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# Retail Market Message Guide

## Meter Registration

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| <i>Document Information</i> |                          |
|-----------------------------|--------------------------|
| Business Area:              | ESB Networks             |
| Status:                     | Final                    |
| Author/s:                   | ESBN                     |
| Version Number:             | 5.1                      |
| Reason for Change           | Market Schema Guide V5.1 |

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| <b>Document Updates</b> |             |   |                |
|-------------------------|-------------|---|----------------|
| <b>Name</b>             | <b>Date</b> | <b>Reason</b>   | <b>Version</b> |
| H&SP Project            | 22/02/2012  | Initial Draft   | 2.3            |
| MMR 10.2                | 21/11/2013  | Updated following approval at IGG of MCR 1134   | 2.4            |
| Co-MMR 10.4             | 11/02/2015  | MM102R – Codes IA & TIM added   | 2.5            |
| Co-MMR 10.6             | 04/12/2015  | AIQ 2849 – Updated to reflect changes required as per MCR 1156. MMM 011 Page 38 – the following text was added to Purpose and Description of Message/Validation: Cancellation Reason Code OS is not permissible MM 011 after the 10 day objection window has expired.   | 2.6            |
| Co-MMR 10.7             | 02.06.2016  | AIQ 2974 – Page 23 Change of Legal Tenancy, changed “100 KVA” to “medium voltage”.<br>AIQ 2976 – Page 38 MM010 – Reading. “Read date on the meter” removed.<br><br>AIQ 5921 – The following text was added to Change of Supplier Read Arrangement Description on page 24.<br><br>SP – Special Read. Supplier requests Special Read. | 2.7            |
| Schema Release V11.0    | 05.08.2016  | MCR 1111 – Automated Debt Flagging – Introduction of Automated Debt Flagging solution to the Retail Market<br>MCR 1122 – Essential Plant Introduction of Flag to identify sites with Essential Plant  | 3.0            |
| Co-MMR 11.1             | 02.10.2017  | Re-versioned as part of Co-MMR 11.1   | 3.1            |

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| <b>Document Updates</b> |             |   |                |
|-------------------------|-------------|---|----------------|
| <b>Name</b>             | <b>Date</b> | <b>Reason</b>   | <b>Version</b> |
| Schema Release V12.0    | 23.04.2019  | Re-versioned as part of Schema Release 12.0<br>MCR1173: Vulnerable Customer Implementation in Rol of SI 463<br>MCR1140: Introduction of Eircodes into the Retail Market in Ireland<br>MCR1184 – Cooling off for CoS   | 4.0            |
| Co-MMR 12.1             | 19.08.2020  | Re-versioned as part of Co-MMR 12.1   | 4.1            |
| Schema Release V13.0    | 16.02.2021  | Re-versioned as part of Schema Release V13.0 (Smart)<br><br>MCR0176 E-Mail Address Validation<br><br>MCR1159 Smart Metering Change of Supplier<br><br>MCR1161 Smart Metering New Connections  | 5.0            |
| MMR 13.2                | 15.12.2021  | 101MM and 105MM - 'Additional codes needed to cater for NI.' deleted. Validation text reworded 'Validation ensures that only codes relevant to ROI are provided and invalid codes are rejected'<br>010R MM and 102R MM - DIJ Rejection Reason code text added- (valid until market schema is changed) | 5.1            |
| MMR 13.6                | ??/09/2023  | MCR1225 MCC02 Exchanges Impacts:<br>101R MM and 102R MM – IA Reject Reason Code includes request for SMART services for MCC02 meters  |                |

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# 1 Introduction

## 1.1 Purpose of the Message Implementation Guide

This document is a Message Implementation Guide to assist Suppliers in:

- The construction of market messages to be sent to DSO and MRSO; and
- The interpretation of messages received from DSO and MRSO.

The Message Implementation Guides are organized into separate **Message Groups** documents based around key business processes. These are:

- Meter Registration, including Change of Supplier
- Customer Data and Agreements
- Data Processing
- Data Aggregation
- DUoS and Transaction Payments
- Meter Works
- SSA
- Unmetered
- Market Gateway Activity

This document is the **Meter Registration Message Group** Implementation Guide.

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Each Message Group section contains:

- An introduction outlining the scope and business context for the message group
- A Message Usage Summary with a description of when each message is used
- A list of Related Business Documents that govern the process
- A message directory with a section for each separate message which includes:
  - A description of each message and when it should be used
  - An overview diagram of the structure of the message.
  - For messages sent by Suppliers:
    - A table containing composition instructions on how to populate each segment and field
    - A table describing how the message will be validated
    - A description of the responses that can be expected
  - For messages sent by ESB Networks:
    - A table containing a description of how each segment and field will be populated.

The same type of data is often provided in several messages and, irrespective of the message type, this data is subject to common rules for population. An example is the Meter Point Address.



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A separate document exists to describe the population rules for these types of data, providing:

- An overview of the structure of the segment
- Instructions relating to how to populate each segment and field.

This document is the **Common Data Segments** Guide.

### 1.2 Validation

The document provides notes on how ESB Networks will validate the messages received. The purpose of these notes is to aid the Supplier in the population of each message and is intended to avoid instances where messages are rejected due to the incorrect population of a message field. The validation described is therefore limited to field specific validations.

Syntax validation is excluded from the validation notes. This is performed by using standard XML Schema validation against the ieXML schema provided that defines the data structures of all market messages in scope. Syntax validation includes:

- Checks that the structure of the message is correct
- Checks that all mandatory fields are provided. Mandatory fields are, however, indicated in the instructions for populations.
- Checks that any data code is selected from the list of data codes issued in the ROI Market Design.

In cases where the segment on a message fails on any of these reasons, a negative acknowledgement is sent back as a market message to the message sender containing the following information:

- The Transaction Reference Number supplied on the inbound message
- A copy of the message contents as received by ESB Networks

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- A description of the error.

General market process validations that are not specific to individual market message fields are excluded. These are described in the appropriate ROI specific Market Procedure Documents (MPD) referenced in each section.

If there is any inconsistency between an MPD and the Message Implementation Guide then the MPD will take precedence.

### 1.3 Message Version

This Message Guide refers to and is consistent with the Discussion Request (DR 176) which is based on Market Design version 8 and the 131 market message from MCR0171. NI specific validations are not included in this guide.

### 1.4 Notes

No message structure has been provided for message 102N as this message is redundant.

This document refers to segment and field levels which should be interpreted as follows:

- The level number indicated against the segment refers to the level of the data items and segments within that segment. Therefore, for example, in message 010 where 'MPRN Level Information –Level 2' is stated it is the data items and segments that comprise 'MPRN Level Information' that are level two items (e.g. MPRN field, Market Participant Business Reference field, Meter Point Address segment). Accordingly, within this document, MPRN Level Information segment is shown as a Level 1 segment.
- Message Header is a Level 1 segment is a child of Header Level Information.

## 2 Registration message group

### 2.1 Scope and Business Context

The purpose of the Registration Messages is to enable a Supplier to register a Meter Point upon conclusion of an agreement to supply and to receive relevant data regarding that Meter Point.

Registration Messages are used in the following business contexts:

- The Registration of a New Connection; where message 010 is sent by a Supplier and messages 101R, 101P and 101. In addition messages 331 in order to communicate Interval meter details and 332 may be received in order to communicate Non Interval meter details and opening readings. These messages are described in the Meter Works document.
- A Change of Supplier; where message 010 is sent by a Supplier and messages 102R, 102N, 102P, 102, 105, 110, 310 and 320 may be received. In addition there are three additional messages that a Supplier may use to provide and dispute Change of Supplier meter readings. These messages are 208, 210 and 252 and are described in the section on Data Processing as is the Customer Read rejection message 303R. Change of Supplier reading withdrawal messages 310W and 320W are described here.
- The Cancellation of a Change of Supplier; where messages 011 and 011A may be sent and 111A and 111 received
- An Objection for Erroneous Transfer; where messages 012 and 012W may be sent and 112, 112R and 112W received
- An Objection for Debt, where message 012 may be sent and 112,112R received

The purpose of the De-Registration Messages is to enable a Supplier to de-register a Meter Point where there is no longer a customer or premise to be supplied. Message 021 is sent and message 122 or 122R will be received.

