

DCC User Gateway Interface Design Specification

Annex - Service Request Definitions 3 – Customer Management Service

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3 Customer Management Service (3 – CMS)

This section sets out the full content of the DCC Customer Management Service by providing the overarching service content that includes: service request and response message types, data content items and User access roles.

Service Name	CustomerManagement	Service Id	3
Service Objective	To enable DCC Service Users to manage customer facing elements of a device at a specified Meter ID, such that the meter can confirm that the operation has either completed successfully or the reason for its failure.		
Business Context Statement	The DCC Service User requires an action to be completed on a device that relates to a specific customer management activity, for example restrict data visibility following a Change of Tenancy		
User Roles	<p>The following user roles have access to the list of service requests which make up the Customer Management Service:</p> <ul style="list-style-type: none"> Electricity Import Suppliers (EIS) Gas Import Suppliers (GIS) 		

Table 1 Overview of Customer Management Service

The mapping between the Customer Management Services and the Devices they apply to is defined as follows:

Service Reference	Service Reference Variant	Name	Business Target ID
3.1	3.1	Display Message	ESME GSME
3.2	3.2	Restrict Access For Change Of Tenancy	ESME GPF
3.3	3.3	Clear Event Log	ESME GPF GSME
3.4	3.4	Update Supplier Name	ESME GSME
3.5	3.5	Disable Privacy PIN	ESME GSME

Table 2 CMS - Service Requests / Devices

For each of the CMS Service Requests supported by the DCC User Gateway, this section details:

- the reference to the appropriate section of the XML Schema (see XML Schema – document 3 of this documentation set)
- the structure of each Service Request and Response with examples (if specific to the Service Request)
- if applicable, Service Request specific Validation and Response Codes

This section should be read in conjunction with the Main Document of this documentation set section 9 (which describes the general formatting for all Service Requests and Service Responses) and with the XSD (XML Schema – document 3 of this documentation set).

3.1 Display Message (3.1)

Service Request Name	DisplayMessage	
Service Reference	3.1	
Service Request Variant Name	DisplayMessage	
Service Request Type	3.1	
Service Request Objective	To enable a DCC Service User to be able to send a consumer message for display on a specified Smart Meter.	
Business Context Statement	The DCC Service User requires a message to be sent to a specified device for display to the Consumer	
User Role Access	<ul style="list-style-type: none"> Electricity Import Supplier (EIS) Gas Import Supplier (GIS) 	
Security Classification	Non-critical and non-sensitive: <i>GBCS XREF: SME.C.NC</i>	
Service Request Narrative	<ol style="list-style-type: none"> The maximum length of any message sent to a Smart Meter is 116 characters. There is no validation by the DCC on the content of the message specified in this Service Request . 	
GBCS Cross Reference	Electricity	Gas
GBCS Message Code	0x0021	0x0071
GBCS Use Case	ECS10	GCS07
GBCS Use Case Name	Send Message to ESME	Send Message to GSME
SMETS1 Applicability	No	No

Table 3 Display Message Service Request

This section should be read in conjunction with the Main Document of this documentation set section 9 (which describes the general formatting for all Service Requests and Service Responses) and with the XSD (XML Schema – document 3 of this documentation set).

3.1.1 Service Request

3.1.1.1 Format

The ServiceRequest Body XML element of the XSD (see XML Schema – document 3 of this documentation set) defines the structure of all the Service Requests. Its DisplayMessage XML element defines this Service Request and includes the message to be displayed to the Consumer and, for Future Dated Requests, the Execution Date Time.

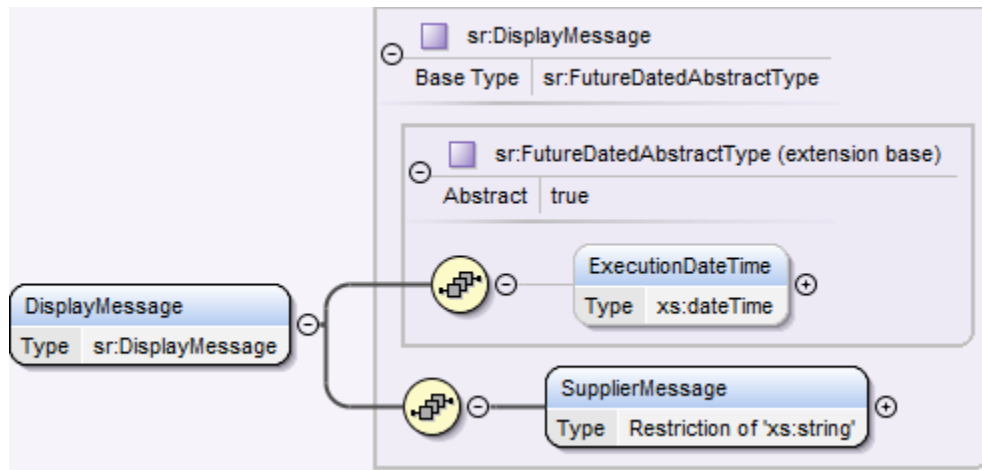


Figure 1 Display Message Service Request Structure

3.1.1.2 Specific Data Items Definition

The data items contained in the Service Request are defined as:

