Support
GPF103	Is transmission of GPD Read Attributes Response supported?	[R4] A.4.2.5 [R4] A.3.6.1.5	GPPCCF8: M.16 GPPCSF7 GPPCSF8: X	false
GPF104	Is reception of GPD Read Attributes Response command supported?	[R4] A.4.2.5 [R4] A.3.6.1.5	GPPCCF8: M.16 (GPPCSF7 GPPCSF8)&&GPF101 : M	false
GPF105	Is transmission of GPD Request Attributes command supported?	[R4] A.4.2.5 [R4] A.3.6.1.5	GPPCCF8: M.16 GPPCSF7 GPPCSF8: X	false
GPF106	Is reception of GPD Request Attributes command supported?	[R4] A.4.2.5 [R4] A.3.6.1.5	GPPCCF8: M.16 GPPCSF7 GPPCSF8: M	false
GPF107	Is transmission of GPD Write Attributes command supported?	[R4] A.4.2.5 [R4] A.3.6.1.5	GPPCCF8: M.16 GPPCSF7 GPPCSF8: O	false
GPF108	Is reception of GPD Write Attributes command supported?	[R4] A.4.2.5 [R4] A.3.6.1.5	GPPCCF8: M.16 GPPCSF7 GPPCSF8: X	false
GPF109	Is transmission of GPD ZCL Tunneling command (0xF6) supported?	[R4] A.4.2.3.5	GPPCCF8: M.16 (GPPCSF7 GPPCSF8)&& GPDRXA6: M	false
GPF110	Is reception of GPD ZCL Tunneling command (0xF6) supported?	[R4] A.4.2.3.5	GPPCCF8: M.16 GPPCSF7 GPPCSF8: X	false
GPF111	List the functionality accessible via GPD ZCL Tunneling command. List the ZCL generic command, with the corresponding ClusterID(s) and AttributeID(s), if any. List the cluster-specific CommandIDs per ZCL-defined Cluster, if any. Manufacturer-specific functionality doesn't have to be listed.	[R10] GPSPIXIT07 , GPSPIXIT08	GPF109: M	false

11.3.4.2 Green Power Commissioning Support

Table 10 – GP Commissioning Support

Item number	Item description	Reference	Status	Support
GPCF1	Does the device support pairing with Data GPDF with Auto-Commissioning bit set to 0b1? <i>Note: According to the current version of the specification, only GPD that support <code>gpdSecurityLevel = 0b10</code> or higher AND support TC-LK protection of the GPD key, if exchanged over the air, can be certified.</i>	[R4] A.3.9	GPPCCF11: M (GPPCSF10 GPPCSF11): O GPPCSF14: M ⁶⁵ GPDT4: O	true
GPCF2	Does the device support pairing with Commissioning GPDF?	[R4] A.3.9	GPPCCF11: M (GPPCSF10 GPPCSF11): : M ⁶⁶ GPDT4: O	true
GPCF3A	Does the device support transmission of GPD Commissioning command?	[R4] A.4.2.1.1	GPDT1: X	false
GPCF3B	Does the device support reception of GPD Commissioning command?	[R4] A.4.2.1.1	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁶⁷ GPDT4: O	true
GPCF4	Does the device support bidirectional communication in commissioning mode?	[R4] A.3.9	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁶⁸ GPDT4: O	true
GPCF5A	Does the device support transmission of the GPD Channel Request command in commissioning mode?	[R4] A.3.9	GPDT1: X	false
GPCF5B	Does the device support reception of the GPD Channel Request command in commissioning mode?	[R4] A.3.9	GPPCCF11: M (GPPCSF10 GPPCSF11): M	true
GPCF6	Does the device support transmission of the GPD Channel Configuration command?	[R4] A.3.9	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁶⁹ GPDT4: O	true

⁶⁵ CCB #2372; Resolution added in 15-02016-007

⁶⁶ CCB #2372; Resolution added in 15-02016-007

⁶⁷ CCB #2372; Resolution added in 15-02016-007

⁶⁸ CCB #2372; Resolution added in 15-02016-007

⁶⁹ CCB #2372; Resolution added in 15-02016-007

Item number	Item description	Reference	Status	Support
GPCF6A	Does the device support transmission of the GPD Channel Configuration command in commissioning mode, as a Maintenance frame?	[R4] A.3.9	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁷⁰ GPDT4: O	true
GPCF6B	Does the device support transmission of the GPD Channel Configuration command in operational mode, as a Data frame?	[R4] A.3.9	GPPCCF8 GPPCCF13: M GPPCSF13: M GPDT4: O	false
GPCF7	Does the device support reception of the GPD Channel Configuration command?	[R4] A.3.9	GPDT1: X	false
GPCF8	Does the device support transmission of the GPD Commissioning Reply command?	[R4] A.4.2.1.2	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁷¹ GPDT4: O	true
GPCF8A	Does the device support transmission of the GPD Commissioning Reply command in commissioning mode?	[R4] A.4.2.1.2	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁷² GPDT4: O	true
GPCF8B	Does the device support transmission of the GPD Commissioning Reply command in operational mode?	[R4] A.4.2.1.2	GPPCCF8 GPPCCF13: M GPPCSF13: M GPDT4: O	false
GPCF9	Does the device support reception of the GPD Commissioning Reply command?	[R4] A.4.2.1.2	GPDT1: X	false
GPCF10	Is GPD removal via GPD Decommissioning command supported?	[R4] A.4.2.1.3	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁷³ GPDT4: O	true
GPCF11	Does the device come with pre-configured GPD key?	[R4] A.3.9	GPDT1: X	false
GPCF12A	Does the device support GPD key exchange in GPD Commissioning command?	[R4] A.3.9	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁷⁴ GPDT4: O	true
GPCF12B	Does the device support exchange of encrypted GPD key in GPD Commissioning command?	[R4] A.3.9	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁷⁵ GPDT4: O	true
GPCF13A	Does the device support GPD key exchange in GPD Commissioning Reply command?	[R4] A.3.9	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁷⁶ GPDT4: O	true
GPCF13B	Does the device support exchange of encrypted GPD key in GPD Commissioning Reply command?	[R4] A.3.9	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁷⁷ GPDT4: O	true
GPCF14	Does the device support out-of-band GPD key configuration?	[R4] A.3.9	GPDT2: O GPDT3: O GPDT4: O	false
GPCF15A	Does the device support transmission of GPD Success command in commissioning mode?	[R4] A.3.9	GPDT1: X	false
GPCF15B	Does the device support reception of GPD Success command in commissioning mode?	[R4] A.3.9	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁷⁸ GPDT4: O	true
GPCF16	Does the device support in-band configuration of PANId (via GPD Commissioning Reply command)?	[R4] A.3.9	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁷⁹ GPDT4: O	true
GPCF17	Does the device support transmission of GPD Commissioning command with Application information?	[R4] A.4.2.1.1	GPDT1: X	false
GPCF17A	Does the device support transmission of the GPD Commissioning command with the ModelID? If YES, specify the ModelID used.	[R4] A.4.2.1.1	GPDT1: X	false

⁷⁰ CCB #2372; Resolution added in 15-02016-007⁷¹ CCB #2372; Resolution added in 15-02016-007⁷² CCB #2372; Resolution added in 15-02016-007⁷³ CCB #2372; Resolution added in 15-02016-007⁷⁴ CCB #2372; Resolution added in 15-02016-007⁷⁵ CCB #2372; Resolution added in 15-02016-007⁷⁶ CCB #2372; Resolution added in 15-02016-007⁷⁷ CCB #2372; Resolution added in 15-02016-007⁷⁸ CCB #2372; Resolution added in 15-02016-007⁷⁹ CCB #2372; Resolution added in 15-02016-007

Item number	Item description	Reference	Status	Support
GPCF17B	Does the device support transmission of the GPD Commissioning command with the ManufacturerID? If YES, specify the ManufacturerID used.	[R4] A.4.2.1.1	GPDT1: X	false
GPCF17C	Does the device support transmission of the GPD Commissioning command with the GPD command list containing GPD-defined commands? If YES, list the GPD commands used.	[R4] A.4.2.1.1	GPDT1: X	false
GPCF17D	Does the device support transmission of the GPD Commissioning command with the GPD command list containing manufacturer-defined commands? If YES, list the GPD commands used.	[R4] A.4.2.1.1	GPDT1: X	false
GPCF17E	Does the device support transmission of the GPD Commissioning command with the Cluster list containing ZCL-defined clusters? If YES, list the ZCL clusters used.	[R4] A.4.2.1.1	GPDT1: X	false
GPCF17F	Does the device support transmission of the GPD Commissioning command with the Cluster list containing manufacturer-specific clusters? If YES, list the GPD commands used.	[R4] A.4.2.1.1	GPDT1: X	false
GPCF17G	Does the device support transmission of the GPD Commissioning command with the Switch Information?	[R4] A.4.2.1.1	GPDT1: X	false
GPCF18	Does the device support reception of GPD Commissioning command with Application information?	[R4] A.4.2.1.1	GPCF3B: O	true
GPCF18A	Does the device support reception of the GPD Commissioning command with the ModelID?	[R4] A.4.2.1.1	GPCF18: M	true
GPCF18B	Does the device support reception of the GPD Commissioning command with the ManufacturerID? If yes, list the ManufacturerID supported.	[R4] A.4.2.1.1 [R10] GPSPIXIT02	GPCF18: M	true
GPCF18C	Does the device support reception of the GPD Commissioning command with the GPD command list containing GPD-defined commands? If yes, list the GPD commands supported.	[R4] A.4.2.1.1 [R10] GPSPIXIT03	GPCF18: M	true
GPCF18D	Does the device support reception of the GPD Commissioning command with the GPD command list containing manufacturer-defined GPD commands? If yes, list the GPD commands supported.	[R4] A.4.2.1.1 [R10] GPSPIXIT04	GPCF18: M	true
GPCF18E	Does the device support reception of the GPD Commissioning command with the Cluster list containing ZCL-defined clusters? If yes, list the ZCL clusters controllable via GP.	[R4] A.4.2.1.1 [R10] GPSPIXIT05	GPCF18: M	true
GPCF18F	Does the device support reception of the GPD Commissioning command with the Cluster list containing manufacturer-specific clusters? If yes, list the manufacturer-specific clusters controllable via GP.	[R4] A.4.2.1.1 [R10] GPSPIXIT06	GPCF18: M	true
GPCF18G	Does the device support reception of the GPD Commissioning command with the Switch Information?	[R4] A.4.2.1.1	GPS17: M	false
GPCF19	Does the device support automatic progressing between the commissioning steps?	[R4] A.3.9.1	GPDT1: X	false
GPCF20	Does the device support transmission of the GPD Application Description command?	[R4] A.3.9.1, A.4.2.1.6	GPDT1: X	false
GPCF21	Does the device support reception of the GPD Application Description command?	[R4] A.3.9.1, [R4] A.4.2.1.6	⁸⁰ GPS16: M ⁸¹ GPPCCF11: M	true
⁸² GPCF22	Does the GPD support subsequent commissioning?	[R4] A.3.9.1	GPDT1: X	false