The following table lists the Market Process Diagrams (MPD) where the Registration Messages are used:

## Retail Market Message Guide – Meter Registration

|         |   |
|---------|---|
| MPD 1   | Change of Supplier –Non Interval Metered        |
| MPD 2   | Change of Supplier –Interval Metered            |
| MPD 3   | Change of Supplier – Objection and Cancellation |
| MPD 3.1 | Change of Supplier – Automated Debt Flagging    |
| MPD 5   | New Non Interval Metered Connection             |
| MPD 6   | New Interval Metered Connection                 |
| MPD 7   | New Non Despatchable Generator                  |
| MPD 19  | Terminate Connection                            |
| MPD 21  | De-Registration                                 |
| MPD 28  | New Technical MPRN 1.2                          |
| MPD 33  | CoS Single Point Unmetered                      |

### 2.2 Message Usage Summary

The following table provides a trigger list for each message described in this section detailing when it is used.

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| Message | Title  | Sender       | Recipient                     | Trigger  | Predecessor | MPD Ref.                  |
|---------|--|--------------|-------------------------------|--|-------------|---------------------------|
| 010     | Registration Request                               | Supplier     | MRSO                          | Supplier decides to register Meter Point   | none        | MPD 1, 2, 5, 6, 7, 28, 33 |
| 011     | Cancel Registration Request                        | Supplier     | MRSO                          | Supplier decides to cancel registration  | none        | MPD 3, 3.1                |
| 011A    | Cancel Change of Supplier Agreement                | Supplier     | MRSO                          | Old Supplier responds to cancellation request with their agreement/disagreement          | 111A        | MPD 3                     |
| 012     | Objection to Change of Supplier                    | Old Supplier | MRSO                          | Old Supplier decides to object to an erroneous transfer or to object for Debt            | none        | MPD 3, 3.1                |
| 012W    | Withdrawal of Objection                            | Old Supplier | MRSO                          | Old Supplier decides to withdraw an objection to an erroneous transfer                   | none        | MPD 3                     |
| 021     | De-Registration Request                            | Supplier     | MRSO                          | Supplier decides to de-register a Meter Point  | none        | MPD 21                    |
| 101     | New Connection Registration Acceptance             | MRSO         | New Supplier + TSO (Interval) | MRSO accepts a valid registration for a newly connected Meter Point (after energisation) | 010         | MPD 5, 6, 7, 28           |
| 101P    | New Connection Registration Provisional Acceptance | MRSO         | New Supplier                  | MRSO accepts a valid registration for a newly connected Meter Point but with conditions  | 010         | MPD 5, 6, 7, 28           |
| 101R    | New Connection Registration Rejection              | MRSO         | New Supplier                  | MRSO receives an invalid registration for a newly connected Meter Point                  | 010         | MPD 5, 6, 7, 28           |
| 102     | Change of Supplier Registration Acceptance         | MRSO         | New Supplier                  | MRSO accepts a valid registration for a Change of Supplier                               | 010         | MPD 1, 2, 33              |

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| Message | Title  | Sender | Recipient                     | Trigger  | Predecessor                                      | MPD Ref.     |
|---------|--|--------|-------------------------------|--|--|--------------|
| 102P    | Change of Supplier Registration Provisional Acceptance | MRSO   | New Supplier                  | MRSO accepts a valid registration for a Change of Supplier but with conditions         | 010  | MPD 1, 2, 33 |
| 102R    | Change of Supplier Registration Rejection              | MRSO   | New Supplier                  | MRSO receives an invalid registration for a Change of Supplier                         | 010  | MPD 1, 2, 33 |
| 105     | Change of Supplier Confirmation                        | MRSO   | New Supplier + TSO (Interval) | All conditions are satisfied for an accepted Change of Supplier registration request   | 010 from New Supplier; or / Supplier Termination | MPD 1, 2, 33 |
| 105L    | Change of Supplier Confirmation                        | MRSO   | Old Supplier                  | All conditions are satisfied for an accepted Change of Supplier registration request   | 010 from New Supplier; or / Supplier Termination | MPD 1, 2, 33 |
| 110     | Notification to Old Supplier of Change of Supplier     | MRSO   | Old Supplier                  | MRSO accepts or provisionally accepts a registration request (010) from a New Supplier | 010 from New Supplier                            | MPD 1, 2, 33 |
| 111     | Registration Cancellation (New Supplier)               | MRSO   | New Supplier + TSO (Interval) | All conditions are satisfied for cancellation of a registration                        | 011 or 011A                                      | MPD 3, 3.1   |
| 111L    | Registration Cancellation (Old Supplier)               | MRSO   | Old Supplier                  | All conditions are satisfied for cancellation of a registration                        | 011 or 011A                                      | MPD 3, 3.1   |

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| Message | Title  | Sender | Recipient                 | Trigger  | Predecessor                                    | MPD Ref.   |
|---------|--|--------|---------------------------|--|--|------------|
| 111A    | Change of Supplier Cancellation Notification | MRSO   | Old Supplier              | MRSO receives a valid cancellation request (011) for a completed Change of Supplier  | 011 from New Supplier                          | MPD 3      |
| 111R    | Change of Supplier Cancellation Rejection    | MRSO   | New Supplier              | MRSO receives an invalid Change of Supplier cancellation request                     | 011  | MPD 3, 3.1 |
| 112     | Notification of Objection                    | MRSO   | New Supplier              | MRSO receives a valid notification of objection (012) to a Change of Supplier        | 012 from Old Supplier                          | MPD 3, 3.1 |
| 112R    | Notification of Objection Rejection          | MRSO   | Old Supplier              | MRSO receives an invalid notification of objection to a Change of Supplier           | 012  | MPD 3      |
| 112W    | Withdrawal of Objection                      | MRSO   | New Supplier              | MRSO receives a withdrawal of an objection (012W) to a Change of Supplier            | 012W from Old Supplier                         | MPD 3      |
| 122     | De-Registration Confirmation                 | MRSO   | Supplier + TSO (Interval) | MRSO receives a valid de-registration request which is not rejected by DSO           | 021 or Termination                             | MPD 19, 21 |
| 122R    | De-Registration Rejection                    | MRSO   | Supplier                  | MRSO receives an invalid de-registration request or one that is rejected by DSO      | 021  | MPD 21     |
| 310     | Validated Change of Supplier Reading         | MRSO   | Old Supplier              | All conditions are satisfied for an accepted Non Interval metered Change of Supplier | 010 from New Supplier; or Supplier Termination | MPD 1      |

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| Message | Title                                | Sender | Recipient    | Trigger  | Predecessor           | MPD Ref. |
|---------|--------------------------------------|--------|--------------|--|-----------------------|----------|
| 310W    | Withdrawn Change of Supplier Reading | MRSO   | Old Supplier | A Change of Supplier reading is withdrawn  | 310                   | MPD 1    |
| 320     | Validated Change of Supplier Reading | MRSO   | New Supplier | All conditions are satisfied for an accepted Non Interval metered Change of Supplier | 010 from New Supplier | MPD 1    |
| 320W    | Withdrawn Change of Supplier Reading | MRSO   | New Supplier | A Change of Supplier reading is withdrawn  | 320                   | MPD 1    |

The following table provides a trigger list for each message described in other Market Message Guides detailing when it is used.

| Message | Title                       | Sender   | Recipient      | Trigger  | Predecessor | MPD Ref.             |
|---------|-----------------------------|----------|----------------|--|-------------|----------------------|
| 208     | Replacement Reading         | Supplier | Data Processor | Supplier decides to dispute a Change of Supplier reading by providing a replacement                  | 310 or 320  | MPD 1                |
| 210     | Supplier Provided Reading   | Supplier | Data Processor | Supplier has elected to provide a customer reading for a Change of Supplier                          | 210         | MPD 1<br>Also MPD 14 |
| 252     | Request for Special Reading | Supplier | Data Collector | Supplier decides to dispute a Change of Supplier reading by requesting a Special Reading or Estimate | 310 or 320  | MPD 1<br>Also MPD 18 |



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| Message | Title                                | Sender         | Recipient | Trigger  | Predecessor     | MPD Ref.                   |
|---------|--------------------------------------|----------------|-----------|--|-----------------|----------------------------|
| 303R    | Customer Read Rejection              | Data Processor | Supplier  | MRSO rejects a Customer Read   | 010, 016 or 210 | MPD 1<br>Also MPD 14       |
| 331     | Profile Meter Technical Details      | Meter Operator | Supplier  | Meter details are available for a completed Interval registration                                  | 010             | MPD 2, 6, 7<br>Also MPD 11 |
| 332     | Non Interval Meter Technical Details | Data Processor | Supplier  | Meter details and opening reads are available for an energised new Non Interval metered connection | 010             | MPD 5<br>Also MPD 11, 14   |

### 2.3 Related Business Documents

None

### 2.4 Message Directory – Supplier to MRSO

#### 2.4.1 Message 010: Registration Request

##### Purpose and Description of Message/Validation

Message 010 is sent by a Supplier to MRSO in order to request registration to a Meter Point.

