Safe Isolation Provider – Solution Overview

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Version 6.0 – Post Implementation 10/07/2023

Change Proposal R0021 introduced a new role - a **Safe Isolation Provider** (SIP), for existing accredited Meter Equipment Managers (MEMs) to allow them to accept instructions to undertake a limited set of activities at the request of the premise owners without the need to use the Registered Suppliers’ MEMs.

**Conditions Precedent**

In order to undertake the activities of a SIP, a REC Accredited MEM must accede to Distribution Code Use of System Agreement (DCUSA), and the REC will require confirmation from DCUSA that this step has been completed.

Premise owners – such as Local Authorities, Housing Associations, Private Landlords or individual homeowners (whether the occupier or not) will be able to contract directly with the SIP to undertake work at their instruction, to facilitate the installation of Isolators or to allow the installation of other equipment in both domestic and non-domestic premises - such as an Electric Vehicle Charging Points, where the SIP will De-energise the supply point and then re-energise it again on completion of this ancillary work.

The Balancing & Settlement Code introduced the new Role Code for use by the SIP, which will be available for SIPs to apply for once they’ve completed their accession to DCUSA. (The lead time for assignment of the code is approximately one month following the SIP’s application).

**Scope of the SIP’s permitted work**

As well as being able to De-energise and re-energise a Supply Point, the SIP will also be permitted to tighten the meter tails while on site, and where appropriate, re-making the connection to them to make safe and remedy any disturbance of the connections that may have occurred unintentionally. The scope of the permitted work is set out in Section 2H of DCUSA…

‘**Safe Isolation Works’** means, in respect of an Entry/Exit Point, works by a SIP Party to:

(a) De-energise that Entry/Exit Point;

(b) (if reasonably necessary) adjust the terminals of the meter and associated equipment and re-make the connection to them to make safe and remedy any disturbance of the connection that may have occurred;

(c) if required, terminate/replace the customer tails on the Electricity Supplier's meter (provided that such tails must have been provided and tested by the SIP Party or the customer's electrical engineer); and

(d) Re-energise that Entry/Exit Point.

The SIP must not undertake any other work related to the Supply Point, or otherwise interfere with the Registered Supplier’s metering equipment.

**Contractual Guidance for the SIP and the Premise owner**

When the SIP contracts with the premise owners, the SIP should ensure that the contract between them requires the premise owners to:

* have given advance notice to any tenants of the impending works, and be required to retain evidence of the tenant’s consent to the carrying out of the work by the SIP;
* have identified any customers who have a medical dependency on electricity where the disconnection of the electricity may put the tenant at risk, and that the premise owners have taken appropriate steps to mitigate this. They will need to have verified whether a third-party is required to be on-site before any work can be commenced and retain appropriate evidence in both circumstances. The information will be collected by the premise owner and the necessary consent gained from the tenant to share this data with the SIP and the tenant’s Registered Supplier (where relevant); and
* to include a provision that the SIP will only be able to re-energise a Metering Point that has been De-energised by the SIP. Where a Metering Point is found to be De-energised when the SIP attends the site to carry out the work, they must abort the work and may not change the energisation status.

**Business process maps**

A set of business process maps are provided in Appendix 1, which sets out specifically the activities that must be undertaken and the responsible parties. Where Market Messages are required, the MM number/DTC flow reference is included in the maps for clarity.

**Before attending site**

The Distribution Network Operator (DNO) requires the SIP (under their DCUSA accession) to provide the DNO with at least 1 Working Days’ notice of the date they intend to carry out the work. This is to ensure that the DNO is aware that if they see clusters of premises or multi-occupancy dwellings going off supply, they will have visibility of the intended work, to avoid prompting unnecessary site visits to deal with off-supply issues related to the SIP Works. The requirements relating to the mechanism by which SIPs must provide advance notification of visits to DNOs are set out in DCUSA Clause 52Z.8.

**On Site**

On attending the premises, the SIP will consider whether they are able to undertake the intended work, carrying out their own risk assessment, which should include assessing whether the tenant has a medical dependency on electricity, and whether a third-party is required to be on site before work begins.

If they find evidence of danger, damage or interference that will prevent the metering equipment from correctly registering the quantity of electricity supplied, they will promptly inform the DNO and/or the Registered Supplier (as appropriate) of the same using the relevant communication methods in the table below.

