



Draft Legal Text

SECAS Contact:

Name:

Caroline Gundu

Number:

020 7091 1037

Email:

SEC.change@gemserv.com

SECMP0025:

Electricity Network Party Access to Load Switching Information

Summary

This proposal seeks to enable Electricity Network Parties (ENPs) to have access to information from the Smart Metering System relating to load switching carried out by Smart Meters or Smart Meter connected Devices. It also proposes that the Smart Metering System informs Electricity Network Parties when changes are made to existing load switching regimes.

About this document

This document contains the draft SEC legal text that will deliver the intent of SECMP00025.

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Legal Text

6 April 2018

Version 1.0

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1. Draft Legal Text

This section sets out the draft Legal Text Changes for SECMP0025. These changes have been drafted against the DCC User Interface Specification (DUIS) version 2.0 and GB Companion Specification (GBCS) version 2.0

SEC Schedule 8 - GB Companion Specification Version 2.0

Changes to Table 20 of GBCS – Replacing Use Case ECS35f with ECS35g

The addition of 'ECS35g' Use Case and '0x00FD' Message Code

'Use Case Reference' Tab

- In column C ('Use Case (DLMS/ASN.1)') replace 'ECS35f' with 'ECS35g';
- In column D ('Message Code') replace '0x00BA' with '0x00FD';
- Set column M ('Access: Network Operator (NC)') to 'A'.

'SMETS Required Objects' Tab

- copy the value in column Q ('Access: Supplier (C)') to column U ('Access: network Operator (C)')
- copy the value in column R ('Access: Supplier (NC)') to column V ('Access: network Operator (NC)')
- in column AH ('DLMS COSEM Read UC') replace 'ECS35f' with 'ECS35g'

The discontinuation of 'ECS35f' Use Case and '0x00BA' Message Code

(To prevent future accidental use of either 'ECS35f' Use Case and '0x00BA' Message Code)

'Use Case Reference' tab:

- Set column A ('Use Case Name') to 'This row is not used';
- Set column B ('DLMS/ASN.1 message Location (1= in html, TOC = in main GBCS, x = do not use Message Code or Use Case tag in columns D and C') to 'x';
- To column C ('Use Case (DLMS/ASN.1)') and to column D ('Message Code') add a comment 'Unused since GBCS [DN: last version at which ECS35f was used, so the last GBCS version prior to this change being implemented]';
- Clear columns E to AS inclusive.

Revised Table 20 with Replacement Use Case / Message Template for ECS35f:



SECMP0025 Use
Cases DLMS.html



SECMP0025 Use
Cases.html



GBCS Table 20.xlsx

SEC Appendix AD - DCC User Interface Specification Version 2.0

Changes to Service Request 6.13 Read Event Or Security Log

The addition of 'ECS35g' Use Case and '0x00FD' Message Code and the removal of 'ECS35f' Use Case and '0x00BA' Message Code.

Service Request Name	ReadEventOrSecurityLog	
Service Reference	6.13	
Service Reference Variant	6.13	
Eligible Users	Import Supplier (IS) Gas Supplier (GS) Electricity Distributor (ED) Gas Transporter (GT) Registered Supplier Agent (RSA)	
Security Classification	Non Critical	
BusinessTargetID - Device applicable to this request	Electricity Smart Meter (ESME) Gas Smart Meter (GSME) Gas Proxy Function (GPF) Communications Hub Function (CHF)	
Can be future dated?	No	
On Demand?	Yes	
Capable of being DCC Scheduled?	No	
Command Variants applicable to this Request - (Only one populated)	1 - Send (Non-Critical) 2 - Return for local delivery (Non-Critical) 3 - Send and Return for local delivery (Non-Critical)	
Common Header Data Items	See clause Error! Reference source not found.3.4.1.4	
Data Items Specific to this Service Request	See Specific Data Items Below	
Possible responses from this Service Request	These are the possible responses applicable to this Service Request. Please see clause Error! Reference source not found.3.5 for more details on processing patterns <ul style="list-style-type: none"> Acknowledgement Service Response from Device – GBCSPayload Response to a Command for Local Delivery Request – LocalCommand Format Also see Response Section below for details specific to this request	
Response Codes possible from this Service Request	See clause Error! Reference source not found.3.5.10 for Common Response Codes	
GBCS Cross Reference	Electricity	Gas
GBCS MessageCode	0x0048 (Device event log) 0x0049 (Device security log) 0x0093 (CHF event log) 0x0094 (CHF security log) 0x00B9 (ESME power event log) 0x00BA (ESME HAN ALCS event log) 0x00FD (ESME HAN ALCS event log)	0x0014 (Device event log) 0x00A1 (Device security log)

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GBCS Use Case	ECS35a (Device event log) ECS35b (Device security log) ECS35c (CHF event log) ECS35d (CHF security log) ECS35e (ESME power event log) ECS35f (ESME HAN ALCS event log) <u>ECS35g (ESME HAN ALCS event log)</u>	CS10a (Device event log) CS10b (Device security log)