Data Item	Description / Valid Set	Type	Mandatory	Default	Units	Sensitivity
ExecutionDateTime	The UTC date and time the DCC Service User requires the command to be executed on the Device ID <ul style="list-style-type: none"> Date-time in the future that is either <= current date + 30 days or the date = 31/12/3000 	xs:dateTime	No	None	UTC Date-Time	Non-Sensitive
SupplierMessage ¹	Text content of message to be displayed to customer Valid set: <ul style="list-style-type: none"> All printable characters, i.e. characters with ASCII values of 32 (space) to 126 (tilde) inclusive 	Restriction of xs:string (minLength = 1, maxLength = 116, pattern = "[-~]+")	Yes	None	N/A	Non-Sensitive

Table 4 Display Message Service Request Data Items

¹ SupplierMessage is restricted by the XML Schema to only include displayable characters

3.1.1.3 Applicable Modes of Operation

The Modes of Operation applicable to this Service Request are (see Main Document of this documentation set section 2.3 for Modes of Operation definitions):

Transform	On Demand	DCC Only	Future Dated	DSP Scheduled
No	Yes	No	DSP	No

Table 5 Display Message Modes of Operation

3.1.1.4 Applicable Command Variant Values

The Command Variant values applicable to this Service Request are (see Main Document of this documentation set section 3 for Command Variant definitions):

CV = 1	CV = 2	CV = 3	CV = 4	CV = 5	CV = 6	CV = 7	CV = 8
Yes	Yes	Yes	No	No	No	No	No

Table 6 Display Message Command Variant Values

3.1.1.5 Validation

This Service Request has no specific validation. See Main Document of this documentation set section 7 for generic access control checks and Annex section 17.2 for Execution Date Time validation.

3.1.1.6 Sample Request

Sample requests are given in Annex Introduction Appendix 2. The specific information for this Service Request (Body) is as follows:

```
<DisplayMessage>
  <SupplierMessage>Supplier Message 1</SupplierMessage>
</DisplayMessage>
```

Figure 2 Display Message Service Request (Body) Format

3.1.2 Responses

The response messages for a "Display Message" request follow the generic format for all "Device" response messages. The generic responses applicable to this request are;

- Acknowledgement
- Service Response (from Device) - GBCSPayload
- Command for Local Delivery
- Parse Output

Sample responses are given in Annex Introduction Appendix 1, response specific information details are given below.

3.1.2.1 Parse Output Format

The response to this request returns only status without any substantial payload. The XML type is DisplayMessageRsp.

Please see Annex section 18.9 for a description of how status-only responses are represented in the MMC XML schema.

3.1.2.1.1 Specific Header Data Items

Data Item	Electricity Response	Gas Response
GBCSHexadecimalMessageCode	0021	0071
<i>GBCS Use Case Number (for information only - not in header)</i>	<i>ECS10</i>	<i>GCS07</i>
<i>GBCS Use Case Name (for information only - not in header)</i>	<i>Send Message to ESME</i>	<i>Send Message to GSME</i>
SupplementaryRemotePartyID	Not Present	Not Present
SupplementaryRemotePartyCounter	Not Present	Not Present

Data Item	Electricity Response	Gas Response
SupplementaryOriginatorCounter	Not Present	Not Present
Timestamp	Not Present	Not Present

Table 7 - Display Message Parse Response Header Items

3.2 Restrict Access For Change Of Tenancy (3.2)

Service Request Name	RestrictAccessForChangeOfTenancy
Service Reference	3.2
Service Request Variant Name	RestrictAccessForChangeOfTenancy
Service Request Type	3.2
Service Request Objective	To enable a DCC Service Users to set the <i>Data Restriction Flag</i> on a specified Device as defined in SMETS..
Business Context Statement	When a change of tenancy event occurs there is an obligation for the Energy Supplier to ensure that the incoming tenant does not have access to personal data that pertains to the outgoing tenant. This obligation is discharged by restricting the availability of data over the HAN from a certain date-time point.
User Role Access	<ul style="list-style-type: none"> Electricity Import Supplier (EIS) Gas Import Supplier (GIS)
Security Classification	Non-critical and non-sensitive SMETS2 or later: GBCS XREF: SME.C.NC