Both the REC and DCUSA requires the SIP to De-energise and re-energise the Metering Point in the same Working Day, however, when carrying out the work, if the Metering Point needs to remain De-energised beyond the end of the Working Day, the SIP will notify the change in energisation status to the Registered Supplier using the relevant Market Messages set out in the Market Messages table below.

| Nature of the issue | action required of the SIP | by what means |
| --- | --- | --- |
| Defective DNO equipment presents the possibility of danger (category A). | SIP shall Immediately contact the SFIC to report the damage and remain on-site as indicated by the Guidance for Service Termination Issues Reporting. The SIP Works will be put on hold until the danger is rectified. | By telephone |
| DNO equipment which is or may become hazardous (category B or C). | For category B issues, the SIP shall make the site safe and report the issue to the DNO. For category C issues – this should be reported to the DNO, but it is for information only and should not prevent the SIP from carrying out SIP Work.  | Using the (MM00023) D0135 data flow |
| Defective Metering Equipment presents the possibility of danger. | The SIP shall immediately make safe and report the issue to the Registered Supplier, asking the Registered Supplier to request their MEM attends site within 3 hours. | By telephone |
| Metering Equipment which is or may become hazardous. | The SIP should assess whether the defect presents a barrier to the SIP Works. If it does, the SIP shall make the site safe, report the issue to the Registered Supplier and the SIP Work shall be aborted. The SIP will wait for confirmation of the remedy of the issue before re-attempting the SIP Works. | Using the (MM00013) D0002 data flow to report the fault. Request notification of remedy by the Supplier using the Additional Information Field. |
| Metering Equipment which may be or become hazardous. | The SIP should assess whether the defect presents a barrier to the SIP Works. If it does not, the SIP will report the issue to the Registered Supplier and complete the SIP Works. (The Supplier does not need to report the rectification of the issue to the SIP) | Using the (MM00013) D0002 data flow |
| Where the SIP finds apparent evidence of deliberate tampering or interference the SIP will comply with the relevant provisions of -Schedule 8, Unbilled Energy Code of Practice. | The SIP should report any instance of suspected Energy Theft to the Registered Supplier, or to the UKRPA, where the identity of the Registered Supplier is unclear. | Using the (MM00029) D0136 data flow to the Registered Supplier.If the Registered Supplier is unknown, to the [UKRPA](https://ukrpa.co.uk/report-energy-fraud/) |
| If the metering point needs to remain De-energised beyond the end of the Working Day. | The SIP will notify the change in energisation status to the Registered Supplier. | The SIP will send (MM00036) D0139 to the Registered Supplier. |

Where a Smart Meter is already installed that has smart communications already enabled, the SIP should check that communications have been restored on completion of the work.

On the Smart Meter communications hub there are five connectivity indicators (SW, WAN, MESH, HAN, GAS). The SIP should check which of these are in use prior to De-energising the meter and check that they are all returned to the same state when re-energising. Any differences identified will be notified to the Supplier (where not a dual fuel customer – both the electricity and gas suppliers should be notified independently) on completion of the works if the Communications cannot be re-established. (A pre and post photograph or video may prove useful to confirm the status).

If communication was not re-established, the SIP should inform the Registered Supplier of the same (by telephone) and inform the tenant so that the Registered Supplier may take action to resolve this.

**On completion of the work**

The SIP will send the new Market Message to the Supplier to advise that they have successfully completed SIP Works, indicating the date that the work was completed and by whom. The new Market Message will also include confirmation of any SIP Additional Needs Information updates, that the SIP wishes the Supplier to be aware of. The Supplier should consider the information provided and determine whether they need to take any action.

Should the SIP be unable to re-energise the site within the same Working Day (e.g., potential issues related to danger, damage, or interference), a Market Message MM00036 (D0139) Confirmation of Change of Energisation Status, will be sent by the SIP to the Supplier. In these scenarios, the site may not be re-energised by the SIP, this is likely to be undertaken by either the Registered Supplier’s MEM, or the DNO before the relevant clearance reports are sent to the SIP.

If the reason for the delay to re-energisation is not related to incidents of danger, damage, or interference, but is agreed with the tenant/premise owner (e.g., planned work in empty premises – so no consumer detriment), the SIP may return and re-energise the Metering Point on another day, and will send the Market Message MM00036 (D0139) to update the change of energisation status on completion of the work.

| Nature of the issue | action required of the SIP | by what means |
| --- | --- | --- |
| DNO equipment which is or may become hazardous (category B or C). | DNO will remedy the fault and the SFIC will notify the SIP, so that SIP Works can be completed.  | Using the (MM00016) D0126 data flow. |
| Defective Metering Equipment presents the possibility of danger.Metering equipment which is or may become hazardous. | Registered Supplier will instruct their MEM to address the relevant fault, and report the fault resolution to the SIP, so that the SIP Works can be completed. | Using the (MM00013) D0002 data flow. |
| Evidence of interference. | The Registered Supplier will address the apparent tampering or interference and will notify the SIP when SIP Works can be completed. |

**Communication requirements**

The SIP will need to have the ability to send communications to the DNO and the Registered Supplier using Market Messages (DTC flows) over the Data Transfer Network. This will require the SIP to be set up as a new Role Code – the Balancing & Settlement Code have now allocated the new role code of ‘Y’ for the SIP to use, and SIPs will need to apply for this before they can begin to operate as a SIP.