⁸⁰ Comment #785 from GP multi-sensor v0.7 letter ballot⁸¹ Comment #1374 from GP multi-sensor v1.0 WG ballot;⁸² Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1025

Item number	Item description	Reference	Status	Support
GPCF22A	Does the GPD supporting bidirectional commissioning with OOB key implement the subsequent commissioning as full bidirectional procedure?	[R4] A.3.9.1	GPDT1: X	false
GPCF22B	Does the GPD supporting bidirectional commissioning with OOB key implement the subsequent commissioning as simplified unidirectional procedure?	[R4] A.3.9.1	GPDT1: X	false
GPCF22C	Does the GPD supporting bidirectional commissioning with shared key implement the subsequent commissioning as full bidirectional procedure?	[R4] A.3.9.1	GPDT1: X	false
GPCF22D	Does the GPD supporting bidirectional commissioning with shared key implement the subsequent commissioning as simplified unidirectional procedure?	[R4] A.3.9.1	GPDT1: X	false
GPCF22E	Does the GPD supporting unidirectional commissioning implement the subsequent commissioning as full unidirectional procedure?	[R4] A.3.9.1	GPDT1: X	false
GPCF22F	Does the GPD supporting unidirectional commissioning implement the subsequent commissioning as simplified unidirectional procedure?	[R4] A.3.9.1	GPDT1: X	false
⁸³ GPCF23	Does the device support subsequent commissioning?	[R4] A.3.9.1	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁸⁴ GPDT4: O	true
GPCF23A	Does the device supporting bidirectional commissioning with OOB key implement the subsequent commissioning as full bidirectional procedure?	[R4] A.3.9.1	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁸⁵ GPDT4: O	true
GPCF23B	Does the device supporting bidirectional commissioning with OOB key implement the subsequent commissioning as simplified unidirectional procedure?	[R4] A.3.9.1	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁸⁶ GPDT4: O	true
GPCF23C	Does the device supporting bidirectional commissioning with shared key implement the subsequent commissioning as full bidirectional procedure?	[R4] A.3.9.1	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁸⁷ GPDT4: O	true
GPCF23D	Does the device supporting bidirectional commissioning with shared key implement the subsequent commissioning as simplified unidirectional procedure?	[R4] A.3.9.1	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁸⁸ GPDT4: O	true
GPCF23E	Does the device supporting unidirectional commissioning implement the subsequent commissioning as full unidirectional procedure?	[R4] A.3.9.1	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁸⁹ GPDT4: O	true
GPCF23F	Does the device supporting unidirectional commissioning implement the subsequent commissioning as simplified unidirectional procedure?	[R4] A.3.9.1	GPPCCF11: M GPPCSF10 GPPCSF11: M ⁹⁰ GPDT4: O	true
⁹¹ GPCF24A	Does the device support handling of unprotected GPDP with GPD CommandIDs from the range 0xE4 – 0xEF in commissioning mode (forwarding using GP Commissioning Notification, responding with GPDP buffered in <i>gpTxQueue</i>)?	[R4] A.3.9.1	GPPCCF11: M	true
⁹² GPCF24B	Does the device support handling of unprotected GPDP with GPD CommandIDs from the manufacturer-specific range 0xB0 – 0xBF in commissioning mode (forwarding using GP Commissioning Notification, responding with GPDP buffered in <i>gpTxQueue</i>)?	[R4] A.3.9.1	GPPCCF11: M	true

⁸³ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1025

⁸⁴ CCB #2372; Resolution added in 15-02016-007

⁸⁵ CCB #2372; Resolution added in 15-02016-007

⁸⁶ CCB #2372; Resolution added in 15-02016-007

⁸⁷ CCB #2372; Resolution added in 15-02016-007

⁸⁸ CCB #2372; Resolution added in 15-02016-007

⁸⁹ CCB #2372; Resolution added in 15-02016-007

⁹⁰ CCB #2372; Resolution added in 15-02016-007

⁹¹ CCB #2447; resolution modified in 15-02016-008 as a result of Kavi comment #1383 from letter ballot for GP Basic errata set:

https://workspace.zigbee.org/higherlogic/ws/groups/PRO_GP/comments/view_comment?comment_id=1383

⁹² CCB #2447; resolution modified in 15-02016-008 as a result of Kavi comment #1383 from letter ballot for GP Basic errata set:

https://workspace.zigbee.org/higherlogic/ws/groups/PRO_GP/comments/view_comment?comment_id=1383

Item number	Item description	Reference	Status	Support
⁹³ GPCF24C	Does the device support sending of unprotected GPDP with GPD CommandIDs from the range 0xF7 – 0xFF and <i>Direction</i> sub-field of the <i>Extended NWK Frame Control</i> field set to 0b1, after receiving it in a GP Response command in commissioning mode?	[R4] A.3.9.1	GPPCCF11: M	true
⁹⁴ GPCF24D	Does the device support sending of unprotected GPDP with GPD CommandIDs from the range 0xB0 – 0xBF and <i>Direction</i> sub-field of the <i>Extended NWK Frame Control</i> field set to 0b1, after receiving it in a GP Response command in commissioning mode?	[R4] A.3.9.1	GPPCCF11: M	true
GPCF100	Is writing into Sink Table attribute via generic ZCL command supported during commissioning mode?	[R4] A.3.3.2	GPPCCF12: N/A GPPCSF12: X GPDT4: X	false
GPCF101	Is writing into Sink Table attribute via generic ZCL command supported during operational mode?	[R4] A.3.3.2	GPPCCF12: N/A GPPCSF12: X GPDT4: X	false
GPCF102	Is writing into Proxy Table attribute via generic ZCL command supported during commissioning mode?	[R4] A.3.4.2	GPPCCF12: X GPPCSF12: N/A GPDT4: X	false
GPCF103	Is writing into Proxy Table attribute via generic ZCL command supported during operational mode?	[R4] A.3.4.2	GPPCCF12: X GPPCSF12: N/A GPDT4: X	false

⁹³ CCB #2447; resolution modified in 15-02016-008 as a result of Kavi comment #1383 from letter ballot for GP Basic errata set: https://workspace.zigbee.org/higherlogic/ws/groups/PRO_GP/comments/view_comment?comment_id=1383

⁹⁴ CCB #2447; resolution modified in 15-02016-008 as a result of Kavi comment #1383 from letter ballot for GP Basic errata set: https://workspace.zigbee.org/higherlogic/ws/groups/PRO_GP/comments/view_comment?comment_id=1383

11.4 GPS application functionality

11.4.1 GPS device description support

In Table 11, device descriptions for the GPS (GPDT3, i.e. GPDT3t, GPDT3t+, GPDT3c and GPDT3CB) are given.

These PICS items are not applicable to the other GP device types (i.e. GPDT0: X, GPDT1: X, GPDT2: X, GPDT4: X).

Table 11 – GPS device description support

Item number	Item description	Reference	Status	Support
GPS1A	Is the product programmed with support for GP Simple generic 1-state switch functionality?	[R4] A.4.3	GPDT3: O.17 ⁹⁵	false
GPS1B	Is the product programmed with support for GP Simple generic 2-state switch functionality?	[R4] A.4.3	GPDT3: O.17	false
GPS2	Is the product programmed with (GP-controllable) server-side On/Off cluster?	[R4] A.4.3	GPDT3: O.17	false
GPS3	Is the product programmed with (GP-controllable) server-side Level Control cluster?	[R4] A.4.3	GPDT3: O. 17	false
GPS4	Is the product programmed with (GP-controllable) client-side Binary Input cluster?	[R4] A.4.3	GPDT3: O. 17	false
GPS5	Is the product programmed with (GP-controllable) server-side Color control cluster?	[R4] A.4.3	GPDT3: O. 17	false
GPS6	Is the product programmed with (GP-controllable) client-side Illuminance Measurement cluster?	[R4] A.4.3	GPDT3: O. 17	false
GPS7	Is the product programmed with (GP-controllable) client-side Occupancy Sensing cluster?	[R4] A.4.3	GPDT3: O. 17	false
GPS8	Is the product programmed with (GP-controllable) server-side Door Lock cluster?	[R4] A.4.3	GPDT3: O. 17	false
GPS9	Is the product programmed with (GP-controllable) client-side Temperature measurement cluster?	[R4] A.4.3	GPDT3: O. 17	false
GPS10	Is the product programmed with (GP-controllable) client-side Pressure Measurement cluster?	[R4] A.4.3	GPDT3: O. 17	false
GPS11	Is the product programmed with (GP-controllable) client-side Flow Measurement cluster?	[R4] A.4.3	GPDT3: O. 17	false
GPS12	Is the product programmed with (GP-controllable) client-side Relative Humidity Measurement cluster?	[R4] A.4.3	GPDT3: O. 17	false
GPS14A	Is the product programmed with support for GP Advanced generic 1-state switch functionality?	[R4] A.4.3	GPDT3: O.17	false
GPS14B	Is the product programmed with support for GP Advanced generic 2-state switch functionality?	[R4] A.4.3	GPDT3: O.17	false
GPS15	Is the product programmed with support for other GP functionality?	[R4] A.4.3.1	GPDT3: O.17	false
GPS15A	What manufacturer-defined GPD commands does the product support? List ManufacturerID and GPD CommandIDs.	[R4] A.4.3.1 [R10] GPSPIXIT04	GPS15: O.35 ⁹⁶	false
GPS15B	What additional GP-controllable clusters does the product support? List (public) ZCL ClusterIDs,	[R4] A.4.3.1 [R10] GPSPIXIT05	GPS15: O.35	false
GPS15C	What manufacturer-specific GP-controllable clusters does the product support? List ManufacturerID and GPD ClusterIDs.	[R4] A.4.3.1 [R10] GPSPIXIT06	GPS15: O.35	false

⁹⁵ O.17: Device Under Test SHALL support at least one of those options.