Service Request Narrative (SMETS2 or later)	<ol style="list-style-type: none"> 1. Data Restricted as defined in the GBCS Use Case, which sets a date for a Change of Tenancy on the ESME or GPF and restricting access to data based on this date. 2. The restriction date in the Service Request may be in the future or in the past, and the Command will be executed on receipt. The restriction is applied as soon as the command is executed, which means that the current householder will be restricted from access to their own data if the restriction date is in the future. DCC Service Users are advised not to set an execution date prior to the restriction date if the restriction is not intended to apply to the current tenant. Once set, the date is used by the ESME or GPF to restrict the householder's access to the following information: <ol style="list-style-type: none"> a. Profile data log; b. Cumulative and Historical Value Store; c. Daily Read Log; d. Prepayment Daily Read Log; e. Billing Data Log; and f. Daily Consumption Log 3. On successful completion of the Service Request <ol style="list-style-type: none"> a. All active DSP Schedules on that Device (and in the case of the GPF also those on the corresponding GSME) owned by an Other User will be automatically deleted by the DCC Data Systems. For each deleted DSP Schedule A DCC Alert N4 will be sent to the Other User (this action is a post-processing step after the Service Response has been sent to the User) b. All "Other User" Future Dated (DSP) Requests on that Device's Smart Metering System not yet sent to the Device will be automatically cancelled by the DCC Data Systems. For each cancelled Future Dated (DSP) Request a DCC Alert N3 will be sent to the "Other User" that had sent the Service Request being cancelled (this action is a post-processing step after the Service Response has been sent to the User). 4. When setting the dateTime of the restriction, the use of wildcards are not permitted. 	
GBCS Cross Reference	Electricity	Gas
GBCS Message Code	0x0022	0x0072
GBCS Use Case	ECS12	GCS09
GBCS Use Case Name	Set Change of Tenancy date on ESME	Set Change of Tenancy date on GPF
SMETS1 Applicability	Yes	Yes

Service Request Narrative (SMETS1)	<p>The behaviour of DSP for this Service Request with regard to SMETS1 Devices is equivalent to the behaviour for SMETS2 or later Devices.</p> <p>As specified in the SEC SMETS1 Supporting Requirement Document, SMETS1 processing will use SMETS1 Restrict Data WAN Interface Commands, and where the target is a SMETS1 GPF according to the SMI, processing by the S1SP will be carried out with regard to the corresponding SMETS1 GSME Device.</p>
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Table 8 Restrict Access For Change of Tenancy Service Request

This section should be read in conjunction with the Main Document of this documentation set section 9 (which describes the general formatting for all Service Requests and Service Responses) and with the XSD (XML Schema – document 3 of this documentation set).

3.2.1 Service Request

3.2.1.1 Format

The ServiceRequest Body XML element of the XSD (see XML Schema – document 3 of this documentation set) defines the structure of all the Service Requests. Its RestrictAccessForChangeOfTenancy XML element defines this Service Request and includes the date and time from when the restriction applies and, for Future Dated Requests, the Execution Date Time.

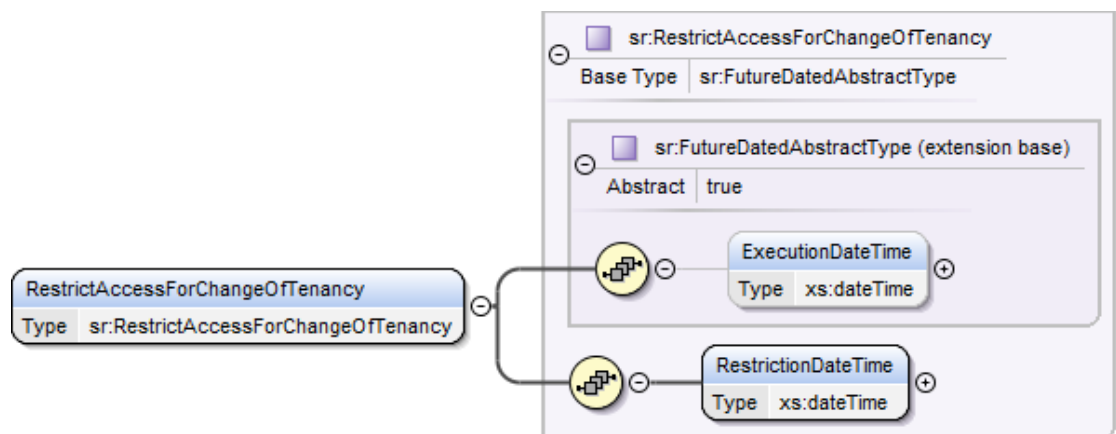


Figure 3 Restrict Access For Change of Tenancy Service Request Structure

3.2.1.2 Specific Data Items Definition

The data items contained in the Service Request are defined as:

Data Item	Description / Valid Set	Type	Mandatory	Default	Units	Sensitivity
ExecutionDateTime	<p>The UTC date and time the DCC Service User requires the command to be executed on the Device ID</p> <ul style="list-style-type: none"> Date-time in the future that is either \leq current date + 30 days or the date = 31/12/3000 	xs:dateTime	No	None	UTC Date-Time	Non-Sensitive