Existing processes that require communication outside of the Market Messages – such as phone or email, for SFIC reporting will use the existing mechanisms and dedicated contacts that the SIP uses for the DNO in their capacity as a REC MEM. The Suppliers will need to provide an appropriate SIP contact point for SIPs to communicate information about communications not being re-established for a smart meter, and more widely for communications during the Phased Implementation regarding faults and interference as well as work completion notifications.

**Assurance**

The work undertaken by the SIP will be subject to the same performance assurance activities as for their role as REC Accredited MEMs. The Scheme Auditor will include work undertaken as a SIP as part of their regular REC MEM audit activities. The SIP will be required to undertake any remediation activities requested by the Auditors, and any escalation or performance management issue will be managed by the REC Scheme Auditors in the same manner as would happen with any issues with their work undertaken in the capacity as a MEM.

APPENDIX 1 – business process flow diagrams

[BUSINESS PROCESS MAPS](#List)

1. [Becoming a Safe Isolation Provider (SIP)](#become)
2. [SIP Contracting with a premise owner & Pre-notifies DNO](#contract)
3. [Onsite activities of SIP – De-energisation](#onsite)
4. [Work completion and re-energisation](#completion)
5. [Safe Isolation Provider market exit](#Exit)



[Return to List](#MapList)



[Return to List](#MapList)



[Return to List](#MapList)



[Return to List](#MapList)

Appendix 2 Market Messages

market messages:

Applicable Market Messages

|  |
| --- |
| **data specification** |
| A New Market Message MM00453 – D0396 – 001 – SIP Event Completed | Introduction of a new flow to include details of the SIP attending the Site and on which date the work was completed. This will include the MPAN, the MPAN address, the SIP ID, and the Supplier ID. It will require the SIP to indicate if an occupier has a medical dependency on electricity, or there is a requirement for a third party to be present when carrying out any work, as well as any other observations that they may wish to make the Supplier aware of in the additional information field, and the Supplier should action any information provided accordingly  |
| MM00013 – D0002 Fault Resolution Report or Request for Decision on Further Action | * New Scenario Variant for SIP to Supplier to request action on fault found.
* New Scenario Variant for Supplier to SIP – to provide fault resolution report.
 |
| MM00023 - D0135 - Asset Condition Report | New Scenario Variant for SIP to SFIC |
| MM00016 – D0126 – Asset Condition Report Response/Clearance | New scenario Variant for response from SFIC to SIP  |
| MM00036 - D0139 - Confirmation or Rejection of Energisation Status Change | New Scenario Variant for SIP to Supplier |
| MM00029 -D0136- Report to Supplier of Possible Irregularity | New Scenario Variant for SIP to Supplier to report potential interference. |

1. New Market MessageD0396 – MM00453 - SIP Event Completed
2. [D0002 – MM00013 - Fault Resolution Report or Request for Decision on Further Action](#MM00013)
3. [D0136 – MM00029 – Report to Supplier of Possible Irregularity (interference)](#MM00029)
4. [D0135 – MM00023 - Asset Condition Report](#MM00023)
5. [D0126 - MM00016 – Asset Condition Report Response/Clearance](#MM00016)
6. [D0139 – MM00036 – Confirmation or rejection of Energisation Status Change](#MM00036)

New Market Messages to be created

**MM00453 - D0396 – 001 - SIP Event Completed**

**Message Flow**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Market Message Reference** | **MM Description** | **Legacy Reference** | **Version** | **Notes** |
| MM00453 | This Market Message is for the SIP to confirm the outcome of work undertaken on a site visit | D0396 | 001 |  |

**Scenario Variants**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Scenario Variant** | **Name** | **Source** | **Target** | **Owner** | **Route** | **Method** |
| SV00496 | Confirmation of completed SIP work  | Safe Isolation Provider | Electricity Supplier | Retail Energy Code Company |  |  |

 **Data Items**

|  |  |  |
| --- | --- | --- |
| **Data Item ID** | **Legacy Reference** | **Name** |
| DI50003 | J0003 | MPAN Core |
| [DI50045](file:///C%3A/Users/rydale/AppData/Local/Temp/7zO8A1B157F/Full%20REC%20Data%20Specification%20-%20HTML%20Format%20%28v3.0.0%29.html#DI50045) | J0084 | Supplier Id |
| DI50009 | J0014 | Date of Action |
| [DI50008](file:///C%3A/Users/rydale/AppData/Local/Temp/7zO8A1B157F/Full%20REC%20Data%20Specification%20-%20HTML%20Format%20%28v3.0.0%29.html#DI50008) | J0012 | Additional Information |
| DI50137 | J0263 | Metering Point Postcode |
| DI50488 | J1036 | Metering Point Address Line 1 |
| DI50489 | J1037 | Metering Point Address Line 2 |
| DI50490 | J1038 | Metering Point Address Line 3 |
| DI50491 | J1039 | Metering Point Address Line 4 |
| DI50492 | J1040 | Metering Point Address Line 5 |
| DI50493 | J1041 | Metering Point Address Line 6 |
| DI50494 | J1042 | Metering Point Address Line 7 |
| DI50495 | J1043 | Metering Point Address Line 8 |
| DI50496 | J1044 | Metering Point Address Line 9 |
| DI51608 | J2321 | SIP ANI – Medical Dependency on Electricity |
| DI51609 | J2322 | SIP ANI – Third Party Presence Required |
| DI51607 | J2320 | SIP ID |