⁹⁶ O.35: Device Under Test SHALL support at least one of those options.

GPS16	Is the product programmed with support for any standard ZCL cluster using GPD Compact Attribute Reporting functionality? If yes, list all standard ZCL ClusterIDs supported ⁹⁷ via GPD Compact Attribute Reporting functionality:	[R4] A.4.2.3.6 [R10] GPSPIXIT09	GPDT3: O ⁹⁸ GPS6 GPS7 GPS9 GPS12: M GPPCSF21: M	false
⁹⁹ GPS16B	Is the product capable of buffering at least the minimum number of 1 GPD Application Description command and forwarding it as GPD Pairing Configuration commands with <i>Action</i> = 0b101 in case of <i>gpsCommunicationMode</i> = pre-commissioned group? What number of GPD Application Description commands can be buffered (<i>MultiSensorCommissioningBufferSize</i>)?	[R4] A.4.2.3.6 [R4] A.3.9.1 [R10] GPSPIXIT10	GPS16 && GPPCSF4 && GPPCSF12: M ¹⁰⁰ GPPCSF21: M	false
GPS17	Is the product programmed with support for GP Generic 8-contact switch functionality?	[R4] A.4.3.1	GPDT3: O.17 ¹⁰¹ GPS1A GPS1B: M GPS2: M GPS3: M ¹⁰² GPS14A GPS14B: M Any of GPDRX10 - GPDRX1f: M ¹⁰³ GPS18: M	false
GPS17A	Is the product programmed with support for other GP Generic 8-contact switch functionality indicating <i>Switch type</i> : generic in Commissioning GPDF?	[R4] A.4.2.1.1.10	GPS17: M	false
GPS17B	Is the product programmed with support for other GP Generic 8-contact switch functionality indicating <i>Switch type</i> : button in Commissioning GPDF?	[R4] A.4.2.1.1.10	GPS17: M	false
GPS17C	Is the product programmed with support for other GP Generic 8-contact switch functionality indicating <i>Switch type</i> : rocker in Commissioning GPDF?	[R4] A.4.2.1.1.10	GPS17: M	false
¹⁰⁴ GPS18	Is the product programmed with (GP-controllable) server-side Window Covering cluster?	[R4] A.4.3	GPDT3: O. 17	false

11.4.2 GPD command support by GPS

Note: all the commands below are transparent to GPP, thus GPDT2: X. For GPDT0: X.

Table 12 – GPD commands support - reception

Item number	Item description	Reference	Status	Support
GPDRX10	Is reception of GPD Recall Scene 0 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O	false
GPDRX11	Is reception of GPD Recall Scene 1 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O	false
GPDRX12	Is reception of GPD Recall Scene 2 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O	false
GPDRX13	Is reception of GPD Recall Scene 3 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O	false
GPDRX14	Is reception of GPD Recall Scene 4 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O	false

⁹⁷ Comment #774 from GP multi-sensor v0.7 letter ballot

⁹⁸ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1014

⁹⁹ GP multi-sensor v0.9 LB comment #973: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=973

¹⁰⁰ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1014

¹⁰¹ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1014

¹⁰² Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1014

¹⁰³ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013

¹⁰⁴ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013

Item number	Item description	Reference	Status	Support
GPDRX15	Is reception of GPD Recall Scene 5 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O	false
GPDRX16	Is reception of GPD Recall Scene 6 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O	false
GPDRX17	Is reception of GPD Recall Scene 7 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O	false
GPDRX18	Is reception of GPD Store Scene 0 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O GPDRX10: O	false
GPDRX19	Is reception of GPD Store Scene 1 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O GPDRX11: O	false
GPDRX1a	Is reception of GPD Store Scene 2 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O GPDRX12: O	false
GPDRX1b	Is reception of GPD Store Scene 3 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O GPDRX13: O	false
GPDRX1c	Is reception of GPD Store Scene 4 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O GPDRX14: O	false
GPDRX1d	Is reception of GPD Store Scene 5 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O GPDRX15: O	false
GPDRX1e	Is reception of GPD Store Scene 6 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O GPDRX16: O	false
GPDRX1f	Is reception of GPD Store Scene 7 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT3: O GPDRX17: O	false
GPDRX20	Is reception of GPD Off command supported?	[R4] A.4.3 [R4] A.4.1	GPS2: O.20105	false
GPDRX21	Is reception of GPD On command supported?	[R4] A.4.3 [R4] A.4.1	GPS2 && GPDRX21: M	false
GPDRX22	Is reception of GPD Toggle command supported?	[R4] A.4.3 [R4] A.4.1	GPS2: O.20	false
GPDRX23	Is reception of GPD Release command supported?	[R4] A.4.3 [R4] A.4.1	GPS2: M	false
¹⁰⁶ GPDRX30	Is reception of GPD Move up command supported?	[R4] A.4.3 [R4] A.4.2.4	GPS3: O.21107 ¹⁰⁸ GPS18: O.21 GPDRX31: M	false
¹⁰⁹ GPDRX31	Is reception of GPD Move Down command supported?	[R4] A.4.3 [R4] A.4.2.4	GPS3: O.21 ¹¹⁰ GPS18: O.21GPDRX30: M	false
¹¹¹ GPDRX32	Is reception of GPD Step Up command supported?	[R4] A.4.3 [R4] A.4.2.4	GPS3: O.21 ¹¹² GPS18: O.21 GPDRX33: M	false

¹⁰⁵ O.20: Device Under Test SHALL support exactly one of those options.¹⁰⁶ CCB #2198; Resolution added in 15-02016-003;¹⁰⁷ O.21: Device Under Test SHALL support at least one of those options.¹⁰⁸ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013¹⁰⁹ CCB #2198; Resolution added in 15-02016-003;¹¹⁰ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013¹¹¹ CCB #2198; Resolution added in 15-02016-003;¹¹² Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013

Item number	Item description	Reference	Status	Support
¹¹³ GPDRX33	Is reception of GPD Step Down command supported?	[R4] A.4.3 [R4] A.4.2.4	GPS3: O.21 ¹¹⁴ GPS18: O.21 GPDRX32: M	false
¹¹⁵ GPDRX34	Is reception of GPD Stop command supported?	[R4] A.4.3 [R4] A.4.1	GPS3: O.21 ¹¹⁶ GPS18: O.21 (GPDRX30 GPDRX31 GPDRX35 GPDRX36): M	false
¹¹⁷ GPDRX35	Is reception of GPD Move Up (with On/Off) command supported?	[R4] A.4.3 [R4] A.4.2.4	GPS3: O.21 ¹¹⁸ GPS18: O.21 GPDRX36: M	false
¹¹⁹ GPDRX36	Is reception of GPD Move Down (with On/Off) command supported?	[R4] A.4.3 [R4] A.4.2.4	GPS3: O.21 ¹²⁰ GPS18: O.21 GPDRX35: M	false
¹²¹ GPDRX37	Is reception of GPD Step Up (with On/Off) command supported?	[R4] A.4.3 [R4] A.4.2.4	GPS3: O.21 ¹²² GPS18: O.21 GPDRX38: M	false
¹²³ GPDRX38	Is reception of GPD Step Down (with On/Off) command supported?	[R4] A.4.3 [R4] A.4.2.4	GPS3: O.21 ¹²⁴ GPS18: O.21 GPDRX37: M	false
GPDRX40	Is reception of GPD Move Hue ¹²⁵ Stop command supported?	[R4] A.4.3 [R4] A.4.2.5	GPS5: O.22126 ¹²⁷ (GPDRX41 GPDRX42): M	false
¹²⁸ GPDRX41	Is reception of GPD Move Hue Up command supported?	[R4] A.4.3 [R4] A.4.2.5	GPS5: O.22 GPDRX42: M	false
¹²⁹ GPDRX42	Is reception of GPD Move Hue Down command supported?	[R4] A.4.3 [R4] A.4.2.5	GPS5: O.22 GPDRX41: M	false
¹³⁰ GPDRX43	Is reception of GPD Step Hue Up command supported?	[R4] A.4.3 [R4] A.4.2.5	GPS5: O.22 GPDRX44: M	false
¹³¹ GPDRX44	Is reception of GPD Step Hue Down command supported?	[R4] A.4.3 [R4] A.4.2.5	GPS5: O.22 GPDRX43: M	false
¹³² GPDRX45	Is reception of GPD Move Saturation ¹³³ Stop command supported?	[R4] A.4.3 [R4] A.4.2.5	GPS5: O.22 (GPDRX46 GPDRX47): M	false
¹³⁴ GPDRX46	Is reception of GPD Move Saturation Up command supported?	[R4] A.4.3 [R4] A.4.2.5	GPS5: O.22 GPDRX47: M	false
¹³⁵ GPDRX47	Is reception of GPD Move Saturation Down command supported?	[R4] A.4.3 [R4] A.4.2.5	GPS5: O.22 GPDRX46: M	false

¹¹³ CCB #2198; Resolution added in 15-02016-003;¹¹⁴ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013¹¹⁵ CCB #2198; Resolution added in 15-02016-003;¹¹⁶ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013¹¹⁷ CCB #2198; Resolution added in 15-02016-003;¹¹⁸ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013¹¹⁹ CCB #2198; Resolution added in 15-02016-003;¹²⁰ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013¹²¹ CCB #2198; Resolution added in 15-02016-003;¹²² Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013¹²³ CCB #2198; Resolution added in 15-02016-003;¹²⁴ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013¹²⁵ https://workspace.zigbee.org/kws/groups/PRO_GP/comments?clear=1&workgroup_id=46, added in 15-02016-r004¹²⁶ O.22: Device Under Test SHALL support at least one of those options.¹²⁷ CCB #2198; Resolution added in 15-02016-003;¹²⁸ CCB #2198; Resolution added in 15-02016-003;¹²⁹ CCB #2198; Resolution added in 15-02016-003;¹³⁰ CCB #2198; Resolution added in 15-02016-003;¹³¹ CCB #2198; Resolution added in 15-02016-003;¹³² CCB #2198; Resolution added in 15-02016-003;¹³³ https://workspace.zigbee.org/kws/groups/PRO_GP/comments?clear=1&workgroup_id=46, added in 15-02016-r004¹³⁴ CCB #2198; Resolution added in 15-02016-003;¹³⁵ CCB #2198; Resolution added in 15-02016-003;