Data Item	Description / Valid Set	Type	Mandatory	Default	Units	Sensitivity
RestrictionDateTime	The UTC date and time the DCC Service User requires the restriction to be applied from (so no personal data held in the device for a period prior to this date and time will be available over the HAN / via a User Interface) <ul style="list-style-type: none"> Valid date-time 	xs:dateTime (Wildcards not permitted)	Yes	None	UTC Date-Time	Non-Sensitive

Table 9 Restrict Access For Change of Tenancy Service Request Data Items

3.2.1.3 Applicable Modes of Operation

The Modes of Operation applicable to this Service Request are (see Main Document of this documentation set section 2.3 for Modes of Operation definitions):

Service	Transform	On Demand	DCC Only	Future Dated	DSP Scheduled
SMETS2 or later	No	Yes	No	DSP	No
SMETS1	No	Yes	No	DSP	No

Table 10 Restrict Access For Change of Tenancy Modes of Operation

3.2.1.4 Applicable Command Variant Values

The Command Variant values applicable to this Service Request are (see Main Document of this documentation set section 3 for Command Variant definitions):

Service	CV = 1	CV = 2	CV = 3	CV = 4	CV = 5	CV = 6	CV = 7	CV = 8
SMETS2 or later	Yes	Yes	Yes	No	No	No	No	No
SMETS1	Yes	No	No	No	No	No	No	No

Table 11 Restrict Access For Change of Tenancy Command Variant Values

3.2.1.5 Validation

This Service Request has no specific validation. See Main Document of this documentation set section 7 for generic access control checks and Annex section 17.2 for Execution Date Time validation.

3.2.1.6 Sample Request

Sample requests are given in Annex Introduction Appendix 2. The specific information for this Service Request (Body) is as follows:

```
<RestrictAccessForChangeOfTenancy>
  <RestrictionDateTime>2014-05-04T18:13:51.00Z</RestrictionDateTime>
</RestrictAccessForChangeOfTenancy>
```

Figure 4 Restrict Access For Change of Tenancy Service Request (Body) Format

3.2.2 Responses

The response messages for a "Restrict Access For Change of Tenancy" request follow the generic format for all "Device" response messages. The generic responses applicable to this request are;

- Acknowledgement

- Service Response (from Device) - GBCSPayload
- Command for Local Delivery
- Parse Output / SMETS1 Response

Sample responses are given in Annex Introduction Appendix 1, response specific information details are given below.

3.2.2.1 Parse Output / SMETS1 Response Format

The response to this request returns only status without any substantial payload. The XML type is RestrictAccessForChangeOfTenancyRsp.

Parse Responses: Please see Annex section 18.9 for a description of how status-only responses are represented in the MMC XML schema.

SMETS1 Responses: Please see Annex section 19.7 for a description of how status-only responses are represented in the DUIS XML schema.

3.2.2.1.1 Specific Header Data Items

Data Item	Electricity Response	Gas Response
GBCSHexadecimalMessageCode	0022	0072
<i>GBCS Use Case Number (for information only - not in header)</i>	<i>ECS12</i>	<i>GCS09</i>
<i>GBCS Use Case Name (for information only - not in header)</i>	<i>Set Change of Tenancy date on ESME</i>	<i>Set Change of Tenancy date on GPF</i>
SupplementaryRemotePartyID	Not Present	Not Present
SupplementaryRemotePartyCounter	Not Present	Not Present
SupplementaryOriginatorCounter	Not Present	Not Present
Timestamp	Not Present	Not Present

Table 12 – Restrict Access For Change of Tenancy Parse Response Header Items

3.3 Clear Event Log (3.3)

Service Request Name	ClearEventLog
Service Reference	3.3
Service Request Variant Name	ClearEventLog
Service Request Type	3.3
Service Request Objective	To enable a DCC Service User to clear the Event Log, as defined by SMETS on a specified Device.

Business Context Statement	A Supplier may want to clear the Event Log of a Device before it is decommissioned or prior to completion of a Change of Tenancy event or for some other reason on an ad hoc basis.	
User Role Access	<ul style="list-style-type: none"> Electricity Import Supplier (EIS) Gas Import Supplier (GIS) 	
Security Classification	Non-critical and non-sensitive SMETS2 or later: <i>GBCS XREF: SME.C.NC</i>	
Service Request Narrative	<ol style="list-style-type: none"> The Event Log is cleared once the Command is activated on the Device Because the Gas Smart Meter Equipment and Gas Proxy Function Device Types only include one Event Log, the Service Request doesn't contain any data items for these Device Types The Electricity Smart Meter Equipment includes several Event Logs, but only the Device's own Event Log and the Auxiliary Controller (formerly known as ALCS) Event Log can be cleared via this Service Request. For this Device Type, the Request has to specify whether the ESME or the Auxiliary Controller Event Log is to be cleared The <i>Power Event Log</i> and <i>Boost Function Event Log</i> within the ESME cannot be cleared using this Service Request as there are no commands defined in GBCS to perform this action. HCALCS do not have separate Event Logs as part of their SMETS definition. This Service Request covers clearing the Event Log only; the Security Log is not allowed to be cleared via a remote Command. From GBCS v4.0 the GBCS Use Case Clear ALCS Event Log was renamed to Clear Auxiliary Controller Event Log, in order to generalise the terminology to include APC as well as ALCS functionality. There is no change in the GBCS command other than the name, so the GBCS command can apply to both ALCS functionality prior to GBCS v4.0 and ALCS and APC functionality from GBCS v4.0. The "ALCS" event log option in the command should be used regardless of the GBCS version of the Device. 	
GBCS Cross Reference	Electricity	Gas
GBCS Message Code	ESME Event Log – 0x0024 ALCS (Auxiliary Controller) Event Log – 0x00C1	0x0015
GBCS Use Case	ESME Event Log – ECS15a ALCS (Auxiliary Controller) Event Log – ECS15c	CS11