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It contains the information that is required by MRSO to process and validate the registration. In addition it may also be used to provide additional information such as:

- Customer information that can be used by DSO to fulfil their responsibilities
- Readings data in the case of a Non Interval Change of Supplier

Message 010 is used in the following Market Processes:

| Process Number and Title |  | Use of Message  |
|--------------------------|--|---|
| MPD 1                    | Change of Supplier –Non Interval Metered | To register a metered Non Interval Meter Point currently registered to another Supplier<br><br>MPD 01 also caters for a CoS that starts as Non Interval but either completes as Non Interval or Half Hourly Interval  |
| MPD 2                    | Change of Supplier –Interval Metered     | To register an Interval Meter Point currently registered to another Supplier<br><br>MPD 02 also caters for a CoS that starts as Half Hourly Interval but either completes as Half Hourly Interval or Non Interval   |
| MPD 5                    | New Non Interval Metered Connection      | To register a metered Non Interval Meter Point as part of the new connection process or to register a previously De-Registered site<br><br>MPD 05 also caters for a Registration that starts as Non Interval but either completes as Non Interval or Half Hourly Interval |
| MPD 6                    | New Interval Metered Connection          | To register a metered Interval Meter Point as part of the new connection process or to register a previously De-Registered site   |

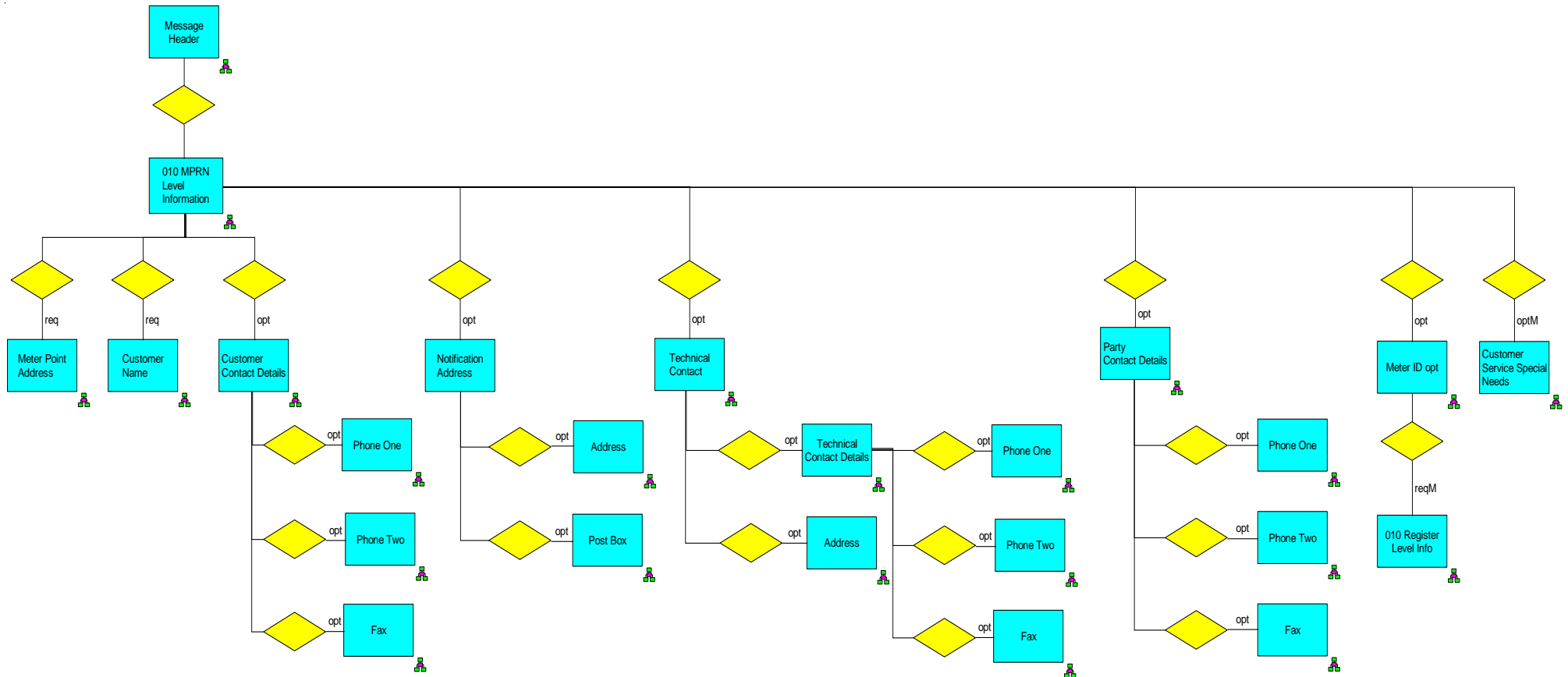
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| Process Number and Title |  | Use of Message  |
|--------------------------|--|---|
|                          |  | MPD 06 also caters for a Registration that starts as Interval but either completes as Interval or Non Interval      |
| MPD 7                    | New Distribution Connected Non-Participant Generator 1.1 | To register a new Distribution Connected Non-Participant Generator for import as part of the new connection process |
| MPD 7                    | New Distribution Connected Participant Generator 1.2     | To register a new Distribution Connected Participant Generator for import as part of the new connection process     |
| MPD 28                   | New Technical MPRN v1.2                                  | To register a Single Point Unmetered site as part of the new connection process                                     |
| MPD 33                   | Change of Supplier - Single Point Unmetered              | To register a Single Point Unmetered site currently registered to another supplier                                  |

In all cases message 010 should only be sent once the Supplier has concluded an agreement to supply electricity to the customer identified in the message at the Meter Point being registered.

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## Data Hierarchy Diagram



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### Composition Instructions/Validation

The Supplier should follow the instructions below in populating the Registration message. MRSO will undertake the following validation of the 010 message

| Segment and Field Level Identifier – 010 Message |     |                                       | Rpt | Optionality | Description / Purpose and composition instructions   | Validation   |
|--|-----|---------------------------------------|-----|-------------|--|--|
| 1 Message Header                                 |     |                                       | 1   | Mandatory   | See Common Data Segments for detailed notes on structure and population.   | Not validated by MRSO  |
| 1 MPRN Level Information                         |     |                                       | 1   | Mandatory   |  |  |
| 2  | FLD | MPRN                                  | 1   | Mandatory   | All elements of the MPRN, the unique identifying reference number for the Meter Point to be registered, must be provided   | The MPRN must exist in an assigned (New Connections only) energised or de-energised state and not be terminated.   |
| 2  | FLD | Market Participant Business Reference | 1   | Mandatory   | The Supplier must provide an internal reference number.  | Not validated by MRSO  |
| 2  | SEG | Meter Point Address                   | 1   | Mandatory   | The address at which the Meter Point is connected.<br><br>The Supplier should use the address as published by DSO as this will aid validation. At a minimum ESB Networks require that sufficient information be provided to allow a site to be uniquely identified – 1 Main St, Gorey, Co. | The Meter Point Address will be compared to that held for the Meter Point by DSO. If there is a change of address, other than minor differences in spelling, then acceptance of the registration and any changes will be subject to verification by DSO. |