Item number	Item description	Reference	Status	Support
¹³⁶ GPDRX48	Is reception of GPD Step Saturation Up command supported?	[R4] A.4.3 [R4] A.4.2.5	GPS5: O.22 GPDRX49: M	false
¹³⁷ GPDRX49	Is reception of GPD Step Saturation Down command supported?	[R4] A.4.3 [R4] A.4.2.5	GPS5: O.22 GPDRX48: M	false
GPDRX4a	Is reception of GPD Move Color command supported?	[R4] A.4.3 [R4] A.4.2.5	GPS5: O.22	false
GPDRX4b	Is reception of GPD Step Color command supported?	[R4] A.4.3 [R4] A.4.2.5	GPS5: O.22	false
GPDRX50	Is reception of GPD Lock Door command supported?	[R4] A.4.3 [R4] A.4.1	GPS8: M	false
GPDRX51	Is reception of GPD Unlock Door command supported?	[R4] A.4.3 [R4] A.4.1	GPS8: M	false
GPDRX60	Is reception of GPD Press 1 of 1 command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPS1A: M GPS14A: M	false
GPDRX61	Is reception of GPD Release 1 of 1 command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPS1A: M GPS14A: M	false
GPDRX62	Is reception of GPD Press 1 of 2 command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPS1B: M GPS14B: M ¹³⁸ GPS18: M	false
GPDRX63	Is reception of GPD Release 1 of 2 command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPS1B: M GPS14B: M ¹³⁹ GPS18: M	false
GPDRX64	Is reception of GPD Press 2 of 2 command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPS1B: M GPS14B: M ¹⁴⁰ GPS18: M	false
GPDRX65	Is reception of GPD Release 2 of 2 command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPS1B: M GPS14B: M ¹⁴¹ GPS18: M	false
GPDRX66	Is reception of GPD Short Press 1 of 1 command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPS14A: M	false
GPDRX67	Is reception of GPD Short Press 1 of 2 command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPS14B: M ¹⁴² GPS18: M	false
GPDRX68	Is reception of GPD Short Press 2 of 2 command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPS14B: M ¹⁴³ GPS18: M	false
GPDRX69	Is reception of GPD 8-bit vector: press command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPS17: M ¹⁴⁴ GPS18: M	false
GPDRX6A	Is reception of GPD 8-bit vector: release command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPS17: O ¹⁴⁵ GPS18: M	false

¹³⁶ CCB #2198; Resolution added in 15-02016-003;¹³⁷ CCB #2198; Resolution added in 15-02016-003;¹³⁸ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013¹³⁹ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013¹⁴⁰ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013¹⁴¹ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013¹⁴² Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013¹⁴³ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013¹⁴⁴ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013¹⁴⁵ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013

Item number	Item description	Reference	Status	Support
GPDRXA0	Is reception of GPD Attribute Reporting command supported?	[R4] A.4.3 [R4] A.4.2.3	GPS4 GPS6 GPS7 GPS9 GPS10 GPS11 GPS12: M	false
GPDRXA1	Is reception of GPD Manufacturer-Specific Attribute Reporting command supported?	[R4] A.4.3 [R4] A.4.2.3	GPS4 GPS6 GPS7 GPS9 GPS10 GPS11 GPS12: M	false
GPDRXA2	Is reception of GPD Multi-Cluster Reporting command supported?	[R4] A.4.3 [R4] A.4.2.3	GPS4 GPS6 GPS7 GPS9 GPS10 GPS11 GPS12: M	false
GPDRXA3	Is reception of GPD Manufacturer-Specific Multi-Cluster Reporting command supported?	[R4] A.4.3 [R4] A.4.2.3	GPS4 GPS6 GPS7 GPS9 GPS10 GPS11 GPS12: M	false
GPDRXA6	Is reception of GPD ZCL Tunneling command supported?	[R4] A.4.3	GPS4 GPS6 GPS7 GPS9 GPS10 GPS11 GPS12: M GPS15C GPS15B: M	false
¹⁴⁶ GPDRXA8	Is reception of GPD Compact Attribute Reporting command supported?	[R4] A.4.2.3.6	GPS6 GPS7 GPS9 GPS12 ¹⁴⁷ GPS16: M ¹⁴⁸ GPPCSF21: M	false

¹⁴⁶ Comment #784, #785, #783 from GP multi-sensor v0.7 letter ballot¹⁴⁷ Comment #785 from GP multi-sensor v0.7 letter ballot¹⁴⁸ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1014

12 Green Power Device functionality

The PICS items in section 12 are only applicable to the GPD (GPDT0). They are not applicable to the other GP device types (i.e. GPDT1: X, GPDT2: X, GPDT3: X, GPDT4: X). If the GPD supports multiple SrcID (in case of *ApplicationID* = 0b000) or multiple Endpoints (in case of *ApplicationID* = 0b010), the SrcID/Endpoint supporting a given PICS item shall be indicated in the corresponding Support column.

12.1 GPD device description support

In Table 13, device descriptions for the GPD (GPDT0) are given.

Table 13 – GPD device description support

Item number	Item description	Reference	Status	Support
GPD0	Is the product programmed as a GP Simple Generic 1-state Switch?	[R4] A.4.3	GPDT0: O.23 ¹⁴⁹	false
GPD1	Is the product programmed as a GP Simple Generic 2-state Switch?	[R4] A.4.3	GPDT0: O.23	false
GPD2	Is the product programmed as a GP On/Off Switch?	[R4] A.4.3	GPDT0: O.23	false
GPD3	Is the product programmed as a GP Level Control Switch?	[R4] A.4.3	GPDT0: O.23	false
GPD4	Is the product programmed as a GP Simple Sensor?	[R4] A.4.3	GPDT0: O.23	false
GPD5	Is the product programmed as a GP Advanced Generic 1-state Switch?	[R4] A.4.3	GPDT0: O.23	false
GPD5B	What is the value of the short press time threshold?	[R4] A.4.2.2	Implementation-specific	false
GPD6	Is the product programmed as a GP Advanced Generic 2-state Switch?	[R4] A.4.3	GPDT0: O.23	false
GPD6B	What is the value of the short press time threshold?	[R4] A.4.2.2	Implementation-specific	false
GPD7	Is the product programmed as a GP Generic 8-contact Switch?	[R4] A.4.3	GPDT0: O.23	false
GPD7B	What is the number of supported contacts?	[R4] A.4.2.1.1.10, A.4.2.2.1	GPDT0: Implementation-specific (0-8)	false
GPD7C	Does the GP Generic 8-contact Switch indicate <i>Switch type</i> : generic in Commissioning GPDF?	[R4] A.4.2.1.1.10	GPDT0: O.40 ¹⁵⁰	false
GPD7D	Does the GP Generic 8-contact Switch indicate <i>Switch type</i> : button in Commissioning GPDF?	[R4] A.4.2.1.1.10	GPDT0: O.40	false
GPD7E	Does the GP Generic 8-contact Switch indicate <i>Switch type</i> : rocker in Commissioning GPDF?	[R4] A.4.2.1.1.10	GPDT0: O.40	false
xGPD10	Is the product programmed as a GP Color Dimmer Switch?	[R4] A.4.3	GPDT0: O.23	false
GPD11	Is the product programmed as a GP Light Sensor?	[R4] A.4.3	GPDT0: O.23	false
GPD12	Is the product programmed as a GP Occupancy Sensor?	[R4] A.4.3	GPDT0: O.23	false
GPD20	Is the product programmed as a GP Door Lock Controller?	[R4] A.4.3	GPDT0: O.23	false
GPD30	Is the product programmed as a GP Temperature Sensor?	[R4] A.4.3	GPDT0: O.23	false
GPD31	Is the product programmed as a GP Pressure Sensor?	[R4] A.4.3	GPDT0: O.23	false
GPD32	Is the product programmed as a GP Flow Sensor?	[R4] A.4.3	GPDT0: O.23	false
GPD33	Is the product programmed as a GP Indoor Environment Sensor?	[R4] A.4.3	GPDT0: O.23	false
GPD100	Does the product deviate from the standard GPD functionality mandatory for the product's DeviceID?	[R4] A.4.3.1	GPDT0: O	false

¹⁴⁹ O.23: Device Under Test SHALL support exactly one of those options.

¹⁵⁰ O.40: DUT shall implement exactly one of those options.

Item number	Item description	Reference	Status	Support
GPD100A	Does the standard GPD Data command set supported by the product deviate from the standard GPD Data command set mandatory for the product's DeviceID? If yes, list all standard GPD CommandIDs supported.	[R4] A.4.3.1 [R10] GDPPIXIT14	GPD100: O.35 ¹⁵¹	false
GPD100B	Does the standard ZCL cluster set supported by the product deviate from the standard ZCL cluster set mandatory for the product's DeviceID? If yes, list all standard ZCL ClusterIDs supported,	[R4] A.4.3.1 [R10] GDPPIXIT15 , [R10] GDPPIXIT16	GPD100: O.35	false
GPDFE	Is the product programmed as an undefined GP device (DeviceID = 0xFE)?	[R4] A.4.3	GPDT0: O.23	false
GPD101	Is the product with DeviceID = 0xFE programmed with support for any standard functionality? Note: a GPD not supporting any standard functionality cannot be certified.	[R4] A.4.3.1	GPDFE: M	false
GPD101A	Is the product programmed with support for any standard GPD Data command? If yes, list all standard GPD CommandIDs supported.	[R4] A.4.3.1 [R10] GDPPIXIT9	GPD101: O.36 ¹⁵²	false
GPD101B	Is the product programmed with support for any standard ZCL cluster in a server role? If yes, list all standard ZCL ClusterIDs supported in a server role:	[R4] A.4.3.1 [R10] GDPPIXIT10	GPD101: O.36	false
GPD101C	Is the product programmed with support for any standard ZCL cluster in a client role? If yes, list all standard ZCL ClusterIDs supported in a client role:	[R4] A.4.3.1 [R10] GDPPIXIT11	GPD101: O.36	false
GPD102	Is the product programmed with support for any standard ZCL cluster using GPD Compact Attribute Reporting functionality? If yes, list all standard ZCL ClusterIDs supported ¹⁵³ via GPD Compact Attribute Reporting functionality:	[R4] A.4.2.3.6 [R9] [R10] GDPPIXIT12	GPD101: O.36	false
GPD103	Is the product supporting GPD Compact Attribute Reporting ¹⁵⁴ functionality programmed with capability to send reports () with more than one report identifier? If yes, indicate the number of different reports:	[R4] A.4.2.3.6 [R10] GDPPIXIT13	GPD102: O	false

12.2 GPD functionality

Table 14 – GPD functionality

Item number	Item description	Reference	Status	Support
¹⁵⁵ GPF1	Does the device implement cGP stub?	[R4] A.1	GPDT0: X	false
¹⁵⁶ GPF2	Does the device implement dGP stub?	[R4] A.1	GPDT0: X	false
GPPC1	Does the device support Green Power End Point (GPEP)?	[R4] A.3.1	GPDT0: X	false
GPF4A	Does the device support transmitting GPDF frame format with <i>ApplicationID</i> sub-field of the <i>Extended NWK Frame Control</i> field set to 0b000?	[R4] A.1.4.1.3 [R10] GDPPIXIT18	GPDT0: O.22 ¹⁵⁷	false
GPF4B	Does the device support transmitting GPDF frame format with <i>ApplicationID</i> sub-field of the <i>Extended NWK Frame Control</i> field set to 0b010?	[R4] A.1.4.1.3 [R10] GDPPIXIT19	GPDT0: O.22	false
GPFA1	Does the device support multiple SrcID? If yes, list the SrcIDs.	[R4] A.1.6.2.1 [R10] GDPPIXIT18	GPF4A: O GPF4B: X	false

¹⁵¹ O.35: Device Under Test MAY support at least one of those options.