GBCS Use Case Name	Clear ESME Event Log Clear ALCS Event Log (prior to GBCS v4.0); Clear Auxiliary Controller Event Log (GBCS v4.0 or later)	Clear ZigBee Device Event Log
SMETS1 Applicability	Yes – ESME Event Log only	Yes
Service Request Narrative (SMETS1)	<p>The behaviour of DSP for this Service Request with regard to SMETS1 Devices is equivalent to the behaviour for SMETS2 or later Devices except:</p> <ol style="list-style-type: none"> 1. Auxiliary Controller (ALCS) logs do not apply to SMETS1 Devices 2. As specified in the SEC SMETS1 Supporting Requirement Document, SMETS1 processing will use SMETS1 Clear Event Log WAN Interface Commands. 	

Table 13 Clear Event Log Service Request

This section should be read in conjunction with the Main Document of this documentation set section 9 (which describes the general formatting for all Service Requests and Service Responses) and with the XSD (XML Schema – document 3 of this documentation set).

3.3.1 Service Request

3.3.1.1 Format

The ServiceRequest Body XML element of the XSD (see XML Schema – document 3 of this documentation set) defines the structure of all the Service Requests. Its ClearEventLog XML element defines this Service Request: For Device Types Gas Smart Meter or Gas Proxy Function it doesn't include any data items. For Device Type Electricity Smart Meter it contains the Event Log Type to clear.

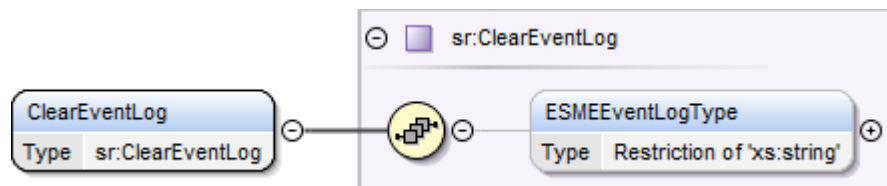


Figure 5 Clear Event Log Service Request Structure

3.3.1.2 Specific Data Items Definition

The data items contained in the Service Request are defined as:

Data Item	Description / Valid Set	Type	Mandatory	Default	Units	Sensitivity
ESMEEventLogType	<p>It specifies which of the two Event Logs included in an Electricity Smart Meter is to be cleared.</p> <p>Note that the "ALCS" choice will clear the event log of event data relating to APC as well as ALCS load control functionality, and regardless of the GBCS version of the Device.</p> <p>Valid set:</p> <ul style="list-style-type: none"> ESME ALCS 	Restriction of xs:string (Enumeration)	Device Type = ESME: Yes Otherwise: N/A	None	N/A	Non-Sensitive

Table 14 Clear Event Log Service Request Data Items

3.3.1.3 Applicable Modes of Operation

The Modes of Operation applicable to this Service Request are (see Main Document of this documentation set section 2.3 for Modes of Operation definitions):

Service	Transform	On Demand	DCC Only	Future Dated	DSP Scheduled
SMETS2 or later	No	Yes	No	No	No
SMETS1	No	Yes	No	No	No

Table 15 Clear Event Log Modes of Operation

3.3.1.4 Applicable Command Variant Values

The Command Variant values applicable to this Service Request are (see Main Document of this documentation set section 3 for Command Variant definitions):

Service	CV = 1	CV = 2	CV = 3	CV = 4	CV = 5	CV = 6	CV = 7	CV = 8
SMETS2 or later	Yes	Yes	Yes	No	No	No	No	No
SMETS1	Yes	No	No	No	No	No	No	No

Table 16 Clear Event Log Command Variant Values

3.3.1.5 Validation

This Service Request specific validation is as follows (see Main Document of this documentation set section 7 for generic access control checks):

