**XOSERVE**

# COR2528 - Smart Metering / DCC Day 1

# Gas Smart Working Issues Group (SWIG), Consequential Changes Report (v1.0) - Potential Solutions

This document captures references to solution options which have been identified from the Gas Smart Working Issues Group (SWIG), Consequential Changes Report (v1.0, dated 11 July 2012). These were based on the Legacy System Changes (Enduring) Report issued by the Department of Energy and Climate Change (DECC) Business Process Design Group (BPDG).

UK Link Committee members are asked to consider this information to determine which proposed solution options form an absolute requirement to meet Smart Meter Implementation Programme (SMIP) needs, or; are required to be analysed.

| SWIG Ref: | Solution Description: |
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| | **Associated RGMA MDD Changes** |
| 4.9 | It is anticipated that the Foundation Interim Operating Model (FIOM) Working Group will implement at least some of the changes described below. Once the FIOM's scope in this area is published, the Gas SWIG will review what has been agreed for foundation and make any further changes required for the enduring arrangements. The group agreed that accurate identification of Advanced Domestic Meters and Smart Meters (specifically on Change of Supplier) is critical to this interim operating model. |
| 4.10 | Changes to the valid set for data item A0085 Meter Mechanism Code in the Meter Record will be required to introduce new meter types that identify Advanced Domestic Meters and Smart Meters installed at customer premises. Smart meters are those meters that comply with the Smart Metering Equipment Technical Specification (SMETS 1/2/2a/2b). |
| 4.11 | The new values proposed by the FIOM group are:<br>• NSS – A meter that meets the definition of an Advanced Domestic Meter but is not compliant with any version of SMETS.<br>• S1 – A meter that is compliant with the SMETS Version 1.0<br>• S2 - A meter that is compliant with the SMETS Version 2.0<br>• S2A – A meter that is compliant with the SMETS Version 2a<br>• S2B – A meter that is compliant with the SMETS Version 2b |
| 4.14 | MAMs should refresh the current Meter Mechanism Codes allocated to these meters. It is recommended that Suppliers discuss this with their appointed MAMs to ensure that the information in UK-Link / the Data Enquiry Service (DES) is updated as a result of this change to MMC. DES will need to be updated for all of the required data items. Any bulk updates of Meter Mechanism Codes in UK-Link will need to take account of the volumes of meters affected and require planning with Xoserve. Xoserve will co-ordinate this work. |
| 4.15 | Changes would also be required to the valid set for data item A0024 Asset Class code in the Asset record, to introduce new Asset Class Codes to identify the IHD installed. The proposed new value is "IHD – In Home Display". |

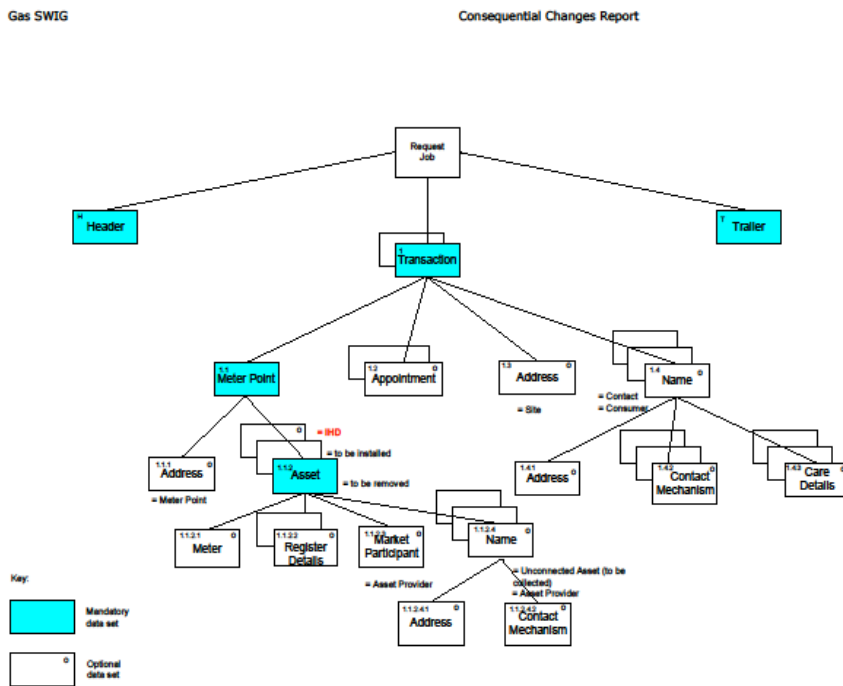| 4.16 | **Associated RGMA ORJOB Changes** |
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| | Optional Solution - The following schematic details the change, in red, for optional inclusion of a request to provide an IHD to non-domestic consumers in the RGMA ORJOB Request Job flow. |



Figure 1: RGMA ORJOB Schematic with IHD Data Set optionally included

| 4.18 | The group concluded that the Comms device would also be a new Asset Class Code. |
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| 4.19 | The Gas SWIG identified the need to include the Unique Property Reference Number (UPRN) as an optional field in the Meter Point Address Data Set where available, which will enable configuration on the SMS as applicable. |
| | The new definition in the Meter Point Address Data Set is recommended to be: |