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| Segment and Field Level Identifier – 010 Message |     |               | Rpt | Optionality | Description / Purpose and composition instructions  | Validation   |
|--|-----|---------------|-----|-------------|---|--|
|  |     |               |     |             | <p>Wexford can be more readily validated than simply 1 Main St. In addition, the address matching software will be unable to validate data if it is provided in an incorrect order, e.g. Co. Wexford, 1 Main St, Gorey. If there is a change of address then, following confirmation of the registration, the Supplier should use message 013 to advise the change.</p> <p>See Common Data Segments for detailed notes on structure and population.</p> |  |
| 2  | SEG | Customer Name | 1   | Mandatory   | <p>The name of the customer with whom the Supplier has concluded an agreement to supply electricity must be provided.</p> <p>See Common Data Segments for detailed notes on structure and population.</p>   |  |
| 3  | FLD | Title         |     |             |   | Will be compared against records held by DSO to determine if a Change of Legal Entity has occurred |
| 3  | FLD | Last Name     |     |             |   | Will be compared against records held by DSO to determine if a Change of Legal Entity has occurred |

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| Segment and Field Level Identifier – 010 Message |     |                           | Rpt | Optionality | Description / Purpose and composition instructions   | Validation  |
|--|-----|---------------------------|-----|-------------|--|---|
| 3  | FLD | First Name                |     |             |  | Will be compared against records held by DSO to determine if a Change of Legal Entity has occurred  |
| 3  | FLD | Organisation Name 1       |     |             |  | Will be compared against records held by DSO to determine if a Change of Legal Entity has occurred  |
| 3  | FLD | Organisation Name 2       |     |             |  | Will be compared against records held by DSO to determine if a Change of Legal Entity has occurred  |
| 3  | FLD | Registered Company Number |     |             |  | Will be compared against records held by DSO to determine if a Change of Legal Entity has occurred  |
| 3  | FLD | Trading As                |     |             |  | Not validated by MRSO   |
| 2  | FLD | Supplier ID               | 1   | Mandatory   | The Supplier to whom the Meter Point will be registered, obtained from the list of Party ID codes issued by MRSO.  | MRSO will check that the Supplier ID must be a valid ID that identifies a Supplier entitled to register a Meter Point under the legislation and in accordance with the Trading and Settlement Code. |
| 2  | FLD | Supplier Unit ID          | 1   | Mandatory   | Format SU_nnnnnn<br><br>The Supplier Unit ID must be valid for the supplier and the Supplier Unit is not a Trading | MRSO will check that the Supplier Unit ID must be a valid Supplier Unit ID for the Supplier ID  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     |                       | Rpt | Optionality | Description / Purpose and composition instructions   | Validation  |
|--|-----|-----------------------|-----|-------------|--|---|
|  |     |                       |     |             | Site Supplier Unit   |   |
| 2  | FLD | SSAC                  | 1   | Mandatory   | <p>The arrangement under which consumption usage will be aggregated for settlement.</p> <p>This is selected from the list of codes issued by MRSO and must be an arrangement that is valid for the Supplier Unit with respect to the Settlement Class of the Meter Point. . The current valid values are 'A' for all suppliers except PES who use 'F'.</p>   | MRSO will check that the SSAC is an arrangement that is valid for the Supplier Unit with respect to the Settlement Class of the Meter Point. The current valid values are 'A' for all suppliers except PES who use 'F'. |
| 2  | FLD | Supply Agreement Flag | 1   | Mandatory   | <p>A Boolean message flag that indicates the existence of an agreement to supply electricity to the customer identified in the message at the Meter Point being registered. It must be set as follows:</p> <ul style="list-style-type: none"> <li>• <b>1 i.e. a logical value of True</b>, where the Supplier has concluded an agreement to supply electricity to the customer at the Meter Point</li> <li>• <b>0 i.e. a logical value of False</b>, where the Supplier has not concluded an agreement to supply electricity to the</li> </ul> | MRSO will check that the Supply Agreement flag is set as 'True'.  |



Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     | Rpt                                 | Optionality | Description / Purpose and composition instructions | Validation  |   |
|--|-----|-------------------------------------|-------------|--|---|---|
|  |     |                                     |             | customer at the Meter Point                        |   |   |
| 2  | FLD | Change of Tenant / Legal Entity     | 1           | Mandatory  | <p>A Boolean flag that indicates that the identity of the customer has changed. It must be set as follows:</p> <ul style="list-style-type: none"> <li>• <b>1 i.e. a logical value of True</b>, if the customer is different to that with whom the current supplier has an agreement.</li> <li>• <b>0 i.e. a logical value of False</b>, if the customer is the same as that with whom the current supplier has an agreement.</li> </ul> | Where the MIC is equal to or exceeds medium voltage and there is a Change of Legal Entity determined here or from the Customer Name information provided above then MRSO will check for the existence of a Connection Agreement signed by the customer.   |
| 2  | FLD | Change of Supplier Read Arrangement | 1           | See Instructions                                   | <p>A code that indicates the type of read to be used at a Change of Supplier which is provided for Non Interval Meter Points only.</p> <p>It must only be provided where the registration is for a metered Non Interval Meter Point that is already registered. It is not required in any other circumstances. If the field is used for an Interval Meter Point this will cause rejection of the registration.</p>                      | <p>MRSO will reject the registration if:</p> <ul style="list-style-type: none"> <li>○ A Read Arrangement is not provided for a metered Non Interval Meter Point that is already registered (i.e. for a Change of Supplier).</li> <li>○ A Read Arrangement is provided for an Interval Meter Point</li> <li>○ A Read Arrangement is set to 'CR' (Customer Read) for a Maximum Demand Meter Point</li> <li>○ A Read Arrangement is set to 'DR'</li> </ul> |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |  | Rpt | Optionality | Description / Purpose and composition instructions   | Validation   |
|--|--|-----|-------------|--|--|
|  |  |     |             | <p>Where used it should be selected from one of the following::</p> <ul style="list-style-type: none"> <li>• <b>CR</b> – Customer Read. This indicates that the Supplier will provide a customer read to affect the changeover. The customer read may be provided as part of message 010 (see Meter Readings) or at a later date using message 210. Where the meter can be read remotely, an ESN obtained remote reading will be used. In this case, any reading on the message 010 will be rejected and a reading provided on the message 210 will also be rejected on the message 303R. If Customer Reading is used for a Maximum Demand Meter Point then the registration will be rejected.</li> <li>• <b>SC</b> – Scheduled Read. This indicates that the Supplier will await the next scheduled reading date to affect the Change of Supplier.</li> <li>• <b>SP</b> – Special Read. Supplier request Special Read.</li> <li>• <b>MC</b> – Meter Change. This indicates</li> </ul> | <p>(SoLR) when there is no active SoLR event.</p> <p>MRSO will disregard a Read Arrangement specified for a New Connection or for a requested Smart Data Services change that results in a Meter reconfiguration.</p> <p>Where a read is provided for a requested Smart Data Services change that results in a Meter configuration, it will be rejected on the message 303R.</p> |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     | Rpt                                    | Optionality | Description / Purpose and composition instructions   | Validation  |   |
|--|-----|--|-------------|--|---|---|
|  |     |  |             | <p>that the Supplier requires the DSO to perform a meter configuration change, the opening reads from which will be used to affect the Change of Supplier. If this is used then a Meter Configuration Code must be provided below.</p> <p><b>DR – SoLR.</b> This indicates that the Supplier wishes to register a defaulting supplier’s site when a SoLR event has been declared by the regulator.</p> |   |   |
| 2  | FLD | Change of Supplier Estimate Acceptable | 1           | See Instructions   | <p>A Boolean flag to indicate the acceptability of an estimate as an alternative in the case of failure to obtain an actual or customer read.</p> <p>The estimate acceptable flag should be set to <b>1 i.e. a logical value of True</b> if all the following are true:</p> <ul style="list-style-type: none"> <li>○ the Supplier has specified Customer Read, Special Read or Scheduled Read as the Read Arrangement;</li> <li>○ the Meter Point is not a Maximum</li> </ul> | <p>MRSO will disregard an Estimate Acceptable value of ‘true’ in the following circumstances:</p> <ul style="list-style-type: none"> <li>○ A New Connection</li> <li>○ A Change of Supplier for an Interval Meter Point or an Non Interval Maximum Demand Meter Point</li> </ul> <p>Where there has been no actual or customer read in the previous twelve months</p> |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     | Rpt                      | Optionality | Description / Purpose and composition instructions  | Validation  |  |
|--|-----|--------------------------|-------------|---|---|--|
|  |     |                          |             | <p>Demand Meter Point; and</p> <p>The Supplier is willing to accept an estimate from MRSO if the Customer, Special Scheduled or ESNB read cannot be obtained or proves to be invalid.</p> |   |  |
| 2  | FLD | Meter Configuration Code | 1           | See Instructions  | <p>A code to indicate that a change is required by the New Supplier to the functionality delivered by the metering installed at a Meter Point.</p> <p>It must be provided if, and only if, the Change of Supplier Read Arrangement is set to 'MC' (Meter Change) and denotes the required functionality selected from the list issued by DSO. The code must represent a permissible change, as defined by DSO, from the current Meter Configuration.</p> <p>The allowable MCC changes for Change of Supplier are:</p> <p>MCC 01 to MCC 02</p> | <p>MRSO will validate the Meter Configuration Code if the Change of Supplier Read Arrangement is set to 'MC' (Meter Change). If so, the registration request will be rejected if:</p> <ul style="list-style-type: none"> <li>○ The code does not represent a permissible change from the current Meter Configuration.</li> <li>○ The code is not present.</li> </ul> |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     |                           | Rpt | Optionality | Description / Purpose and composition instructions   | Validation                  |
|--|-----|---------------------------|-----|-------------|--|-----------------------------|
|  |     |                           |     |             | MCC 02 to MCC 01<br><br><i>Refer to the data published by ESB DSO to identify permitted Meter Configuration changes.</i> |                             |
| 2  | FLD | Tariff Configuration Code | 1   | Optional    | Not used in ROI  | No validation on this field |
| 2  | FLD | Security Question         | 1   | Optional    | Not used in ROI  | No validation on this field |
| 2  | FLD | Security Answer           | 1   | Optional    | Not used in ROI  | No validation on this field |
| 2  | FLD | Meter Reader Password     | 1   | Optional    | Not used in ROI  | No validation on this field |
| 2  | FLD | Debt Transfer Flag        | 1   | Optional    | Not used in ROI  | No validation on this field |
| 2  | FLD | Appointment ID            | 1   | Optional    | Not used in ROI  | No validation on this field |
| 2  | FLD | Prepayment Type           | 1   | Optional    | Not used in ROI  | No validation on this field |
| 2  | FLD | Meter Works Type Code     | 1   | Optional    | Not used in ROI  | No validation on this field |
| 2  | FLD | Access Arrangements       | 1   | Optional    | Not used in ROI  | No validation on this field |
| 2  | SEG | Change of Tenancy History | 1   | Optional    | Not used in ROI  | No validation on this field |
| 3  | FLD | Previous Supplier         | 1   | Optional    | Not used in ROI  | No validation on this field |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     |                           | Rpt | Optionality      | Description / Purpose and composition instructions   | Validation  |
|--|-----|---------------------------|-----|------------------|--|---|
| 3  | FLD | Previous Account Number   | 1   | Optional         | Not used in ROI  | No validation on this field   |
| 3  | FLD | Previous MPRN             |     | Optional         | Not used in ROI  | No validation on this field   |
| 3  | FLD | Previous Address          |     | Optional         | Not used in ROI  | No validation on this field   |
| 2  | SEG | Customer Contact Details  | 1   | Optional         | A set of details enabling the customer to be contacted.<br><br>See Common Data Segments for detailed notes on structure and population   | Not validated by MRSO   |
| 2  | SEG | Notification Address      | 1   | Optional         | An address for correspondence with customers.<br><br>The Notification Address should only be provided if the Meter Point Address is not the address for correspondence. See Common Data Segments for detailed notes on structure and population. | See Common Data Segments doc for detailed validations at field level. |
| 2  | FLD | Contact Name              | 1   | See instructions | This is the contact name of a person available for contacting for Technical purposes relating to the Meter Point where this is different to the Customer Contact. This field must be provided where Technical contact details are provided.      | No individual validation of this field.                               |
| 2  | SEG | Technical Contact Details | 1   | See              | This segment refers to the technical contact phone numbers for a technical representative.   | No individual validation of this segment.                             |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 010 Message |     |                | Rpt | Optionality      | Description / Purpose and composition instructions   | Validation  |
|--|-----|----------------|-----|------------------|--|---|
|  |     |                |     | instructions     | This segment must be populated where Suppliers are creating new technical contact details for an MPRN or where they are changing existing technical contact details. |   |
| 3  | FLD | Phone number 1 | 1   | See instructions | This is the principal phone number of a Technical contact and must be populated by Supplier  | No individual validation of this field  |
| 3  | FLD | Phone Ext1     | 1   | See instructions | This is the principal phone number overflow field for storing number extensions where applicable   | No individual validation of this field.   |
| 3  | FLD | Phone number 2 | 1   | Optional         | This field can be used for the secondary phone number where this is required.  | No individual validation of this field.   |
| 3  | FLD | Phone Ext2     | 1   | Optional         | This is the secondary phone number overflow field for storing number extensions where applicable.  | No individual validation of this field.   |
| 3  | FLD | Fax            | 1   | Optional         | This field is intended to store a Fax telephone number where applicable  | No individual validation of this field.   |
| 3  | FLD | Fax Ext        | 1   | Optional         | This field is intended to store a Fax extension telephone number where applicable  | No individual validation of this field.   |
| 3  | FLD | Email          | 1   | Optional         | This field is intended to store electronic mail address details where applicable   | Message will fail validation if email is not structured to the following rules:<br>* A mail address may contain the character @ only once |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     |                                 | Rpt | Optionality      | Description / Purpose and composition instructions   | Validation  |
|--|-----|---------------------------------|-----|------------------|--|---|
|  |     |                                 |     |                  |  | <ul style="list-style-type: none"> <li>* There must not be a full-stop at the beginning</li> <li>* There must not be a full-stop immediately before the character @</li> <li>* There must not be a full-stop immediately after the character @</li> <li>* There must not be a full-stop at the end of the address</li> <li>* There must not be two subsequent full-stops in the address</li> <li>* There must be no blank character in the address</li> </ul> Where an invalid email address is received, the message in its entirety will be rejected via 102R (101R for new registration) with Reject Reason EMA. |
| 2  | SEG | Street Type Address (Technical) | 1   | See instructions | Street type address provides details such as Street Name, House no etc. This segment is mandatory where a street type address is being provided or changed as part of Technical Contact details. | No individual validation at segment level   |
| 3  | FLD | C/O Name                        | 1   | Optional         | This is the name to which correspondence can be addressed where this is different to the contact name.   | No individual validation of this field.   |
| 3  | FLD | Unit No.                        | 1   | Optional         | This field can be used to populate information relating to the unit, flat or apartment number that can be part of an address   | No individual validation of this field.   |
| 3  | FLD | Addr Line 1                     | 1   | Optional         | This field can be used as overflow for address   | No individual validation of this field.   |



## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     |             | Rpt | Optionality | Description / Purpose and composition instructions  | Validation  |
|--|-----|-------------|-----|-------------|---|---|
|  |     |             |     |             | details that apply before the street part of an address.  |   |
| 3  | FLD | Addr Line 2 | 1   | Optional    | This field can be used as overflow for address details that apply before the street part of an address.   | No individual validation of this field.   |
| 3  | FLD | House No.   | 1   | Optional    | This can be used to populate the number of a premises given as part of an address   | No individual validation of this field.   |
| 3  | FLD | Street      | 1   | Mandatory   | This field stores information relating to the street part of an address and must be populated if the segment is provided.   | Message will fail validation if segment is provided and this field is left blank. |
| 3  | FLD | Addr Line 4 | 1   | Optional    | This field can be used as overflow for address details that apply after the street part of an address.  | No individual validation of this field.   |
| 3  | FLD | Addr Line 5 | 1   | Optional    | This field can be used as overflow for address details that apply after the street part of an address.  | No individual validation of this field.   |
| 3  | FLD | Postal code | 1   | Optional    | This is the Postal Code given as part of an address where appropriate. Ireland has implemented a Postal Code system called Eircode and where available it is recommended that these Postal Codes for Technical Contact Details are communicated in Market Messages. | No individual validation of this field.   |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     |                  | Rpt | Optionality      | Description / Purpose and composition instructions  | Validation   |
|--|-----|------------------|-----|------------------|---|--|
|  |     |                  |     |                  | They should conform to the Eircode structure A65F4E2 (there is one allowable exception for the first three characters viz.D6W) where each Eircode is comprised of seven uppercase alpha/numeric characters.                 |  |
| 3  | FLD | City             | 1   | Optional         | Used to populate the details of which City an address resides in where appropriate  | No individual validation of this field.  |
| 3  | FLD | County - Ireland | 1   | See instructions | A field denoting the county in Ireland in which an address resides. See the list of data codes for permissible values here. If the Technical (Street Type) Address is in Ireland this item must be populated.               | Message will fail validation if item does not match one of allowed code values   |
| 3  | FLD | County / State   | 1   | Optional         | This denotes the county in which an address is situated. This is a free text 40 character field for use in non – Irish Addresses.   | No individual validation of this field.  |
| 3  | FLD | Country          | 1   | See instructions | A field that makes up part of an address denoting in which country the address resides. See the list of data codes for permissible values here. This field must be populated where a Technical Contact Address is provided. | Message will fail validation if item is left blank or does not match one of allowed code values where the segment is provided. |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     |                                 | Rpt  | Optionality      | Description / Purpose and composition instructions  | Validation   |
|--|-----|---------------------------------|------|------------------|---|--|
| 2  | FLD | Medical Equipment Special Needs | 1    | See Instructions | <p>A code indicating the type of special medical equipment needs that a customer has.</p> <p>If the customer has special medical equipment needs then the relevant code should be selected from the following:</p> <ul style="list-style-type: none"> <li>▪ <b>0003</b> – Life Support</li> <li>▪ <b>0004</b> – Non Life Support</li> <li>▪ <b>0005</b> – Medical Institution.</li> </ul> | <p>MRSO will store updates only where this code is set to 0003, 0004 or 0005.</p> <p>Where the code Medical Institution 0005 is submitted on a 010 message for a DG1 or DG2, the 010 message will be rejected using the 101R or 102R, with the Reject Reason Code IA</p> |
| 2  | FLD | Display on Extranet             | 1    | See Instructions | .A Boolean message flag to indicate whether the Priority Services Register code(s) for the MPRN should be displayed on the ROI MP Extranet and the dom\$_CUST Downloadable Meter Point Details File. This field is mandatory if either Medical Equipment Special Needs codes 0003 or 0004 are populated on this message and this flag should be 'Y' or 'N'.                               | MRSO will store updates if provided  |
| 2  | SEG | Customer Service Special Needs  | 0..N | Optional         | Add new segment to carry one or more Customer Special Needs Codes   |  |
| 3  | FLD | CustomerService DetailsCode     | 1..N | Mandatory        | A code or set of codes indicating the type of special customer service need(s) that a customer has.   | One or more customer special needs codes as provided by the Supplier will be validated against the permitted list. If the message is fully valid, all codes provided will be listed on a 101 market  |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     |                     | Rpt  | Optionality | Description / Purpose and composition instructions   | Validation   |
|--|-----|---------------------|------|-------------|--|--|
|  |     |                     |      |             | <p>If the customer has special customer service needs then the relevant code or codes should be selected from the following:</p> <ul style="list-style-type: none"> <li>• <b>0001</b> Visually Impaired</li> <li>• <b>0002</b> Speech Impaired</li> <li>• <b>0003</b> Hearing Impaired</li> <li>• <b>0004</b> Elderly</li> <li>• <b>0005</b> Language Difficulty</li> <li>• <b>0006</b> Learning Difficulty</li> <li>• <b>0007</b> Mobility Impaired</li> <li>• <b>0008</b> Dexterity Impaired</li> <li>• <b>0009</b> Mental Health</li> <li>• <b>0010</b> Other</li> </ul> <p>New code 0010 Other is included in the schema but should not be selected by Market Participants</p> | <p>message and again on any subsequent associated 105 market message. Any invalid codes will be flagged with a Reject Reason Code of DIJ for each invalid code on a single 101R or 102R market message, except where the code 0010 Other is submitted on an 010, the message, in its entirety, will be rejected using the 101R or 102R, with the Reject Reason Code IID.</p> <p>MRSO will store updates if provided.</p> |
| 2  | SEG | Smart Data Services | 0..1 | Optional    | <p>This segment contains the Interval and Non Interval Smart Data Services applicable to a Smart Meter</p>   | <p>Once there are Smart Data Service this segment must be present otherwise the message will be rejected on 102R (101R for new registration) with Reject Reason Code SC1</p> <p>Where Smart Data Services are requested on a smart meter which is MCC02, the message will be rejected on the 102R (101R for new registration) with reject reason code 'IA'.</p> <p>This segment is only valid where a Smart Meter is</p> |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     |                                     | Rpt | Optionality | Description / Purpose and composition instructions   | Validation  |
|--|-----|-------------------------------------|-----|-------------|--|---|
|  |     |                                     |     |             |  | <p>present or due to be present in a New Connection or a Re- Registration, otherwise the message will be rejected on 102R (101R for new registration) with Reject Reason Code NSM</p> <p>If this segment and the Smart Non Participation Details segment is populated the message will be rejected on 102R (101R for new registration) with reject reason code ISR</p>              |
| 3  | FLD | Smart Data Services Code            | 1   | Mandatory   | <p>This field is populated where a Smart Data Service Code is being requested</p> <p>The valid codes are: .</p> <p>01 - Interval Services</p> <p>02 - Non Interval Services</p>  | <p>Where the Smart Data Service Code field is populated - this message will fail validation if :</p> <p>The Smart Data Services Code value requested is not supported by the CTF value i.e.</p> <p>If the value of the Smart Data Services Code field is 01 then CTF must be 03 or 04</p> <p>Otherwise a 102R(101R for new registration) will issue with Reject Reason Code SCI</p> |
| 3  | FLD | Meter Configuration Code (Required) | 1   | Mandatory   | <p>The Meter Configuration Code (Required) is a code on a message to the supplier to indicate the functionality required by the Supplier to be delivered by the combination of registers physically installed at a meter point. It does not describe the technical attributes of the meter(s).</p> | <p>The message will fail validation and 102R (101R for new registration) will issue with Reject Reason Code SCI where:</p> <p>The required MCC does not correspond with the relevant Smart Data Services Code Field</p> <p>or</p>   |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |               | Rpt | Optionality | Description / Purpose and composition instructions | Validation  |                         |               |                            |       |                                |       |
|--|---------------|-----|-------------|--|---|-------------------------|---------------|----------------------------|-------|--------------------------------|-------|
|  |               |     |             |  | <p>The MCC specified is a Legacy MCC</p> <p>Allowable Combinations:</p> <table border="1"> <tr> <td>Smart Data Service Code</td> <td>Requested MCC</td> </tr> <tr> <td>Interval Data Service (01)</td> <td>MCC12</td> </tr> <tr> <td>Non Interval Data Service (02)</td> <td>MCC16</td> </tr> </table> <p>Or</p> <p>The message will fail validation and 102R (101R for new registration) will issue with Reject Reason Code IMF where:</p> <p>New MCC's 13 ,14, 15, 17,18,19,20 are included in the schema but should not be selected by Market Participants</p> <p>Where any of the MCC's 13 ,14, 15, 17,18,19,20 are submitted on an 010, the message, will be</p> | Smart Data Service Code | Requested MCC | Interval Data Service (01) | MCC12 | Non Interval Data Service (02) | MCC16 |
| Smart Data Service Code                          | Requested MCC |     |             |  |   |                         |               |                            |       |                                |       |
| Interval Data Service (01)                       | MCC12         |     |             |  |   |                         |               |                            |       |                                |       |
| Non Interval Data Service (02)                   | MCC16         |     |             |  |   |                         |               |                            |       |                                |       |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     |                              | Rpt | Optionality      | Description / Purpose and composition instructions   | Validation   |
|--|-----|------------------------------|-----|------------------|--|--|
|  |     |                              |     |                  |  | rejected using the 102R (101R for new registration), with the Reject Reason Code IMF   |
| 2  | FLD | Smart Non Participation Code | 1   | Optional         | <p>A code indicating the type of Smart Non Participation customer.</p> <p>The relevant code should be selected from the following:</p> <p>02 Non Technical Non Participation<br/>03 Multiple Visits No Access</p> <p>Suppliers can only request to remove Smart Non Participation Details</p>  | <p>Smart Non Participation codes provided by the Supplier will be validated against the permitted list. If the Smart Non Participation request is fully valid, then the Registration/CoS will continue.</p> <p>If any of the codes provided is invalid, then the message 010 will be rejected using RejectReasonCode(SNP) on message 101R or 102R</p> <p>Only the removal of 02 and 03 codes is permissible.</p> |
| 2  | FLD | Economic Activity Indicator  | 1   | See instructions | <p>A code indicating the type of activity undertaken by the customer in the premises.</p> <p>Where a Change of Legal entity is being notified, this value is only required if the type of economic activity is changing. The code is selected from the two digit NACE codes provided by DSO.</p> <p>This item is mandatory for commercial sites i.e. where the MIC is more than 30kVA.</p> | <p>This message will fail validation and a 101R or 102R will be generated if the site is &gt;30kva and this value is blank or invalid.</p>   |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 010 Message |     |                       | Rpt | Optionality      | Description / Purpose and composition instructions   | Validation  |
|--|-----|-----------------------|-----|------------------|--|---|
| 2  | SEG | Party Contact Details | 1   | Optional         | <p>Details enabling the New Supplier to be contacted in the event of a query with the Registration.</p> <p>See Common Data Segments for detailed notes on structure and population</p>   | Not validated by MRSO. See Common data Segment doc for segment details.   |
| 2  | FLD | Required Date         | 1   | See Instructions | <p>The date that the Supplier either:</p> <ul style="list-style-type: none"> <li>○ Requires a Registration for an Interval Meter Point to take effect; or</li> <li>○ Requires a Special Read or Meter Change to be carried out; or</li> <li>○ Indicates as the date a Customer Read was obtained, if provided</li> </ul> <p>The Required date is only required for a Change of Supplier registration where a Scheduled Read is not required. It should be populated as follows:</p> <ul style="list-style-type: none"> <li>○ For a QH Interval Meter Point it should be the first day on which the registration is required to be effective i.e. at least 5 working days in advance.</li> <li>○ For a HH Interval Meter Point it should</li> </ul> | <p>If the Change of Supplier Read Arrangement is specified as 'CR' (Customer Read) the Required Date must be:</p> <ul style="list-style-type: none"> <li>○ Not earlier than three days before the date of receipt by MRSO of the registration request</li> <li>○ Not later than forty days after the date of receipt by MRSO of the registration request</li> </ul> <p>If the Change of Supplier Read Arrangement is specified as 'SC' (Scheduled Read) then the Required Date is not needed and is not validated.</p> <p>For Interval Change of Supplier scenarios the</p> |



Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |  | Rpt | Optionality | Description / Purpose and composition instructions   | Validation   |
|--|--|-----|-------------|--|--|
|  |  |     |             | <p>be the first day on which the registration is required to be effective i.e. at least 1 calendar day in advance.</p> <ul style="list-style-type: none"> <li>○ For a Non Interval Meter Point where a Special Read or Meter Change is requested, it is the date on which the Supplier requires the work to be done. At least five days notice is required by DSO. The registration to the New Supplier will come into effect on the day following the reading.</li> <li>○ For a Non Interval Meter Point where a Customer Read is provided and accepted as part of the registration message 010, it should be the date the reading was obtained from the meter. This date should not be more than three days prior to receipt by MRSO. The registration to the New Supplier will come into effect on the day following the Required Date.</li> <li>○ For a Non Interval Meter Point which is not configured for remote reading and where a Customer Read is to be provided at a later date using message</li> </ul> | <p>Required Date must be:</p> <ul style="list-style-type: none"> <li>○ For QH, not earlier than five working days after the date of receipt by MRSO of the registration request</li> <li>○ For HH, not earlier than 1 calendar day after the date of receipt by MRSO of the registration request</li> <li>○ For both QH and HH, not later than forty working days after the date of receipt by MRSO of the registration request</li> </ul> <p>For a New Connection the Required Date is not validated.</p> |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     | Rpt      | Optionality | Description / Purpose and composition instructions   | Validation   |   |
|--|-----|----------|-------------|--|--|---|
|  |     |          |             | <p>210, it should be the date that the Supplier expects to obtain the reading. The registration to the New Supplier will come into effect on the day following the Read Date specified on message 210.</p> <ul style="list-style-type: none"> <li>○ For a Non Interval Meter Point which has read arrangement CR and which is configured for remote reading it should be the date that the Supplier expects ESBN to obtain the reading ie a maximum of D-3 in the past. The registration to the New Supplier will come into effect on the required date.</li> </ul> <p>The Required Date must not be more than forty working days after receipt of the registration message by MRSO.</p> |  |   |
| 2  | SEG | Meter ID | 0..N        | Optional   | <p>This segment is used to provide Change of Supplier meter readings. Meter Readings may be provided only if Change of Supplier Read Arrangement of 'Customer Read' is specified. In any other circumstance they will be ignored.</p> <p>Even where a Change of Supplier Read Arrangement of 'Customer Read' is specified it</p> | . |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     |                            | Rpt  | Optionality      | Description / Purpose and composition instructions  | Validation   |
|--|-----|----------------------------|------|------------------|---|--|
|  |     |                            |      |                  | <p>is not mandatory to provide Meter Readings. The Supplier may opt to wait until a later date and provide the readings using message 210.</p> <p>Where Meter Readings are provided then the Required Date will be used as the date of the readings. This means that the New Supplier registration will take effect from the day following the Required Date.</p>   |  |
| 3  | FLD | Meter Category             | 1    | See instructions | A code allocated by Meter Asset Manager to denote the manufacturer and type of meter.   | Not validated by MRSO  |
| 3  | FLD | Serial Number              | 1    | See instructions | <p>The physical number found on a meter.</p> <p>The Serial Number should be provided if there is more than one meter installed. The complete serial number should be provided if possible, but if not, at least the last four digits should be provided. The serial number can be obtained either:</p> <ul style="list-style-type: none"> <li>○ From the meter itself</li> <li>○ From information published by DSO</li> </ul> | If provided the Data Processor will match the last four characters of the Serial Number to the Serial Number(s) recorded for the Meter Point by DSO and if a unique match cannot be found the readings will be rejected. |
| 3  | SEG | Register Level Information | 1..N | Mandatory        | Where customer readings are to be provided then a reading should be provided for every consumption and wattless register together with  | The Data Processor will expect a reading for every register installed at the Meter Point. If there are no readings provided for a register then  |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     |                         |   | Rpt              | Optionality  | Description / Purpose and composition instructions   | Validation   |
|--|-----|-------------------------|---|------------------|--|--|--|
|  |     |                         |   |                  |  | <p>sufficient information to identify the appropriate register.</p> <p>In normal circumstances only one of Meter Register Sequence, Timeslot or Register Type is required</p>                                    | readings will be estimated unless this is precluded by the rules for a Change of Supplier. |
| 4  | FLD | Meter Register Sequence | 1 | See Instructions | <p>An identifier to distinguish between different meter dials on a physical meter or set of meters.</p> <p>The Meter Register Sequence must be provided if neither Timeslot nor Register Type can be provided. If provided, it may be obtained from information published by DSO</p>   | If provided, the Data Processor will match the Meter Register Sequence to the Meter Register Sequence (s) recorded for the Meter Point by DSO. If a unique match cannot be found the readings will be rejected.  |  |
| 4  | FLD | Timeslot                | 1 | See Instructions | <p>A code that indicates the period that a meter is recording electricity consumption or Wattless reactive energy.</p> <p>The Timeslot may be provided if neither Meter Register Sequence nor Register Type can be provided. If provided, it may be obtained from information published by DSO.</p> <p><i>Refer to the data published by ESB DSO for the current set of codes.</i></p> | If provided, the Data Processor will match the Timeslot to the Timeslot (s) recorded for the Meter Point and Meter Serial Number matched above. If a unique match cannot be found the readings will be rejected. |  |
| 4  | FLD | Register                | 1 | See              | A code that indicates the purpose of the   | If provided and the Data Processor cannot  |  |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 010 Message |     |         | Rpt | Optionality  | Description / Purpose and composition instructions  | Validation  |
|--|-----|---------|-----|--------------|---|---|
|  |     | Type    |     | Instructions | <p>register.</p> <p>The Register Type should be provided if Meter Register Sequence is not provided or if Timeslot is not known or not unique. This will enable the Data Processor to distinguish between the types of register.</p> <p><i>Refer to the data published by ESB DSO for the current set of codes.</i></p> | otherwise match readings to a register, the Data Processor will match the Register Type to the Register Type (s) recorded for the Meter Point and Meter Serial Number matched above. If a unique match cannot be found the readings will be rejected. |
| 4  | FLD | Reading | 1   | Mandatory    | This should be the reading recorded on the read date on the meter register identified by the Serial Number and Meter Register Sequence, Timeslot and Register Type data provided.   | . Provided the readings are not rejected, the Data Processor will validate the readings according to the rules specified in MPD14.  |

## **Retail Market Message Guide – Meter Registration**

MRSO will use the data in the message to validate the Suppliers registration. The validations are described above and in the relevant MPD documentation.