Validation Check	Process	Response Code
Is the combination of Device Type and Event Log Type correct?	Check that if the Device Type is Electricity Smart Meter the Event Log Type is included and for other Device Types it isn't	E030301
Is the event log type valid for a SMETS1 Device?	SMETS1 only: Check that if the ESMEEventLogType is ALCS then the target Device is not a SMETS1 Device according to the Smart Metering Inventory. For clarity, SMETS1 ESME Devices are not required to support such logs.	E030302

Table 17 Clear Event Log Service Request Validation

3.3.1.6 Sample Request

Sample requests are given in Annex Introduction Appendix 2. The specific information for this Service Request (Body) is as follows:

```
<ClearEventLog/>
```

Figure 6 Clear Event Log Service Request (Body) Format

3.3.2 Responses

The response messages for a "Clear Event Log" Request follow the generic format for all "Device" response messages. The generic responses applicable to this request are;

- Acknowledgement
- Service Response (from Device) - GBCSPayload
- Command for Local Delivery
- Parse Output / SMETS1 Response

Sample responses are given in Annex Introduction Appendix 1, response specific information details are given below.

3.3.2.1 Unsuccessful Response

The Response Codes specific to this Service Request are:

Response Code	Response Code Name	Response Code Type	Description
E030301	Failed Validation – Device Type / Event Log Type mismatch	Error	The combination of Device Type and Event Log Type is incorrect

Table 18 Clear Event Log Service Request Response Codes

3.3.2.2 Parse Output / SMETS1 Response Format

The response to this request returns only status without any substantial payload. The XML type is ClearEventLogRsp.

Parse Responses: Please see Annex section 18.9 for a description of how status-only responses are represented in the MMC XML schema.

SMETS1 Responses: Please see Annex section 19.7 for a description of how status-only responses are represented in the DUIS XML schema.

3.3.2.2.1 Specific Header Data Items

Data Item	Electricity Response	Auxiliary Controller Response (N/A for SMETS1)	Gas Response
GBCSHexadecimalMessageCode	0024	00C1	0015
GBCS Use Case Number (for information only - not in header)	ECS15a	ECS15c	CS11

Data Item	Electricity Response	Auxiliary Controller Response (N/A for SMETS1)	Gas Response
<i>GBCS Use Case Name (for information only - not in header)</i>	<i>Clear ESME Event Log</i>	<i>Clear ALCS Event Log (prior to GBCS v4.0) Clear Auxiliary Controller Event Log (GBCS v4.0 or later)</i>	<i>Clear ZigBee Device Event Log</i>
SupplementaryRemotePartyID	Not Present	Not Present	Not Present
SupplementaryRemotePartyCounter	Not Present	Not Present	Not Present
SupplementaryOriginatorCounter	Not Present	Not Present	Not Present
Timestamp	Not Present	Not Present	Not Present

Table 19 – Clear Event Log Parse Response Header Items

3.4 Update Supplier Name (3.4)

Service Request Name	UpdateSupplierName	
Service Reference	3.4	
Service Request Variant Name	UpdateSupplierName	
Service Request Type	3.4	
Service Request Objective	To enable a DCC Service User to write the Supplier contact details on a specified ESME or GSME for display to the consumer.	
Business Context Statement	A Supplier may wish to provide their name and contact details to a device for customer use. These details will require update at change of supplier by the gaining Supplier.	
User Role Access	<ul style="list-style-type: none"> Electricity Import Supplier (EIS) Gas Import Supplier (GIS) 	
Security Classification	Non-critical and non-sensitive: GBCS XREF: SME.C.NC	
Service Request Narrative	Contact details as defined by SMETS include the name and contact telephone number of the Supplier.	
GBCS Cross Reference	Electricity	Gas
GBCS Message Code	0x0025	0x0088
GBCS Use Case	ECS16	GCS44
GBCS Use Case Name	Write Supplier Contact Details on ESME	Write Contact Details on GSME

SMETS1 Applicability	No	No
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Table 20 Update Supplier Name Service Request

This section should be read in conjunction with the Main Document of this documentation set section 9 (which describes the general formatting for all Service Requests and Service Responses) and with the XSD (XML Schema – document 3 of this documentation set).

3.4.1 Service Request

3.4.1.1 Format

The ServiceRequest Body XML element of the XSD (see XML Schema – document 3 of this documentation set) defines the structure of all the Service Requests. Its UpdateSupplierName XML element defines this Service Request and includes the Supplier Name and Telephone Number and, for Future Dated Requests, the Execution Date and Time.