Changes to Service Request 7.7 Read Auxiliary Load Switch Data

The addition of Electricity Distributor (ED) as an Eligible Users

Service Request Name	ReadAuxiliaryLoadSwitchData	
Service Reference	7.7	
Service Reference Variant	7.7	
Eligible Users	Import Supplier (IS) <u>Electricity Distributor (ED)</u> Other User (OU)	
Security Classification	Non Critical	
BusinessTargetID Device Type applicable to this request	Electricity Smart Meter (ESME)	
Can be future dated?	DSP	
On Demand?	Yes	
Capable of being DCC Scheduled?	No	
Command Variants applicable to this Request (Only one populated)	1 – Send (Non-Critical) 2 – Return for local delivery (Non-Critical) 3 – Send and Return for local delivery (Non-Critical)	
Common Header Data Items	See clause Error! Reference source not found.3.4.1.1	
Data Items Specific to this Service Request	See Specific Data Items Below	
Possible responses from this Service Request	These are the possible responses applicable to this Service Request. Please see clause Error! Reference source not found.3.5 for more details on processing patterns Acknowledgement Service Response (from Device) – GBCSPayload Response to a Command for Local Delivery Request – LocalCommand Format Also see Response Section below for details specific to this request	
Response Codes possible from this Service Request	See clause Error! Reference source not found.3.5.10 for Common Response Codes	
GBCS Cross Reference	Electricity (ALCS and HCALCS)	
GBCS MessageCode	0x00BB	
GBCS Use Case	ECS61a	

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Changes to Table 35 – DCC Alert Codes

The addition of a new DCC Alert

DCC Alert Code	Alert Name	Event	Trigger	DCC Alert Recipient
<u>NXX</u>	<u>ALCS/HCALCS configuration change</u>	<u>ALCS/HCALCS configuration changed on ESME</u>	<p><u>Upon successful completion of Service Request 6.14.2 Update Device Configuration (Auxilliary Load Control Scheduler)</u></p> <p><u>OR</u></p> <p><u>[Optional] Upon successful completion of Service Request 6.14.1 Update Device Configuration (Auxilliary Load Control Descriptions)</u></p> <p><u>OR</u></p> <p><u>Future Dated Execution Of Instruction Alert (DLMS COSEM) Alert (Alert Code 0x8F66 and Message Code 0x00CC) corresponding to AuxiliaryLoadControlSwitchesCalendar received by the DCC Data Systems</u></p>	<u>ED</u>

Changes to Table 36 – DCC Alert Codes /Response Codes cross-reference

The addition of a new Response Code

Alert Code	Response Code
<u>NXX</u>	<u>10</u>

Changes to Table 249 - DCCAlert (sr:DCCAlert) data items

The addition of DCC Alert Data Items

DCC Alert Format / Data Item	Description / Allowable values	Type	Mandatory for Alert Codes	Default	Units
<u>ALCSHCALCSConfiguration Change</u>	<u>The trigger event indicates the ESME's ALCS/HCALCS configuration has changed</u>	<u>sr:ALCSHCALCSConfigChange</u>	<u>Nxx</u>	<u>None</u>	<u>N/A</u>

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Changes to Section 3.9 – DCC Alert Messages

The addition of a new subsection and table of Data Items

3.9.zz ALCSHCALCS Configuration Change

3.9.zz.1 Specific Data Items for this DCC Alert

ALCSHCALCS Data Items Definition

<u>DCC Alert Format / Data Item</u>	<u>Description / Allowable values</u>	<u>Type</u>	<u>Mandatory for Alert Codes</u>	<u>Default</u>	<u>Units</u>
<u>ESMEDeviceID</u>	The Device ID of the <u>ESME</u> for which the <u>ALCS / HCALCS</u> configuration has <u>changed</u>	<u>sr:EUI</u> (see Section 3.10.1.3 <u>EUI</u>)	<u>Yes</u>	<u>None</u>	<u>N/A</u>

Table XXX : ESMEDeviceID data items

SEC Appendix AF - Message Mapping Catalogue (MMC)

Changes to Table 158: Read Event or Security Log (HCALCS Event Log) MMC Output Format Header data items

The addition of 'ECS35g' and '0x00FD' Electricity Responses and the removal of 'ECS35f' and '0x00BA' Electricity Response.

Data Item	Electricity Response
GBCSHexadecimalMessageCode	0x00BA 0x00FD
GBCS Use Case (for reference - not in header)	ECS35f ECS35g

Changes to Table 207: Read ALCS Data MMC Output Format Header data items

Data Item	Electricity Response (HCALCS or ALCS)
GBCSHexadecimalMessageCode	0x00BB
GBCS Use Case (for reference - not in header)	ECS61a
SupplementaryRemotePartyID	sr:EUI (as set out in DUIS Section 3.10 Shared Data Types) Where originator is Unknown Remote Party <u>or Electricity Distributors (EDs)</u>
SupplementaryRemotePartyCounter	xs:nonNegativeInteger Where originator is Unknown Remote Party <u>or Electricity Distributors (EDs)</u>