¹⁵² O.36: Device Under Test SHALL support at least one of those options.

¹⁵³ Comment #775 from GP multi-sensor v0.7 letter ballot

¹⁵⁴ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1013

¹⁵⁵ CCB #2524; resolution added in 15-02016-009;

¹⁵⁶ CCB #2524; resolution added in 15-02016-009;

¹⁵⁷ O.22: Device Under Test SHALL support only one of those options.

Item number	Item description	Reference	Status	Support
GPFA2	Apart from Endpoint 0x00 and 0xFF, does the device support multiple Endpoints from the range 0x01 – 0xFF? If yes, list the Endpoints.	[R4] A.1.6.2.2 [R10] GPDPIXIT20	GPFA4: X GPF4B: O	false
GPF5	Does the device support SecurityLevel=0b11?	[R4] A.1.5.4 [R4] A.3.7.2.1	GPDT0: O.24 ¹⁵⁸	false
GPF6	Does the device support SecurityLevel=0b10?	[R4] A.1.5.4 [R4] A.3.7.2.1	GPDT0: O.24	false
GPF7	Does the device support SecurityLevel=0b01? (deprecated)	[R4] A.1.5.4 [R4] A.3.7.2.1	GPDT0: X (deprecated)	false
GPF8A	Does the device support SecurityLevel=0b00 in commissioning?	[R4] A.1.5.4 [R4] A.3.9.1	GPDT0: O GPDT0: && GPCF4: M	false
GPF8B	Does the device support SecurityLevel=0b00 in operation? <i>According to the current version of the specification, only GPD that support gpdSecurityLevel = 0b10 or higher AND support TC-LK protection of the GPD key, if exchanged over the air, can be certified.</i>	[R4] A.1.5.4 [R4] A.3.7.2.1	GPDT0: O	false
GPF10A	Does the device support receiving GPDF frame format with <i>ApplicationID</i> sub-field of the <i>Extended NWK Frame Control</i> field set to 0b000 and <i>Frame type</i> sub-field of the <i>NWK Frame Control</i> field set to 0b00 (Data frame) in operation, with security?	[R4] A.1.4.1.3	GPDT0&&GPFA4: O (GPF4B: X)	false
GPF10B	Does the device support receiving GPDF frame format with <i>ApplicationID</i> sub-field of the <i>Extended NWK Frame Control</i> field set to 0b010 in operation, with security?	[R4] A.1.4.1.3	GPDT0&&GPF4B: O (GPF4A: X)	false
GPF10C	Does the device support receiving in commissioning mode a GPDF frame format with <i>Frame type</i> sub-field of the <i>NWK Frame Control</i> field set to 0b01 (Maintenance frame)?	[R4] A.1, A.3.9	GPDT0 && GPCF4: M	false
GPF10D	Does the device support receiving GPDF frame format with <i>ApplicationID</i> sub-field of the <i>Extended NWK Frame Control</i> field set to 0b000 and <i>Frame type</i> sub-field of the <i>NWK Frame Control</i> field set to 0b00 (Data frame) in commissioning, without security?	[R4] A.1, A.3.9	GPDT0 && GPF4A && GPCF4: M (GPF4B: X)	false
GPF10E	Does the device support receiving GPDF frame format with <i>ApplicationID</i> sub-field of the <i>Extended NWK Frame Control</i> field set to 0b010 in commissioning, without security?	[R4] A.1, A.3.9	GPDT0 && GPF4B && GPCF4: M (GPF4A: X)	false
GPDF2	Does the device support incremental MAC sequence number for GPD commands?	[R4] A.1.6, A.1.7	GPDT0 && (GPFA GPF8B): O	false
GPDF3	Is the FixedLocation flag in the Commissioning GPD command set?	[R4] A.1.6, A.1.7	GPDT0: O	false

12.2.1 GPD Bidirectional operation

Table 15 – Support for Green Power functionality

Item number	Item description	Reference	Status	Support
GPF100	Does the device support bidirectional communication in operational mode?	[R4] A.1.6.3 [R4] A.3.6.1.5	GPDT0: O	false
GPF101	Is transmission of GPD Read Attributes command supported?	[R4] A.4.2.5	GPDT0: X	false
GPF102	Is reception of GPD Read Attributes command supported?	[R4] A.4.2.5	GPDT0&&GPF100: M	false
GPF103	Is transmission of GPD Read Attributes Response supported?	[R4] A.4.2.5	GPDT0&&GPF100: M	false
GPF104	Is reception of GPD Read Attributes Response command supported?	[R4] A.4.2.5	GPDT0: X	false
GPF105	Is transmission of GPD Request Attributes command supported?	[R4] A.4.2.5	GPDT0&&GPF100: O	false
GPF106	Is reception of GPD Request Attributes command supported?	[R4] A.4.2.5	GPDT0: X	false

¹⁵⁸ O.24: Device Under Test SHALL support at least one of those options.

Item number	Item description	Reference	Status	Support
GPF107	Is transmission of GPD Write Attributes command supported?	[R4] A.4.2.5	GPDT0: X	false
GPF108	Is reception of GPD Write Attributes command supported?	[R4] A.4.2.5	GPDT0&&GPF100: O	false
GPF109	Is transmission of GPD ZCL Tunneling command (0xF6) supported?	[R4] A.4.2.3.5	GPDT0: X	false
GPF110	Is reception of GPD ZCL Tunneling command (0xF6) supported?	[R4] A.4.2.3.5	GPDT0&& GPDTXA6: M	false
GPF111	List the functionality accessible (receivable) via GPD ZCL Tunneling command. List the ZCL generic command, with the corresponding ClusterID(s) and AttributeID(s), if any. List the cluster-specific CommandIDs per ZCL-defined Cluster, if any. Manufacturer-specific functionality doesn't have to be listed.	[R4] A.4.2.3.5 [R10] GPDPIXIT07 , GPDPIXIT08	GPDT0: X GPDT0&& GPDTXA6: M	false

12.2.2 GPD commissioning support

Table 16 – GP Commissioning Feature Support

Item number	Item description	Reference	Status	Support
GPCF0	Does the device support re-commissioning (to another network/channel), after it was already commissioned? <i>Note: for GPDs supporting decommissioning/reset (GPCF10A/B), it is permissible to re-commission only after reset.</i>	[R4] A.1.7.3.2	GPDT0: M	false
GPCF1	Does the device support pairing with Data GPDF with Auto-Commissioning bit set to 0b1? <i>Note: According to the current version of the specification, only GPD that support <code>gpdSecurityLevel = 0b10</code> or higher AND support TC-LK protection of the GPD key, if exchanged over the air, can be certified.</i>	[R4] A.3.9 [R4] A.1.4, A.1.6	GPDT0: O.26	false
GPCF2	Does the device support pairing with Commissioning GPDF?	[R4] A.3.9 [R4] A.4.2.1.1	GPDT0: O.26 ¹⁵⁹ GPDT0 && (GPD4 GPD11 GPD12 GPD30 GPD31 GPD32 GPD33): M	false
GPCF3A	Does the device support transmission of GPD Commissioning command?	[R4] A.4.2.1.1	GPDT0&&GPCF2: M	false
GPCF3B	Does the device support reception of GPD Commissioning command?	[R4] A.4.2.1.1	GPDT0: X	false
GPCF4	Does the device support bidirectional communication in commissioning mode?	[R4] A.3.9	GPDT0: O	false
GPDF10	Does the device support configuration of operational channel when in commissioning mode?	[R4] A.3.9	GPDT0: O	false
GPDF10A	Does the device support out-of-band configuration of operational channel?	[R4] A.3.9	GPDT0: O.27 ¹⁶⁰ (GPDT0 && GPCF4): X	false
GPDF10B	Does the device support configuration of operational channel via channel toggling (GPD Commissioning command with RxAfterTx = 0b0)?	[R4] A.3.9	GPDT0: O.27 (GPDT0 && GPCF4): X	false
GPDF10C	Does the device support in-band configuration of operational channel (via GPD Channel Request/Channel Configuration command)?	[R4] A.3.9	GPDT0: O.27 (GPDT0 && GPCF4): M	false
GPDF10D	Does the device support the recommended channel set (11, 15, 20, 25)?	[R4] A.1.6, A.1.7	GPDT0&&GPCF16: M	false
GPDF10E	Does the device support the full channel set (11- 25 (26))? If the device does not support a full channel set, indicate which channels are supported?	[R4] A.1.6, A.1.7 [R10] GPDPIXIT17	GPDT0: O	false
GPCF5A	Does the device support transmission of the GPD Channel Request command in commissioning mode?	[R4] A.3.9 [R4] A.4.2.1.4 [R4] A.1.4	GPDT0: O GPDT0 &&(GPCF4 GPDF10C): M	false
GPCF5B	Does the device support reception of the GPD Channel Request command in commissioning mode?	[R4] A.3.9 [R4] A.4.2.1.4 [R4] A.1.4	GPDT0: X	false
GPCF6	Does the device support transmission of the GPD Channel Configuration command?	[R4] A.3.9 [R4] A.4.2.1.5 [R4] A.1.4	GPDT0: X	false
GPCF7	Does the device support reception of the GPD Channel Configuration command?	[R4] A.3.9 [R4] A.4.2.1.5 [R4] A.1.4	GPDT0: O	false
GPCF7A	Does the device support reception of the GPD Channel Configuration command in commissioning mode?	[R4] A.3.9 [R4] A.4.2.1.5 [R4] A.1.4	GPDT0: O GPDT0 &&(GPCF4 GPDF10C): M	false
GPCF7B	Does the device support reception of the GPD Channel Configuration command in operational mode?	[R4] A.6 [R4] A.4.2.1.5	GPDT0: O GPDT0 && (GPF10A	false

¹⁵⁹ O.26: Device Under Test SHOULD support exactly one of those methods.