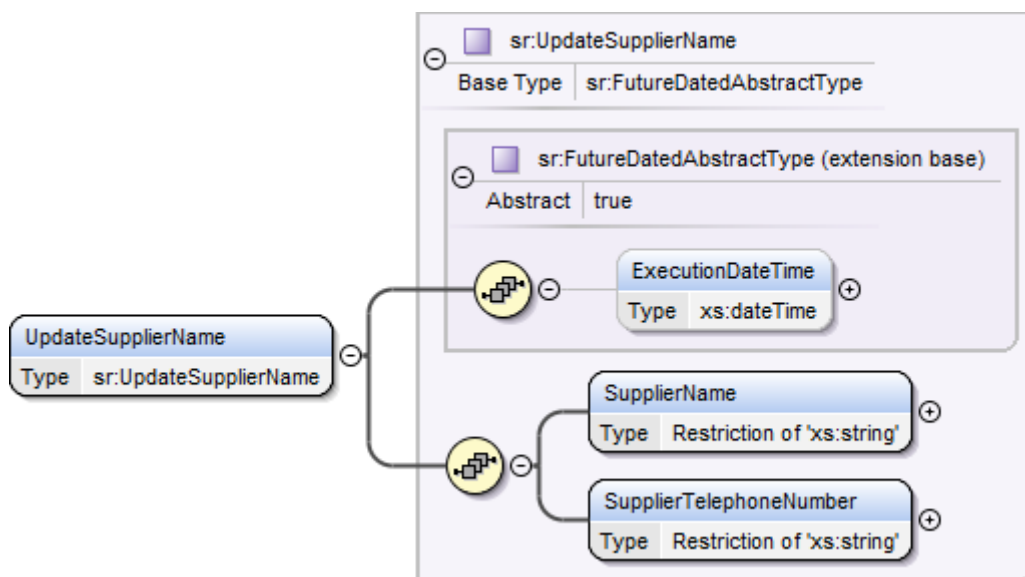


Figure 7 Update Supplier Name Service Request Structure

3.4.1.2 Specific Data Items Definition

The data items contained in the Service Request are defined as:

Data Item	Description / Valid Set	Type	Mandatory	Default	Units	Sensitivity
ExecutionDateTime	The UTC date and time the DCC User requires the command to be executed on the Device ID Valid set: <ul style="list-style-type: none"> Date-time in the future that is either <= current date + 30 days or the date = 31/12/3000 	xs:dateTime	No	None	UTC Date-Time	Non-Sensitive

Data Item	Description / Valid Set	Type	Mandatory	Default	Units	Sensitivity
SupplierName ¹	Defined format Supplier name Valid set: All printable characters, i.e. characters with ASCII values of 32 (space) to 126 (tilde) inclusive	Restriction of xs:string (maxLength = 15 pattern = "[-~]+")	Yes	None	N/A	Non-Sensitive
SupplierTelephoneNumber ²	Defined format Supplier name and telephone number	Restriction of xs:string (maxLength = 18 pattern = "[0-9]+")	Yes	None	N/A	Non-Sensitive

Table 21 Update Supplier Name Service Request Data Items

¹ SupplierName is restricted by the XML Schema to only include displayable characters

² SupplierTelephoneNumber is restricted by the XML Schema to only include numbers and spaces

3.4.1.3 Applicable Modes of Operation

The Modes of Operation applicable to this Service Request are (see Main Document of this documentation set section 2.3 for Modes of Operation definitions):

Transform	On Demand	DCC Only	Future Dated	DSP Scheduled
No	Yes	No	DSP	No

Table 22 Update Supplier Name Modes of Operation

3.4.1.4 Applicable Command Variant Values

The Command Variant values applicable to this Service Request are (see Main Document of this documentation set section 3 for Command Variant definitions):

CV = 1	CV = 2	CV = 3	CV = 4	CV = 5	CV = 6	CV = 7	CV = 8
Yes	Yes	Yes	No	No	No	No	No

Table 23 Update Supplier Name Command Variant Values

3.4.1.5 Validation

This Service Request has no specific validation. See Main Document of this documentation set section 7 for generic access control checks and Annex section 17.2 for Execution Date Time validation.

3.4.1.6 Sample Request

Sample requests are given in Annex Introduction Appendix 2. The specific information for this Service Request (Body) is as follows:

```
<UpdateSupplierName>
  <ExecutionDateTime>2014-10-24T04:03:05.00Z</ExecutionDateTime>
  <SupplierName>Supplier Name 1</SupplierName>
  <SupplierTelephoneNumber>0123 456 789</SupplierTelephoneNumber>
</UpdateSupplierName>
```

Figure 8 Update Supplier Name Service Request (Body) Format

3.4.2 Responses

The response messages for an “Update Supplier Name” request follow the generic format for all “Device” response messages. The generic responses applicable to this request are;

- Acknowledgement
- Service Response (from Device) – GBCSPayload
- Command for Local Delivery
- Parse Output

Sample responses are given in Annex Introduction Appendix 1, response specific information details are given below.

3.4.2.1 Parse Output Format

The response to this request returns only status without any substantial payload. The XML type is UpdateSupplierNameRsp.

Please see Annex section 18.9 for a description of how status-only responses are represented in the MMC XML schema.