**MM000## Flow Structure**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Group ID** | **Group Description** | **Range** | **Condition** | **L1** | **L2** | **L3** | **L4** | **L5** | **L6** | **L7** | **L8** | **Data Item Name** | **Value Rule** |
| TBC | SIP Details | 1-1 |  | G |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 1 |  |  |  |  |  |  | SIP ID |  |
|  |  |  |  |  | 1 |  |  |  |  |  |  | Supplier Id |  |
| TBC | MPAN Cores | 1-\* |  |  | G |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | MPAN Core |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | Date of Action |  |
| TBC | Metering Point Address | 1-1 | Please reference Address Population Rules. |  |  | G |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | O |  |  |  |  | Metering Point Address Line 1 |  |
|  |  |  |  |  |  |  | O |  |  |  |  | Metering Point Address Line 2 |  |
|  |  |  |  |  |  |  | O |  |  |  |  | Metering Point Address Line 3 |  |
|  |  |  |  |  |  |  | O |  |  |  |  | Metering Point Address Line 4 |  |
|  |  |  |  |  |  |  | O |  |  |  |  | Metering Point Address Line 5 |  |
|  |  |  |  |  |  |  | O |  |  |  |  | Metering Point Address Line 6 |  |
|  |  |  |  |  |  |  | O |  |  |  |  | Metering Point Address Line 7 |  |
|  |  |  |  |  |  |  | O |  |  |  |  | Metering Point Address Line 8 |  |
|  |  |  |  |  |  |  | O |  |  |  |  | Metering Point Address Line 9 |  |
|  |  |  |  |  |  |  | O |  |  |  |  | Metering Point Postcode |  |
| TBC | SIP Additional Needs Information | 0-\* |  |  |  | G |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 1 |  |  |  |  | SIP ANI – Medical Dependency on Electricity |  |
|  |  |  |  |  |  |  | 1 |  |  |  |  | SIP ANI – Third Party Presence Required |  |
|  |  |  |  |  |  |  | O |  |  |  |  | Additional Information |  |

# New Data Items to be created

**DI51607 - J2320 - SIP ID**

**Data Item**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Item Reference** | **Item Description** | **Legacy Reference** | **Data Item Owner** | **Logical Length** | **Decimal Length** | **Physical Length** | **Data Type** | **Data Type Format** |
| DI51607 | The unique market-wide reference for a Safe Isolation Provider | J2320 | Retail Energy Code Company | 4 | 0 | 4 | String | Edifact Level B DTS Variant |

**DI51608 - J2321 - SIP ANI – Medical Dependency on Electricity**

**Data Item**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Item Reference** | **Item Description** | **Legacy Reference** | **Data Item Owner** | **Logical Length** | **Decimal Length** | **Physical Length** | **Data Type** | **Data Type Format** |
| DI51608 | An indicator for the SIP to communicate where a medical dependency on electricity has been identified | J2321 | Retail Energy Code Company | 1 | 0 | 1 | Boolean | Indicator (T/F) |

**DI51609 - J2322 - SIP ANI – Third Party Presence Required**

**Data Item**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Item Reference** | **Item Description** | **Legacy Reference** | **Data Item Owner** | **Logical Length** | **Decimal Length** | **Physical Length** | **Data Type** | **Data Type Format** |
| DI51609 | An indicator for the SIP to communicate where a third party presence is required for additional needs | J2322 | Retail Energy Code Company | 1 | 0 | 1 | Boolean | Indicator (T/F) |

[Back to List](#Back)

Changes to existing Market Messages

MM00013 - D0002 - 001 - Fault Resolution Report or Request for Decision on Further Action

**Message Flow**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Market Message Reference** | **MM Description** | **Legacy Reference** | **Version** | **Notes** |
| MM00013 | Fault Investigation has been carried out and a report on an action taken is being made or a request for a decision on next course of action. | D0002 | 001 | Where an AMVLP (Asset Metering Virtual Lead Party) is involved, the MPAN Core must contain an AMSID (Asset Metering System Identifier) and not an MPAN |