¹⁶⁰ O.27: Device Under Test SHALL support at least one of the methods.

Item number	Item description	Reference	Status	Support
		[R4] A.1.4	GPFI0B): O	
GPCF8	Does the device support transmission of the GPD Commissioning Reply command?	[R4] A.4.2.1.2	GPDT0: X	false
GPCF9	Does the device support reception of the GPD Commissioning Reply command?	[R4] A.4.2.1.2	GPDT0 && GPCF2: O	false
GPCF9A	Does the device support reception of the GPD Commissioning Reply command in commissioning mode?	[R4] A.4.2.1.2	GPDT0 && GPCF4: M	false
GPCF9B	Does the device support reception of the GPD Commissioning Reply command in operational mode?	[R4] A.6	GPDT0 && (GPF10A GPF10B): O	false
GPCF10A	Is GPD reset/decommissioning via an explicit user action supported?	[R4] A.1.7.3.2	GPDT0: O ¹⁶¹ GPCF23B GPCF23D GPCF23F: M	false
GPCF10B	Is GPD removal via GPD Decommissioning command supported?	[R4] A.4.2.1.3	GPDT0: O GPCF10A: O	false
GPCF11	Does the device come with pre-configured GPD key?	[R4] A.3.9	GPDT0 && (GPF5 GPF6): O.28 ¹⁶²	false
GPCF12A	Does the device support GPD key exchange in GPD Commissioning command?	[R4] A.3.9	GPDT0 && GPCF2: O GPDT0 && GPCF11: M	false
GPCF12B	Does the device support exchange of encrypted GPD key in GPD Commissioning command? <i>Note: According to the current version of the specification, only GPD that support gpdSecurityLevel = 0b10 or higher AND support TC-LK protection of the GPD key, if exchanged over the air, can be certified.</i>	[R4] A.3.9 [R4] A.1.5	GPDT0 && GPCF11: M	false
GPCF13A	Does the device support GPD key exchange in GPD Commissioning Reply command?	[R4] A.3.9	GPDT0 && (GPF5 GPF6): O.28 GPDT0 && GPCF9: O	false
GPCF13B	Does the device support exchange of encrypted GPD key in GPD Commissioning Reply command? <i>Note: According to the current version of the specification, only GPD that support gpdSecurityLevel = 0b10 or higher AND support TC-LK protection of the GPD key, if exchanged over the air, can be certified.</i>	[R4] A.3.9 [R4] A.1.5	GPDT0 && GPCF13A: M	false
GPCF14	Does the device support out-of-band GPD key configuration?	[R4] A.3.9	GPDT0 && (GPF5 GPF6): O.28	false
GPCF15A	Does the device support transmission of GPD Success command in commissioning mode?	[R4] A.3.9 [R4] A.4.1	GPDT0: O GPDT0 && GPCF4: M	false
GPCF15B	Does the device support reception of GPD Success command when in commissioning mode?	[R4] A.3.9 [R4] A.4.1	GPDT0: X	false
GPCF16	Does the device support in-band configuration of PANId (via GPD Commissioning Reply command)?	[R4] A.3.9 [R4] A.4.2.1.2	GPDT0 && GPCF4: O	false
GPCF17	Does the device support transmission of GPD Commissioning command with Application information?	[R4] A.4.2.1.1	GPCF3A: O ¹⁶³ GPDT7: M GPD100: M GPD102: M GPDFF: M GPCF17A GPCF17B GPCF17C GPCF17E: M	false
GPCF17A	Does the device support transmission of the GPD Commissioning command with the ModelID? If YES, indicate the ModelID.	[R4] A.4.2.1.1 [R10] GPDPIXIT01	GPCF3A: O GPCF17: O.33 ¹⁶⁴	false
GPCF17B	Does the device support transmission of the GPD Commissioning command with the ManufacturerID? If YES, specify the ManufacturerID.	[R4] A.4.2.1.1 [R10] GPDPIXIT02	GPCF3A: O GPCF17: O.33 GPCF17A GPCF17D GPCF17F: M	false
GPCF17C	Does the device support transmission of the GPD Commissioning command with the GPD command list containing any standard GPD Data commands (0x00 –	[R4] A.4.2.1.1 [R10]	GPCF3A: O GPCF17: O.33 GPD100 GPDFF: O.34 ¹⁶⁵	false

¹⁶¹ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1025¹⁶² O.28: Device Under Test SHALL support at least one of those options.¹⁶³ GP multi-sensor v0.9 LB comment #976: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=976¹⁶⁴ O.33: Device Under Test SHOULD support at least one of these options¹⁶⁵ O.34: Device Under Test SHALL support at least one of these options

Item number	Item description	Reference	Status	Support
	0x9F, 0xF1, 0xF2, 0xF6)? If yes AND if deviating from the GPD command list mandatory for the supported DeviceID, list all the standard GPD Data commands,	GPDPIT03	GPD100A: M GPD101A: M	false
GPCF17D	Does the device support transmission of the GPD Commissioning command with the GPD command list containing manufacturer-defined commands?	[R4] A.4.2.1.1	GPCF3A: O GPCF17: O.33	false
GPCF17E	Does the device support transmission of the GPD Commissioning command with the Cluster list containing ZCL-defined clusters? If yes AND if deviating from the ZCL clusters mandatory for the supported DeviceID, list all the standard ZCL clusters.	[R4] A.4.2.1.1 [R10] GPDPIT04	GPCF3A: O GPCF17: O.33 GPD100 GPDPFE: O.34	false
GPCF17F	Does the device support transmission of the GPD Commissioning command with the Cluster list containing manufacturer-specific clusters?	[R4] A.4.2.1.1	GPCF3A: O GPCF17: O.33 GPD100B: M GPD101B: M	false
¹⁶⁶ GPCF17G	Does the device support transmission of the GPD Commissioning command with the Switch Information?	[R4] A.4.2.1.1	GPCF3A: O GPD7: M GPDTX69: M GPDRX6A: M	false
GPCF18	Does the device support reception of GPD Commissioning command with Application information?	[R4] A.4.2.1.1	GPDT0: X	false
GPCF18A	Does the device support reception of the GPD Commissioning command with the ModelID?	[R4] A.4.2.1.1	GPDT0: X	false
GPCF18B	Does the device support reception of the GPD Commissioning command with the ManufacturerID?	[R4] A.4.2.1.1	GPDT0: X	false
GPCF18C	Does the device support reception of the GPD Commissioning command with the GPD command list containing GPD-defined commands?	[R4] A.4.2.1.1	GPDT0: X	false
GPCF18D	Does the device support reception of the GPD Commissioning command with the GPD command list containing manufacturer-defined GPD commands?	[R4] A.4.2.1.1	GPDT0: X	false
GPCF18E	Does the device support reception of the GPD Commissioning command with the Cluster list containing ZCL-defined clusters?	[R4] A.4.2.1.1	GPDT0: X	false
GPCF18F	Does the device support reception of the GPD Commissioning command with the Cluster list containing manufacturer-specific clusters?	[R4] A.4.2.1.1	GPDT0: X	false
¹⁶⁷ GPCF18G	Does the device support reception of the GPD Commissioning command with the Switch Information?	[R4] A.4.2.1.1	GPDT0: X	false
GPCF19	Does the device support automatic progressing between the commissioning steps?	[R4] A.3.9.1	GPDT0: O GPCF4: O	false
GPCF20	Does the device support transmission of the GPD Application Description command?	[R4] A.3.9.1, A.4.2.1.6	GPD102: M	false
GPCF21	Does the device support reception of the GPD Application Description command?	[R4] A.3.9.1, [R4] A.4.2.1.6	GPDT0: O	false
¹⁶⁸ GPCF22	Does the GPD support subsequent commissioning?	[R4] A.3.9.1	GPDT0: O GPD7 GPDTX69 GPDTX6A: M	false
GPCF22A	Does the GPD supporting bidirectional commissioning with OOB key implement the subsequent commissioning as full bidirectional procedure?	[R4] A.3.9.1	¹⁶⁹ GPCF22: O.50	false
GPCF22B	Does the GPD supporting bidirectional commissioning with OOB key implement the subsequent commissioning as simplified unidirectional procedure?	[R4] A.3.9.1	GPCF22: O.50	false
GPCF22C	Does the GPD supporting bidirectional commissioning with	[R4] A.3.9.1	¹⁷⁰ GPCF22: O.51	

¹⁶⁶ GP multi-sensor v0.9 LB comment #976: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=976¹⁶⁷ GP multi-sensor v0.9 LB comment #976: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=976¹⁶⁸ Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1025¹⁶⁹ O.50: Device Under Test SHALL support exactly one of those options.