3.4.2.1.1 Specific Header Data Items

Data Item	Electricity Response	Gas Response
GBCSHexadecimalMessageCode	0025	0088
<i>GBCS Use Case Number (for information only - not in header)</i>	<i>ECS16</i>	<i>GCS44</i>
<i>GBCS Use Case Name (for information only - not in header)</i>	<i>Write Supplier Contact Details on ESME</i>	<i>Write Contact Details on GSME</i>
SupplementaryRemotePartyID	Not Present	Not Present
SupplementaryRemotePartyCounter	Not Present	Not Present
SupplementaryOriginatorCounter	Not Present	Not Present
Timestamp	Not Present	Not Present

Table 24 – Update Supplier Name Parse Response Header Items

3.5 Disable Privacy PIN (3.5)

Service Request Name	DisablePrivacyPIN
Service Reference	3.5
Service Request Variant Name	DisablePrivacyPIN
Service Request Type	3.5
Service Request Objective	To enable a DCC Service User to disable the Privacy PIN protection on a specified ESME or GSME.

Business Context Statement	A consumer may wish to protect a specified set of display items and Commands via the User Interface. To do so requires the use of a Privacy PIN set by the consumer directly on to the ESME or GSME. Only the Registered Supplier can disable this PIN at a consumers request using this Service Request.	
User Role Access	<ul style="list-style-type: none"> Electricity Import Supplier (EIS) Gas Import Supplier (GIS) 	
Security Classification	Non-critical and non-sensitive: GBCS XREF: SME.C.NC	
Service Request Narrative	Privacy PIN, as defined in SMETS, is a number comprising four digits used by the Consumer to enable temporary access to a specified set of display items and Commands via the User Interface of ESME or GSME.	
GBCS Cross Reference	Electricity	Gas
GBCS Message Code	0x0023	0x0073
GBCS Use Case	ECS14	GCS11
GBCS Use Case Name	Disable Privacy PIN Protection on ESME	Disable Privacy PIN Protection on GSME
SMETS1 Applicability	No	No

Table 25 Disable Privacy PIN Service Request

This section should be read in conjunction with the Main Document of this documentation set section 9 (which describes the general formatting for all Service Requests and Service Responses) and with the XSD (XML Schema – document 3 of this documentation set).

3.5.1 Service Request

3.5.1.1 Format

The ServiceRequest Body XML element of the XSD (see XML Schema – document 3 of this documentation set) defines the structure of all the Service Requests. Its DisablePrivacyPIN XML element defines this Service Request and it doesn't contain any data items.



Figure 9 Disable Privacy PIN Service Request Structure

3.5.1.2 Applicable Modes of Operation

The Modes of Operation applicable to this Service Request are (see Main Document of this documentation set section 2.3 for Modes of Operation definitions):

Transform	On Demand	DCC Only	Future Dated	DSP Scheduled
No	Yes	No	No	No

Table 26 Disable Privacy PIN Modes of Operation

3.5.1.3 Applicable Command Variant Values

The Command Variant values applicable to this Service Request are (see Main Document of this documentation set section 3 for Command Variant definitions):

CV = 1	CV = 2	CV = 3	CV = 4	CV = 5	CV = 6	CV = 7	CV = 8
Yes	Yes	Yes	No	No	No	No	No

Table 27 Disable Privacy PIN Command Variant Values

3.5.1.4 Validation

This Service Request has no specific validation. See Main Document of this documentation set section 7 for generic access control checks.

3.5.1.5 Sample Request

Sample requests are given in Annex Introduction Appendix 2. The specific information for this Service Request (Body) is as follows:

<DisablePrivacyPIN/>

Figure 10 Disable Privacy PIN Service Request (Body) Format

3.5.2 Responses

The response messages for a “Disable Privacy PIN” request follow the generic format for all “Device” response messages. The generic responses applicable to this request are;

- Acknowledgement
- Service Response (from Device) - GBCSPayload
- Command for Local Delivery
- Parse Output

Sample responses are given in Annex Introduction Appendix 1, response specific information details are given below

3.5.2.1 Parse Output Format

The response to this request returns only status without any substantial payload. The XML type is DisablePrivacyPINRsp.

Please see Annex section 18.9 for a description of how status-only responses are represented in the MMC XML schema.

3.5.2.1.1 Specific Header Data Items

Data Item	Electricity Response	Gas Response
GBCSHexadecimalMessageCode	0023	0073
GBCS Use Case Number (for information only - not in header)	ECS14	GCS11
GBCS Use Case Name (for information only - not in header)	Disable Privacy PIN Protection on ESME	Disable Privacy PIN Protection on GSME

Data Item	Electricity Response	Gas Response
SupplementaryRemotePartyID	Not Present	Not Present
SupplementaryRemotePartyCounter	Not Present	Not Present
SupplementaryOriginatorCounter	Not Present	Not Present
Timestamp	Not Present	Not Present

Table 28 – Disable Privacy Pin Parse Response Header Items