**Scenario Variants**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Scenario Variant** | **Name** | **Source** | **Target** | **Owner** | **Route** | **Method** |
| SV00013 | Fault Resolution Report or Request for Decision on Further Action | Half Hourly Data Collector | Distribution Network Operator | Balancing and Settlement Code Company |  |  |
| SV00024 | Fault Resolution Report or Request for Decision on Further Action | Half Hourly Data Collector | Electricity Supplier | Balancing and Settlement Code Company |  |  |
| SV00035 | Fault Resolution Report or Request for Decision on Further Action | Electricity Meter Equipment Manager | Half Hourly Data Collector | Balancing and Settlement Code Company |  |  |
| SV00046 | Fault Resolution Report or Request for Decision on Further Action | Electricity Meter Equipment Manager | Electricity Meter Equipment Manager | Balancing and Settlement Code Company |  |  |
| SV00057 | Fault Resolution Report or Request for Decision on Further Action | Electricity Meter Equipment Manager | Non-Half Hourly Data Collector | Balancing and Settlement Code Company |  |  |
| SV00068 | Fault Resolution Report or Request for Decision on Further Action | Electricity Meter Equipment Manager | Electricity Supplier | Balancing and Settlement Code Company |  |  |
| SV00452 | Fault Resolution Report or Request for Decision on Further Action | Half Hourly Data Collector | Asset Metering Virtual Lead Party | Balancing and Settlement Code Company |  |  |
| SV00453 | Fault Resolution Report or Request for Decision on Further Action | Electricity Meter Equipment Manager | Asset Metering Virtual Lead Party | Balancing and Settlement Code Company |  |  |
| SV00490 | Fault Resolution Report or Request for Decision on Further Action | Safe Isolation Provider (SIP) | Electricity Supplier | Balancing and Settlement Code Company |  |  |
| SV00491  | Fault Resolution Report or Request for Decision on Further Action  | Electricity Supplier   | Safe Isolation Provider (SIP)  | Balancing and Settlement Code Company  |  |  |

**Data Items**

|  |  |  |
| --- | --- | --- |
| **Data Item ID** | **Legacy Reference** | **Name** |
| DI50003 | J0003 | MPAN Core |
| DI50004 | J0004 | Meter Id (Serial Number) |
| DI50006 | J0008 | Nature of Maintenance |
| DI50007 | J0010 | Meter Register Id |
| DI50008 | J0012 | Additional Information |
| DI50009 | J0014 | Date of Action |
| DI50016 | J0024 | Site Visit Check Code |
| DI50098 | J0173 | Reason for Request |
| DI50468 | J1012 | Date Fault Suspected/Detected |

**MM00013 Flow Structure**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Group ID** | **Group Description** | **Range** | **Condition** | **L1** | **L2** | **L3** | **L4** | **L5** | **L6** | **L7** | **L8** | **Data Item Name** | **Value Rule** |
| 004 | Metering Points Inspected | 1-\* |  | G |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 1 |  |  |  |  |  |  | MPAN Core |  |
|  |  |  |  |  | 1 |  |  |  |  |  |  | Reason for Request |  |
|  |  |  |  |  | 1 |  |  |  |  |  |  | Date Fault Suspected/Detected |  |
| 005 | Meter Detail per MPAN Core | 0-\* | Meter Detail per MPAN Core message collection is Mandatory if a Metering Asset is installed at the Metering Point. If a Metering Asset is not installed at a Metering Point the message collection must be Not Present. |  | G |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | Meter Id (Serial Number) |  |
|  |  |  |  |  |  | C |  |  |  |  |  | Additional Information |  |
| 006 | Meter Registers Inspected | 1-\* |  |  |  | G |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 1 |  |  |  |  | Meter Register Id |  |
|  |  |  |  |  |  |  | O |  |  |  |  | Date of Action |  |
|  |  |  |  |  |  |  | O |  |  |  |  | Nature of Maintenance |  |
| 760 | Site Visit Information | 0-\* |  |  | G |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | Site Visit Check Code |  |
|  |  |  | If Site Visit Check Code equals 88 then Additional information is Mandatory. |  |  | C |  |  |  |  |  | Additional Information |  |

[Back to List](#Back)

New Data Items to be created

DI51607 - J2320 - SIP ID

**Data Item**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Data Item Reference** | **Item Description** | **Legacy Reference** | **Data Item Owner** | **Logical Length** | **Decimal Length** | **Physical Length** | **Data Type** | **Data Type Format** |
| DI51607 | The unique market-wide reference for a Safe Isolation Provider (SIP) | J2320 | Retail Energy Code Company | 4 | 0 | 4 | String | Edifact Level B DTS Variant |

MM00029 - D0136 - 001 - Report to Supplier of Possible Irregularity

**Message Flow**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Market Message Reference** | **MM Description** | **Legacy Reference** | **Version** | **Notes** |
| MM00029 | A report of the existence of a possible irregularity which may require further investigation by a Revenue Protection Service. | D0136 | 001 | Tampering Code is a general guide to the nature or symptoms of the suspected irregularity. Additional information should be provided wherever possible.Though all of the address data items included in this flow are defined within the structure as being optional, the address itself is mandatory and must be included in the flow. The use of any individual address item cannot be made mandatory as, in the absence of an agreed address structure for all flows, an address may be constructed from any combination of the Address Line and Postcode items. |