Item number	Item description	Reference	Status	Support
	shared key implement the subsequent commissioning as full bidirectional procedure?			false
GPCF22D	Does the GPD supporting bidirectional commissioning with shared key implement the subsequent commissioning as simplified unidirectional procedure?	[R4] A.3.9.1	GPCF22: O.51	false
GPCF22E	Does the GPD supporting unidirectional commissioning implement the subsequent commissioning as full unidirectional procedure?	[R4] A.3.9.1	¹⁷¹ GPCF22: O.52	false
GPCF22F	Does the GPD supporting unidirectional commissioning implement the subsequent commissioning as simplified unidirectional procedure?	[R4] A.3.9.1	GPCF22: O.52	false
¹⁷² GPCF23	Does the device support subsequent commissioning?	[R4] A.3.9.1	GPDT0: X	false
GPCF23A	Does the device supporting bidirectional commissioning with OOB key implement the subsequent commissioning as full bidirectional procedure?	[R4] A.3.9.1	GPDT0: X	false
GPCF23B	Does the device supporting bidirectional commissioning with OOB key implement the subsequent commissioning as simplified unidirectional procedure?	[R4] A.3.9.1	GPDT0: X	false
GPCF23C	Does the device supporting bidirectional commissioning with shared key implement the subsequent commissioning as full bidirectional procedure?	[R4] A.3.9.1	GPDT0: X	false
GPCF23D	Does the device supporting bidirectional commissioning with shared key implement the subsequent commissioning as simplified unidirectional procedure?	[R4] A.3.9.1	GPDT0: X	false
GPCF23E	Does the device supporting unidirectional commissioning implement the subsequent commissioning as full unidirectional procedure?	[R4] A.3.9.1	GPDT0: X	false
GPCF23F	Does the device supporting unidirectional commissioning implement the subsequent commissioning as simplified unidirectional procedure?	[R4] A.3.9.1	GPDT0: X	false
¹⁷³ GPCF24A	Does the device support handling of unprotected GPDP with GPD CommandIDs from the range 0xE4 – 0xEF in commissioning mode (forwarding using GP Commissioning Notification, responding with GPDP buffered in <i>gpTxQueue</i>)?	[R4] A.3.9.1	GPDT0: X	false
¹⁷⁴ GPCF24B	Does the device support handling of unprotected GPDP with GPD CommandIDs from the manufacturer-specific range 0xB0 – 0xBF in commissioning mode (forwarding using GP Commissioning Notification, responding with GPDP buffered in <i>gpTxQueue</i>)?	[R4] A.3.9.1	GPDT0: X	false
¹⁷⁵ GPCF24C	Does the device support sending of unprotected GPDP with GPD CommandIDs from the range 0xF7 – 0xFF and <i>Direction</i> sub-field of the <i>Extended NWK Frame Control</i> field set to 0b1, after receiving it in a GP Response command in commissioning mode?	[R4] A.3.9.1	GPDT0: X	false
¹⁷⁶ GPCF24D	Does the device support sending of unprotected GPDP with GPD CommandIDs from the range 0xB0 – 0xBF and <i>Direction</i> sub-field of the <i>Extended NWK Frame Control</i> field set to 0b1, after receiving it in a GP Response command in commissioning mode?	[R4] A.3.9.1	GPDT0: X	false
GPCF100	Is writing into Sink Table attribute via generic ZCL command supported during commissioning mode?	[R4] A.3.3.2.2	GPDT0: X	false

¹⁷⁰ O.51: Device Under Test SHALL support exactly one of those options.

¹⁷¹ O.52: Device Under Test SHALL support exactly one of those options.

¹⁷² Dec 2016 SVE comment: https://workspace.zigbee.org/kws/groups/PRO_GP/comments/view_comment?comment_id=1025

¹⁷³ CCB #2447; resolution modified in 15-02016-008 as a result of Kavi comment #1383 from letter ballot for GP Basic errata set: https://workspace.zigbee.org/higherlogic/ws/groups/PRO_GP/comments/view_comment?comment_id=1383

¹⁷⁴ CCB #2447; resolution modified in 15-02016-008 as a result of Kavi comment #1383 from letter ballot for GP Basic errata set: https://workspace.zigbee.org/higherlogic/ws/groups/PRO_GP/comments/view_comment?comment_id=1383

¹⁷⁵ CCB #2447; resolution modified in 15-02016-008 as a result of Kavi comment #1383 from letter ballot for GP Basic errata set: https://workspace.zigbee.org/higherlogic/ws/groups/PRO_GP/comments/view_comment?comment_id=1383

¹⁷⁶ CCB #2447; resolution modified in 15-02016-008 as a result of Kavi comment #1383 from letter ballot for GP Basic errata set: https://workspace.zigbee.org/higherlogic/ws/groups/PRO_GP/comments/view_comment?comment_id=1383

Item number	Item description	Reference	Status	Support
GPCF101	Is writing into Sink Table attribute via generic ZCL command supported during operational mode?	[R4] A.3.3.2.2	GPDT0: X	false
GPCF102	Is writing into Proxy Table attribute via generic ZCL command supported during commissioning mode?	[R4] A.3.3.2.2	GPDT0: X	false
GPCF103	Is writing into Proxy Table attribute via generic ZCL command supported during operational mode?	[R4] A.3.3.2.2	GPDT0: X	false

12.3 GPD application functionality

12.3.1 GPD command support by GPD

Table 17 – GPD commands support - transmission

Item number	Item description	Reference	Status	Support
GPDTX10	Is transmission of GPD Recall Scene 0 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O	false
GPDTX11	Is transmission of GPD Recall Scene 1 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O	false
GPDTX12	Is transmission of GPD Recall Scene 2 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O	false
GPDTX13	Is transmission of GPD Recall Scene 3 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O	false
GPDTX14	Is transmission of GPD Recall Scene 4 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O	false
GPDTX15	Is transmission of GPD Recall Scene 5 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O	false
GPDTX16	Is transmission of GPD Recall Scene 6 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O	false
GPDTX17	Is transmission of GPD Recall Scene 7 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O	false
GPDTX18	Is transmission of GPD Store Scene 0 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O GPDTX10: O	false
GPDTX19	Is transmission of GPD Store Scene 1 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O GPDTX11: O	false
GPDTX1a	Is transmission of GPD Store Scene 2 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O GPDTX12: O	false
GPDTX1b	Is transmission of GPD Store Scene 3 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O GPDTX13: O	false
GPDTX1c	Is transmission of GPD Store Scene 4 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O GPDTX14: O	false
GPDTX1d	Is transmission of GPD Store Scene 5 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O GPDTX15: O	false
GPDTX1e	Is transmission of GPD Store Scene 6 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O GPDTX16: O	false
GPDTX1f	Is transmission of GPD Store Scene 7 command supported?	[R4] A.4.3 [R4] A.4.1	GPDT1: O GPDTX17: O	false
GPDTX20	Is transmission of GPD Off command supported?	[R4] A.4.3 [R4] A.4.1	GPD2: O.29 ¹⁷⁷	false
GPDTX21	Is transmission of GPD On command supported?	[R4] A.4.3 [R4] A.4.1	GPD2: O.29 GPD2 && GPDTX20: O	false
GPDTX22	Is transmission of GPD Toggle command supported?	[R4] A.4.3 [R4] A.4.1	GPD2: O.29	false
GPDTX23	Is transmission of GPD Release command supported?	[R4] A.4.3 [R4] A.4.1	GPD2: O	false
GPDTX30	Is transmission of GPD Move Up command supported?	[R4] A.4.3 [R4] A.4.2.4	GPD3: O.30 ¹⁷⁸	false
GPDTX31	Is transmission of GPD Move Down command supported?	[R4] A.4.3 [R4] A.4.2.4	GPD3: O.30 GPD3 && GPDTX30: O	false
GPDTX32	Is transmission of GPD Step Up command supported?	[R4] A.4.3 [R4] A.4.2.4	GPD3: O.30	false

¹⁷⁷ O.29: Device Under Test SHALL support at least one of those options.

¹⁷⁸ O.30: Device Under Test SHALL support at least one of those commands.

Item number	Item description	Reference	Status	Support
GPDTX33	Is transmission of GPD Step Down command supported?	[R4] A.4.3 [R4] A.4.2.4	GPD3: O.30 GPD3 && GPDTX32: O	false
GPDTX34	Is transmission of GPD Stop command supported?	[R4] A.4.3 [R4] A.4.1	GPD3: O.30 GPD3 && (GPDTX30 GPDTX35): O	false
GPDTX35	Is transmission of GPD Move Up (with On/Off) command supported?	[R4] A.4.3 [R4] A.4.2.4	GPD3: O.30	false
GPDTX36	Is transmission of GPD Move Down (with On/Off) command supported?	[R4] A.4.3 [R4] A.4.2.4	GPD3: O.30 GPD3&&GPDTX35: O	false
GPDTX37	Is transmission of GPD Step Up (with On/Off) command supported?	[R4] A.4.3 [R4] A.4.2.4	GPD3: O.30	false
GPDTX38	Is transmission of GPD Step Down (with On/Off) command supported?	[R4] A.4.3 [R4] A.4.2.4	GPD3: O.30 GPD3&&GPDTX37: O	false
GPDTX40	Is transmission of GPD Move Hue ¹⁷⁹ Stop command supported?	[R4] A.4.3 [R4] A.4.2.5	GPD10: O.31 ¹⁸⁰	false
GPDTX41	Is transmission of GPD Move Hue Up command supported?	[R4] A.4.3 [R4] A.4.2.5	GPD10: O.31	false
GPDTX42	Is transmission of GPD Move Hue Down command supported?	[R4] A.4.3 [R4] A.4.2.5	GPD10: O.31 GPD10 && GPDTX41: O	false
GPDTX43	Is transmission of GPD Step Hue Up command supported?	[R4] A.4.3 [R4] A.4.2.5	GPD10: O.31	false
GPDTX44	Is transmission of GPD Step Hue Down command supported?	[R4] A.4.3 [R4] A.4.2.5	GPD10: O.31 GPD10 && GPDTX43: O	false
GPDTX45	Is transmission of GPD Move Saturation ¹⁸¹ Stop command supported?	[R4] A.4.3 [R4] A.4.2.5	GPD10: O.31	false
GPDTX46	Is transmission of GPD Move Saturation Up command supported?	[R4] A.4.3 [R4] A.4.2.5	GPD10: O.31	false
GPDTX47	Is transmission of GPD Move Saturation Down command supported?	[R4] A.4.3 [R4] A.4.2.5	GPD10: O.31 GPD10 && GPDTX46: O	false
GPDTX48	Is transmission of GPD Step Saturation Up command supported?	[R4] A.4.3 [R4] A.4.2.5	GPD10: O.31	false
GPDTX49	Is transmission of GPD Step Saturation Down command supported?	[R4] A.4.3 [R4] A.4.2.5	GPD10: O.31 GPD10 && GPDTX48: O	false
GPDTX4a	Is transmission of GPD Move Color command supported?	[R4] A.4.3 [R4] A.4.2.5	GPD10: O.31	false
GPDTX4b	Is transmission of GPD Step Color command supported?	[R4] A.4.3 [R4] A.4.2.5	GPD10: O.31	false
GPDTX50	Is transmission of GPD Lock Door command supported?	[R4] A.4.3 [R4] A.4.1	GPD20: O.37 ¹⁸²	false
GPDTX51	Is transmission of GPD Unlock Door command supported?	[R4] A.4.3 [R4] A.4.1	GPD20: O.37	false
GPDTX60	Is transmission of GPD Press 1 of 1 command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPD0: M GPD5: M	false
GPDTX61	Is transmission of GPD Release 1 of 1 command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPD0: M GPD5: M	false
GPDTX62	Is transmission of GPD Press 1 of 2 command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPD1: M GPD6: M	false
GPDTX63	Is transmission of GPD Release 1 of 2 command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPD1: M GPD6: M	false
GPDTX64	Is transmission of GPD Press 2 of 2 command supported?	[R4] A.4.3 [R4] A.4.1	GPD1: M GPD6: M	false

¹⁷⁹ CCB #2198, incl. approval ballot comment #1035; Resolution added in 15-02016-004;¹⁸⁰ O.31: Device Under Test SHALL support at least one of those commands.¹⁸¹ CCB #2198, incl. approval ballot comment #1035; Resolution added in 15-02016-004;¹⁸² O.37: Device Under Test SHALL support at least one of those commands.