1.1.1     Address 0 to 1 per Meter Point

| A0018 | O | Unique Property Reference Number (UPRN) | UPRN will be provided where known |
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| 4.20 | The Gas SWIG made an assumption that MAMs will have access to the DCC for querying details of the required communications at a premise. This arrangement is currently subject to consultation2. The Gas SWIG's expectation was that the MAM will execute service 12.1 RequestWANMatrix3 based on the address or UPRN which will provide the WAN Technology Type and the WAN Strength at the requested location. If the final smart arrangements do not provide this query functionality for the MAMs, the Gas SWIG considered that Suppliers would have to query the DCC to ascertain details and then provide the information to their MAMs in the ORJOB flow. The group considered it preferable for MAMs to have direct access, to minimise overall change and therefore costs to the Industry and the consumer. If the MAM is to configure a metering system, the detailed settings will not be passed in a request. Future considerations around MTDs and installations should include mechanisms for communicating such information. |
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| | **Associated RGMA ONJOB Change** | |
| 4.22 | The Gas SWIG considered it would be important for Suppliers to know that MAMs have or have not installed on site following the instruction to install equipment. For any failures to install as per the requirement, additional job outcome codes may be required to support such feedback. The job outcome code should clearly identify the work that had been completed. The Gas SWIG will review the reporting requirements when published, to identify if this process is provided for. | |
| | **Capturing Supplier Data** | |
| | Two mechanisms exist within UK-Link for updating the Supplier Id: the confirmation process and the SUN file. | |
| 5.20 | It is recommended that the preferred mechanism for recording a change of Supplier is the confirmation process. The future use or withdrawal of the SUN file will be subject to further consideration by the UNC UK-Link Committee. | |
| 5.21 | However if the SUN file were to remain in use there are some changes that would be required, described below. | |
| 5.22 | The SUN file does not currently include an Effective From Date. It is recommended that the SUN file is modified to include a Supplier Effective From Date. On receipt of the SUN file the Supplier Id and Supplier Effective From Date should be updated, with the previous data being stored. | |
| 5.23 | There is no requirement for the iGT registration services to provide support for the SUN file. | |
| | **Enquiry Service** | |
| 5.59 | The registration services must ensure that the new data items are available via a consolidated registration enquiry service. | |
| | **For Exchange of Data during Change of Supplier** | |
| 5.59 | Registration data flows will be amended to include the new data items contained in the extended registration data set, so that data can be exchanged during the Change of Supplier process. Changes to file formats will need to be considered by the UK-Link Committee. | |
| 5.64 | The following data items need to be provided during the Change of Supplier process:<br>• SMSO Id<br>• SMSO Effective From Date<br>• Meter Mechanism Code<br>• IHD Install Status<br>• IHD Install Status Effective From Date<br>• DCC Service Flag<br>• DCC Service Flag Effective From Date<br>• UPRN | |
| 5.65 | The following UK-Link flows and their subsequent responses should be modified in line with above:<br>• NMR - Supply Point Enquiry Response<br>• CFR - Confirmation Response<br>• TRF - Notification of Transfer<br>• NMR/NRF - Offer file | |
| 5.68 | New record is required to include the smart specific data items within the current SPA files. This record should be included in the following files:<br>• NMR - Supply Point Enquiry Response,<br>• CFR - Confirmation Response,<br>• TRF - Notification of Transfer flows.<br>• NMR/NRF - Offer file | |
| 5.69 | The Gas SWIG agreed that more information was required on whether the SMSO Id would "rollover" on Change of Supplier if the new Supplier did not populate the field on registration. This is consistent with the approach in other areas of the industry. | |

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| | **Supplier Owned Data Items** |
| **5.75** | The existing UK-Link K08 record supports the update of MAM appointment details. It is recommended this record is extended to provide support for the update of the SMSO Id. |
| **5.76** | The record must contain the following information:<br>• SMSO ID<br>• SMSO Effective From Date |
| **5.77** | The registration service will validate that:<br>• Data items are of the correct format<br>• Meter Point exists<br>• SMSO Id is defined in MDD |
| **5.79** | The new allowable values for the Meter Mechanism Code14 will be included in the current files which provide this data item. |
| | **Market Domain Data Changes**<br>**SMSO** |
| **5.84** | New Market Participant allowable value for Market Participant Role should be created so that the new set is:<br><br>ASP      AMR Service Provider<br>ASSPR   Asset Provider<br>C        Gas Act Owner – Consumer<br>CONS    Consumer<br>CONT    Contact<br>GT      Gas Transporter<br>MAM    Meter Asset Manager<br>MTWK   Meter Worker<br>MDDFR  MDD Forum<br>None 19 Gas Act Owner - None<br>S        Gas Act Owner – Supplier<br>SUP     Supplier<br>SHIP    Shipper<br>SMSO   Smart Metering System Operator<br>T        Gas Act Owner – GT<br>TIOWN  Title Owner<br><br>New allowable values should be created for SMSOs. |