**Scenario Variants**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Scenario Variant** | **Name** | **Source** | **Target** | **Owner** | **Route** | **Method** |
| SV00029 | Report to Supplier of Possible Irregularity | Distribution Network Operator | Electricity Supplier | Retail Energy Code Company |  |  |
| SV00030 | Report to Supplier of Possible Irregularity | Half Hourly Data Collector | Electricity Supplier | Retail Energy Code Company |  |  |
| SV00031 | Report to Supplier of Possible Irregularity | Electricity Meter Equipment Manager | Electricity Supplier | Retail Energy Code Company |  |  |
| SV00032 | Report to Supplier of Possible Irregularity | Non Half Hourly Data Collector | Electricity Supplier | Retail Energy Code Company |  |  |
| SV00033 | Report to Supplier of Possible Irregularity | Non Half Hourly Data Retriever | Non Half Hourly Data Collector | Retail Energy Code Company |  |  |
| SV00034 | Report to Supplier of Possible Irregularity | Electricity Pre-Payment Metering Infrastructure Provider | Electricity Supplier | Retail Energy Code Company |  |  |
| SV00492 | Report to Supplier of Possible Irregularity | Safe Isolation Provider | Electricity Supplier | Retail Energy Code Company |  |  |

**Data Items**

|  |  |  |
| --- | --- | --- |
| **Data Item ID** | **Legacy Reference** | **Name** |
| DI50003 | J0003 | MPAN Core |
| DI50004 | J0004 | Meter Id (Serial Number) |
| DI50008 | J0012 | Additional Information |
| DI50137 | J0263 | Metering Point Postcode |
| DI50174 | J0375 | Customer Name |
| DI50194 | J0419 | Meter Location |
| DI50207 | J0451 | Tampering Code |
| DI50389 | J0822 | Tampering Report Date |
| DI50488 | J1036 | Metering Point Address Line 1 |
| DI50489 | J1037 | Metering Point Address Line 2 |
| DI50490 | J1038 | Metering Point Address Line 3 |
| DI50491 | J1039 | Metering Point Address Line 4 |
| DI50492 | J1040 | Metering Point Address Line 5 |
| DI50493 | J1041 | Metering Point Address Line 6 |
| DI50494 | J1042 | Metering Point Address Line 7 |
| DI50495 | J1043 | Metering Point Address Line 8 |
| DI50496 | J1044 | Metering Point Address Line 9 |

**MM00029 Flow Structure**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Group ID** | **Group Description** | **Range** | **Condition** | **L1** | **L2** | **L3** | **L4** | **L5** | **L6** | **L7** | **L8** | **Data Item Name** | **Value Rule** |
| 259 | Suspect Metering Points | 1-\* |  - Please reference Address Population Guidance v1.0. | G |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 1 |  |  |  |  |  |  | MPAN Core |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 1 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 2 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 3 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 4 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 5 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 6 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 7 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 8 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 9 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Postcode |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Customer Name |  |
| 260 | Suspect Meters | 1-\* |  |  | G |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | Meter Id (Serial Number) |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | Tampering Code |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | Tampering Report Date |  |
|  |  |  |  |  |  | O |  |  |  |  |  | Meter Location |  |
|  |  |  |  |  |  | O |  |  |  |  |  | Additional Information |  |

[Back to List](#Back)

MM00023 - D0135 - 002 - Asset Condition Report

**Message Flow**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Market Message Reference** | **MM Description** | **Legacy Reference** | **Version** | **Notes** |
| MM00023 | A report to the System Fault Information Centre of a concern with the Service Termination Equipment which does not require emergency attention | D0135 | 002 | Assumed that urgent safety issues, ie immediate danger, would be subject to individual telephone call direct to SFIC. Nature of defect to be shown in additional data field.Though all of the address data items included in this flow are defined within the structure as being optional, the address itself is mandatory and must be included in the flow. The use of any individual address item cannot be made mandatory as, in the absence of an agreed address structure for all flows, an address may be constructed from any combination of the Address Line and Postcode items.This flow is only used to report Category B and C asset condition reports to the SFIC. Category A reports will be made by telephone. |

**Scenario Variants**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Scenario Variant** | **Name** | **Source** | **Target** | **Owner** | **Route** | **Method** |
| SV00023 | Asset Condition Report | Half Hourly Data Collector | Supply Fault Information Centre | Balancing and Settlement Code Company |  |  |
| SV00025 | Asset Condition Report | Electricity Meter Equipment Manager | Supply Fault Information Centre | Balancing and Settlement Code Company |  |  |
| SV00026 | Asset Condition Report | Non Half Hourly Data Collector | Supply Fault Information Centre | Balancing and Settlement Code Company |  |  |
| SV00027 | Asset Condition Report | Non Half Hourly Data Retriever | Non Half Hourly Data Collector | Balancing and Settlement Code Company |  |  |
| SV00028 | Asset Condition Report | Electricity Supplier | Supply Fault Information Centre | Balancing and Settlement Code Company |  |  |
| SV00493 | Asset Condition Report | Safe Isolation Provider (SIP) | Supply Fault Information Centre | Balancing and Settlement Code Company |  |  |