Item number	Item description	Reference	Status	Support
		[R4] A.4.2.2		
GPDTX65	Is transmission of GPD Release 2 of 2 command supported?	[R4] A.4.3 [R4] A.4.1 [R4] A.4.2.2	GPD1: M GPD6: M	false
GPDTX66	Is transmission of GPD Short Press 1 of 1 command supported?	[R4] Table 52	GPD5: M	false
GPDTX67	Is transmission of GPD Short Press 1 of 2 command supported?	[R4] Table 52	GPD6: M	false
GPDTX68	Is transmission of GPD Short Press 2 of 2 command supported?	[R4] Table 52	GPD6: M	false
GPDTX69	Is transmission of GPD 8-bit vector: press command supported?	[R4] Table 52	GPD7: M	false
GPDTX6A	Is transmission of GPD 8-bit vector: release command supported?	[R4] Table 52	GPD7: M	false
GPDTXA0	Is transmission of GPD Attribute Reporting command supported?	[R4] A.4.3 [R4] A.4.2.3	GPD4 GPD11 GPD12 GPD30 GPD31 GPD32 GPD33: O.32 ¹⁸³	false
GPDTXA1	Is transmission of GPD Manufacturer-Specific Attribute Reporting command supported?	[R4] A.4.3 [R4] A.4.2.3	GPD4 GPD11 GPD12 GPD30 GPD31 GPD32 GPD33: O.32	false
GPDTXA2	Is transmission of GPD Multi-Cluster Reporting command supported?	[R4] A.4.3 [R4] A.4.2.3	GPD11 GPD12 GPD30 GPD31 GPD32 GPD33: O.32	false
GPDTXA3	Is transmission of GPD Manufacturer-Specific Multi-Cluster Reporting command supported?	[R4] A.4.3 [R4] A.4.2.3	GPD11 GPD12 GPD30 GPD31 GPD32 GPD33: O.32	false
¹⁸⁴ GPDTXA6	Is transmission of GPD ZCL Tunneling command (0xA6) supported?	[R4] A.4.3 [R4] A.4.2.3	GPDT0: O GPD4 GPD11 GPD12 GPD30 GPD31 GPD32 GPD33: O.32	false
GPDTXA6.2	List the functionality accessible via GPD ZCL Tunneling command. List the ZCL generic commands, with the corresponding ClusterID(s) and AttributeID(s), if any. List the cluster-specific CommandIDs per ZCL-defined Cluster, if any. Manufacturer-specific functionality doesn't have to be listed.	[R10] GPDPIXIT05, GPDPIXIT06	GPDTXA6: M	false

¹⁸³ O.32: Device Under Test SHALL support at least one of those commands.¹⁸⁴ CCB #2533; resolution added in 15-2016-010

Item number	Item description	Reference	Status	Support
¹⁸⁵ GPDTXA8	Is transmission of GPD Compact Attribute Reporting command supported?	[R4] A.4.2.6	GPDT102: M	false

Note: all the commands below are transparent to GPP, thus GPDT2: X. For GPDT1: X.

¹⁸⁵ Comment #783 from GP multi-sensor v0.7 letter ballot

12.3.2 Zigbee attribute support by GPD sensor devices

In Table 18 – Table 20, Zigbee attributes supported by the GPD devices are listed.

These PICS items are not applicable to the other GP device types.

Table 18 – Reported Zigbee attributes per GPD device

Item number	Item description	Reference	Status	Support
AREP1	Does the GPD support reporting of the 0x0055: PresentValue attribute from Binary Input Cluster?	[R4] A.4.3	GPD4: M	false
AREP2	Does the GPD support reporting of the 0x0000: MeasuredValue attribute from Illuminance Measurement Cluster?	[R4] A.4.3	GPD11: M GPD33: M	false
AREP3	Does the GPD support reporting of the 0x0000: Occupancy attribute from Occupancy Sensing Cluster?	[R4] A.4.3	GPD12: M	false
AREP4	Does the GPD support reporting of the 0x0000: MeasuredValue attribute from Temperature Measurement Cluster?	[R4] A.4.3	GPD30: M GPD33: M	false
AREP5	Does the GPD support reporting of the 0x0000: MeasuredValue attribute from Pressure Measurement Cluster?	[R4] A.4.3	GPD31: M	false
AREP6	Does the GPD support reporting of the 0x0000: MeasuredValue attribute from Flow Measurement Cluster?	[R4] A.4.3	GPD32: M	false
AREP7	Does the GPD support reporting of the 0x0000: MeasuredValue attribute from Relative Humidity Measurement Cluster?	[R4] A.4.3	GPD33: M	false
AREPF	Does the GPD support reporting of any ZCL-defined attributes not specified above? If yes, please list all, by including ClusterID and AttributeID.	[R4] A.4.3	GPDT0: O	false

Table 19 – Readable Zigbee attributes per GPD device

Item number	Item description	Reference	Status	Support
AREAD1	Does the GPD support reading of the 0x0051: OutOfService attribute from Binary Input Cluster?	[R4] A.4.3	GPD4 && GPF102: M	false
AREAD2	Does the GPD support reading of the 0x0055: PresentValue attribute from Binary Input Cluster?	[R4] A.4.3	GPD4 && GPF102: M	false
AREAD3	Does the GPD support reading of the 0x006F: StatusFlags attribute from Binary Input Cluster?	[R4] A.4.3	GPD4 && GPF102: M	false
AREAD4	Does the GPD support reading of the 0x0000: MeasuredValue attribute from Illuminance Measurement Cluster?	[R4] A.4.3	GPD11 && GPF102: M GPD33 && GPF102: M	false
AREAD5	Does the GPD support reading of the 0x0001: MinMeasuredValue attribute from Illuminance Measurement Cluster?	[R4] A.4.3	GPD11 && GPF102: M GPD33 && GPF102: M	false
AREAD6	Does the GPD support reading of the 0x0002: MaxMeasuredValue attribute from Illuminance Measurement Cluster?	[R4] A.4.3	GPD11 && GPF102: M GPD33 && GPF102: M	false
AREAD7	Does the GPD support reading of the 0x0000: Occupancy attribute from Occupancy Sensing Cluster?	[R4] A.4.3	GPD12 && GPF102: M	false
AREAD8	Does the GPD support reading of the 0x0000: Occupancy Sensor Type attribute from Occupancy Sensing Cluster?	[R4] A.4.3	GPD12 && GPF102: M	false
AREAD9	Does the GPD support reading of the 0x0000: MeasuredValue attribute from Temperature Measurement Cluster?	[R4] A.4.3	GPD30 && GPF102: M GPD33 && GPF102: M	false
AREAD10	Does the GPD support reading of the 0x0001: MinMeasuredValue attribute from Temperature Measurement Cluster?	[R4] A.4.3	GPD30 && GPF102: M GPD33 && GPF102: M	false
AREAD11	Does the GPD support reading of the 0x0002: MaxMeasuredValue attribute from Temperature Measurement Cluster?	[R4] A.4.3	GPD30 && GPF102: M GPD33 && GPF102: M	false
AREAD12	Does the GPD support reading of the 0x0000: MeasuredValue attribute from Pressure Measurement Cluster?	[R4] A.4.3	GPD31 && GPF102: M	false

Item number	Item description	Reference	Status	Support
AREAD13	Does the GPD support reading of the 0x0000: MeasuredValue attribute from Flow Measurement Cluster?	[R4] A.4.3	GPD32 && GPF102: M GPD33 && GPF102: M	false
AREAD14	Does the GPD support reading of the 0x0001: MinMeasuredValue attribute from Flow Measurement Cluster?	[R4] A.4.3	GPD32 && GPF102: M GPD33 && GPF102: M	false
AREAD15	Does the GPD support reading of the 0x0002: MaxMeasuredValue attribute from Flow Measurement Cluster?	[R4] A.4.3	GPD32 && GPF102: M GPD33 && GPF102: M	false
AREAD16	Does the GPD support reading of the 0x0000: MeasuredValue attribute from Relative Humidity Cluster?	[R4] A.4.3	GPD33 && GPF102: M	false
AREAD17	Does the GPD support reading of the 0x0001: MinMeasuredValue attribute from Relative Humidity Cluster?	[R4] A.4.3	GPD33 && GPF102: M	false
AREAD18	Does the GPD support reading of the 0x0002: MaxMeasuredValue attribute from Relative Humidity Cluster?	[R4] A.4.3	GPD33 && GPF102: M	false
AREADF	Does the GPD support reading of any ZCL-defined attributes not specified above? If yes, please list all, by including ClusterID and AttributeID.	[R4] A.4.3	GPDT0: O	false

Table 20 – Writable Zigbee attributes per GPD device

Item number	Item description	Reference	Status	Support
AWRITE1	Does the GPD support writing of the 0x0051: OutOfService attribute from Binary Input Cluster?	[R4] A.4.3	GPD4 && GPF100: M	false
AWRITEF	Does the GPD support writing of any ZCL-defined attributes not specified above? If yes, please list all, by including ClusterID and AttributeID.	[R4] A.4.3	GPDT0: O	false