**Data Items**

|  |  |  |
| --- | --- | --- |
| **Data Item ID** | **Legacy Reference** | **Name** |
| DI50003 | J0003 | MPAN Core |
| DI50004 | J0004 | Meter Id (Serial Number) |
| DI50008 | J0012 | Additional Information |
| DI50045 | J0084 | Supplier Id |
| DI50137 | J0263 | Metering Point Postcode |
| DI50194 | J0419 | Meter Location |
| DI50235 | J0489 | Contact Name |
| DI50236 | J0490 | Contact Telephone Number |
| DI50488 | J1036 | Metering Point Address Line 1 |
| DI50489 | J1037 | Metering Point Address Line 2 |
| DI50490 | J1038 | Metering Point Address Line 3 |
| DI50491 | J1039 | Metering Point Address Line 4 |
| DI50492 | J1040 | Metering Point Address Line 5 |
| DI50493 | J1041 | Metering Point Address Line 6 |
| DI50494 | J1042 | Metering Point Address Line 7 |
| DI50495 | J1043 | Metering Point Address Line 8 |
| DI50496 | J1044 | Metering Point Address Line 9 |
| DI51121 | J1824 | Asset Condition Code |
| DI51122 | J1825 | Asset Condition Report Date |
| DI51354 | J2062 | Smart Meter Installation Visit |

**MM00023 Flow Structure**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Group ID** | **Group Description** | **Range** | **Condition** | **L1** | **L2** | **L3** | **L4** | **L5** | **L6** | **L7** | **L8** | **Data Item Name** | **Value Rule** |
| 257 | MPAN Cores | 1-\* |  - Please reference Address Population Guidance v1.0. | G |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 1 |  |  |  |  |  |  | MPAN Core |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 1 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 2 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 3 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 4 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 5 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 6 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 7 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 8 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Address Line 9 |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Metering Point Postcode |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Contact Name |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Contact Telephone Number |  |
|  |  |  |  |  | 1 |  |  |  |  |  |  | Supplier Id |  |
| 258 | Meters per MPAN Core | 1-\* |  |  | G |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | O |  |  |  |  |  | Meter Id (Serial Number) |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | Meter Location |  |
|  |  |  |  |  |  | O |  |  |  |  |  | Additional Information |  |
| 60H | Asset Condition | 0-0 |  |  | G |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | Smart Meter Installation Visit |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | Asset Condition Report Date |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | Asset Condition Code |  |

[Back to List](#Back)

MM00016 - D0126 - 001 - Asset Condition Report Response / Clearance

**Message Flow**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Market Message Reference** | **MM Description** | **Legacy Reference** | **Version** | **Notes** |
| MM00016 | The System Fault Information Centre is informing the Supplier and MOP of the outcome of an investigation into a report of a Category A report by telephone, or a Category B report by a D0135 flow | D0126 | 001 | This flow shall be sent for all Urgent Actions reported, i.e. Category A and B issues.The Distribution Business will send the D0126 to the Supplier and Meter Operator registered within MPAS on the day the flow is sent. This may not be the Supplier or Meter Operator reporting the issue.Where “Asset Condition Clearance Code” (J1823) is populated with ‘D’ (Disputed – no defect identified that prevents meter installation), ‘R’ (Resolved – defect cleared but Asset Condition Category less serious than reported) or ‘U’ (Unable to Resolve), the Distribution Business must provide an explanation of why the code has been used within “Additional Information” (J0012). |

**Scenario Variants**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Scenario Variant** | **Name** | **Source** | **Target** | **Owner** | **Route** | **Method** |
| SV00015 | Asset Condition Report Response / Clearance | Supply Fault Information Centre | Electricity Meter Equipment Manager | Balancing and Settlement Code Company |  |  |
| SV00016 | Asset Condition Report Response / Clearance | Supply Fault Information Centre | Electricity Supplier | Balancing and Settlement Code Company |  |  |
| SV00494 | Asset Condition Report Response / Clearance | Supply Fault Information Centre | Safe Isolation Provider (SIP) | Balancing and Settlement Code Company |  |  |

**Data Items**

|  |  |  |
| --- | --- | --- |
| **Data Item ID** | **Legacy Reference** | **Name** |
| DI50003 | J0003 | MPAN Core |
| DI50006 | J0008 | Nature of Maintenance |
| DI50008 | J0012 | Additional Information |
| DI51119 | J1822 | Asset Condition Clearance Date |
| DI51120 | J1823 | Asset Condition Clearance Code |
| DI51121 | J1824 | Asset Condition Code |
| DI51122 | J1825 | Asset Condition Report Date |

**MM00016 Flow Structure**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Group ID** | **Group Description** | **Range** | **Condition** | **L1** | **L2** | **L3** | **L4** | **L5** | **L6** | **L7** | **L8** | **Data Item Name** | **Value Rule** |
| 250 | MPAN Cores | 1-\* |  | G |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 1 |  |  |  |  |  |  | MPAN Core |  |
|  |  |  |  |  | 1 |  |  |  |  |  |  | Nature of Maintenance |  |
|  |  |  | Additional Information is Mandatory if Asset Condition Code equals D, R or U; for any other value, Additional Information is Optional. |  | C |  |  |  |  |  |  | Additional Information |  |
| 61H | Asset Condition Response | 1-1 |  |  | G |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | Asset Condition Report Date |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | Asset Condition Code |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | Asset Condition Clearance Code |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | Asset Condition Clearance Date |  |

[Back to List](#Back)

MM00036 - D0139 - 002 - Confirmation or Rejection of Energisation Status Change

**Message Flow**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Market Message Reference** | **MM Description** | **Legacy Reference** |  | **Version** | **Notes** |
| MM00036 | This flow confirms that the Energisation Status of a metering point has been changed, or notifies that a change was not possible and gives the reason for failure. | D0139 |  | 002 | Where an AMVLP (Asset Metering Virtual Lead Party) is involved, the MPAN Core must contain an AMSID (Asset Metering System Identifier) and not an MPAN |

**Scenario Variants**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Scenario Variant** | **Name** | **Source** | **Target** | **Owner** | **Route** | **Method** |
| SV00036 | Confirmation or Rejection of Energisation Status Change | Distribution Network Operator | Electricity Meter Equipment Manager | Retail Energy Code Company |  |  |
| SV00037 | Confirmation or Rejection of Energisation Status Change | Distribution Network Operator | Electricity Supplier | Retail Energy Code Company |  |  |
| SV00038 | Confirmation or Rejection of Energisation Status Change | Electricity Meter Equipment Manager | Distribution Network Operator | Retail Energy Code Company |  |  |
| SV00039 | Confirmation or Rejection of Energisation Status Change | Electricity Meter Equipment Manager | Half Hourly Data Collector | Retail Energy Code Company |  |  |
| SV00040 | Confirmation or Rejection of Energisation Status Change | Electricity Meter Equipment Manager | Non Half Hourly Data Collector | Retail Energy Code Company |  |  |
| SV00041 | Confirmation or Rejection of Energisation Status Change | Electricity Meter Equipment Manager | Electricity Supplier | Retail Energy Code Company |  |  |
| SV00461 | Confirmation or Rejection of Energisation Status Change | Electricity Meter Equipment Manager | Asset Metering Virtual Lead Party | Retail Energy Code Company |  |  |
| SV00495 | Confirmation or Rejection of Energisation Status Change | Safe Isolation Provider (SIP) | Electricity Supplier | Retail Energy Code Company |  |  |

**Data Items**

|  |  |  |
| --- | --- | --- |
| **Data Item ID** | **Legacy Reference** | **Name** |
| DI50003 | J0003 | MPAN Core |
| DI50004 | J0004 | Meter Id (Serial Number) |
| DI50007 | J0010 | Meter Register Id |
| DI50009 | J0014 | Date of Action |
| DI50016 | J0024 | Site Visit Check Code |
| DI50019 | J0040 | Register Reading |
| DI50041 | J0080 | Energisation Status |
| DI50097 | J0171 | Reading Type |
| DI50623 | J1253 | Failure to Energise or De-Energise Reason Code |

**MM00036 Flow Structure**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Group ID** | **Group Description** | **Range** | **Condition** | **L1** | **L2** | **L3** | **L4** | **L5** | **L6** | **L7** | **L8** | **Data Item Name** | **Value Rule** |
| 261 | MPAN Cores | 1-\* |  | G |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | 1 |  |  |  |  |  |  | MPAN Core |  |
|  |  |  |  |  | 1 |  |  |  |  |  |  | Energisation Status |  |
|  |  |  |  |  | 1 |  |  |  |  |  |  | Date of Action |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Failure to Energise or De-Energise Reason Code |  |
|  |  |  |  |  | O |  |  |  |  |  |  | Site Visit Check Code |  |
| 262 | Meter Detail per MPAN Core | 0-\* |  |  | G |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 1 |  |  |  |  |  | Meter Id (Serial Number) |  |
| 263 | Register Details per Meter | 0-\* |  |  |  | G |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 1 |  |  |  |  | Meter Register Id |  |
|  |  |  |  |  |  |  | 1 |  |  |  |  | Reading Type |  |
|  |  |  |  |  |  |  | O |  |  |  |  | Register Reading |  |

[Back to List](#Back)