If the registration request is accepted then one of the following messages is returned to the Supplier:

- Message 101 indicates acceptance of a New Connection registration
- Message 101P indicates provisional acceptance of a New Connection registration
- Message 102 indicates acceptance of a Change of Supplier registration
- Message 102P indicates provisional acceptance of a Change of Supplier registration

If the registration request is accepted but readings that were provided are rejected then message 303R is returned to the Supplier.

If the registration request is rejected then one of the following messages is returned to the Supplier:

- Message 101R indicates rejection of a New Connection registration
- Message 102R indicates rejection of a Change of Supplier registration

## Retail Market Message Guide – Meter Registration

### 2.4.2 Message 011: Cancel Registration Request

#### Purpose and Description of Message/Validation

Message 011 is sent by an existing or prospective new Supplier to MRSO in order to request cancellation of a registration to a Meter Point.

1. The message may be sent either before the registration is confirmed or within 65 days following confirmation in the event of an erroneous transfer. Cancellation Reason Code OS is not permissible on MM 011 after the 10 day objection window has expired. MRSO will undertake the validation.
2. The message may be sent within the Second Wait Period (SWP) in the event of an objection for Debt

A Supplier may also send message 011 to MRSO in order to request cancellation of a registration to a Meter Point prior to energisation of a new connection.

It identifies the MPRN and the reason for cancellation.

Message 011 is used in the following Market Process:

| Process Number and Title |   | Use of Message   |
|--------------------------|---|--|
| MPD 3                    | Change of Supplier – Objection and Cancellation | To request cancellation of a pending or completed Change of Supplier |
| MPD 3.1                  | Automated Debt Flagging                         | To request cancellation of a pending Change of Supplier              |

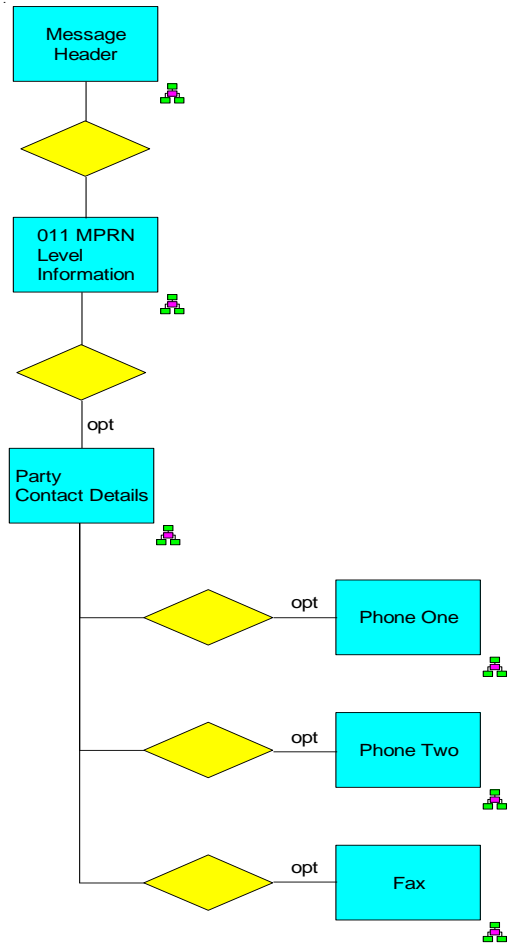
## **Retail Market Message Guide – Meter Registration**

If message 011 is used to request cancellation of a completed Change of Supplier then, if the request is accepted, the Supplier will be liable to a charge for cancellation.



## Retail Market Message Guide – Meter Registration

### Data Hierarchy Diagram



Retail Market Message Guide – Meter Registration

**Composition Instructions/Validation**

The Supplier should follow the instructions below in populating the Cancellation message. MRSO will undertake the validation.

| Segment and Field Level Identifier – 011 Message |     |                                       | Rpt | Optionality | Description / Purpose and composition instructions   | Validation   |
|--|-----|---------------------------------------|-----|-------------|--|--|
| 1 Message Header                                 |     |                                       | 1   | Mandatory   | See Common Data Segments for detailed notes on structure and population.   | Not validated by MRSO  |
| 1 MPRN Level Information                         |     |                                       | 1   | Mandatory   |  |  |
| 2  | FLD | MPRN                                  | 1   |             | <p>The unique identifying reference number for the Meter Point where the registration is requested to be cancelled.</p> <p>All elements of the MPRN must be provided</p> | <p>The MPRN must either:</p> <ul style="list-style-type: none"> <li>• have a current registration, effective within the previous 65 days, to the requesting Supplier ID; or</li> <li>• be in the process of being registered for a Change of Supplier by the requesting Supplier ID; or</li> <li>• be in the process of being registered as a New Connection by the requesting Supplier ID and not yet be energised</li> </ul> <p>the site is not registered to a Trading Site</p> |
| 2  | FLD | Market Participant Business Reference | 1   |             | The Supplier must provide an internal reference number.  | Not validated by MRSO  |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 011 Message |     |                     | Rpt | Optionality | Description/Purpose and composition instructions  | Validation   |
|--|-----|---------------------|-----|-------------|---|--|
| 2  | FLD | Cancellation Reason | 1   |             | <p>A code to indicate why a supplier wishes to cancel a registration. It must be selected from the list of valid reasons issued by MRSO:</p> <ul style="list-style-type: none"> <li>○ <b>CR</b> denotes that the customer requested not to proceed with the contract to supply.</li> <li>○ <b>OS</b> denotes that the Supplier is cancelling in response to an objection. This code should be used for Change of Supplier only.</li> <li>○ <b>SE</b> denotes that the Supplier registered the Meter Point in error but cancellation is not as a result of an objection</li> <li>○ <b>DE</b> denotes that the Supplier cancellation of Registration is due to Customer above the Debt threshold with Old Supplier</li> <li>○ <b>ME</b> denotes Cooling Off Request.</li> </ul> | <p>The Cancellation Reason must have been selected from the list of valid reasons issued by MRSO</p> <p>Cooling off Request is not validated by MRSO</p> |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 011 Message |     |                       | Rpt | Optionality | Description/Purpose and composition instructions   | Validation                |
|--|-----|-----------------------|-----|-------------|--|---------------------------|
| 2  | FLD | Supplier ID           | 1   |             | <p>A code identifying the Supplier requesting the cancellation. It must be set to the identity of the requesting Supplier who will either have:</p> <ul style="list-style-type: none"> <li>○ A pending registration</li> <li>○ A recently confirmed and current registration.</li> </ul> | See MPRN validation above |
| 2  | SEG | Party Contact Details | 1   |             | <p>Details enabling the Supplier to be contacted in the event of a query with the request.</p> <p>See Common Data Segments for detailed notes on structure and population</p>  | Not validated by MRSO     |

MRSO will use the data in the message to process the Supplier’s cancellation request. The validations are described above and in the relevant MPD documentation.

## **Retail Market Message Guide – Meter Registration**

If the cancellation request is accepted then one of the following messages is generated:

- Message 111A is sent to the Old Supplier if the request is for cancellation of a Change of Supplier that has been completed and is not subject to an outstanding objection; else
- Message 111 is sent to the New Supplier to indicate cancellation of the registration
- Message 111L is sent to the Old Supplier to indicate cancellation of the registration.

If the cancellation request is rejected then the following messages is returned to the Supplier:

- Message 111R indicates rejection of a cancellation request.

### **2.4.3 Message 011A: Cancel Change of Supplier Agreement**

#### **Purpose and Description of Message/Validation**

Message 011A is sent by an Old Supplier to MRSO to indicate agreement, or otherwise, to the cancellation of a New Supplier's registration to a Meter Point. An Old Supplier should only send message 011A in response to receipt of message 111A. MRSO will undertake the validation.

## Retail Market Message Guide – Meter Registration

It identifies the MPRN and the reason for cancellation.

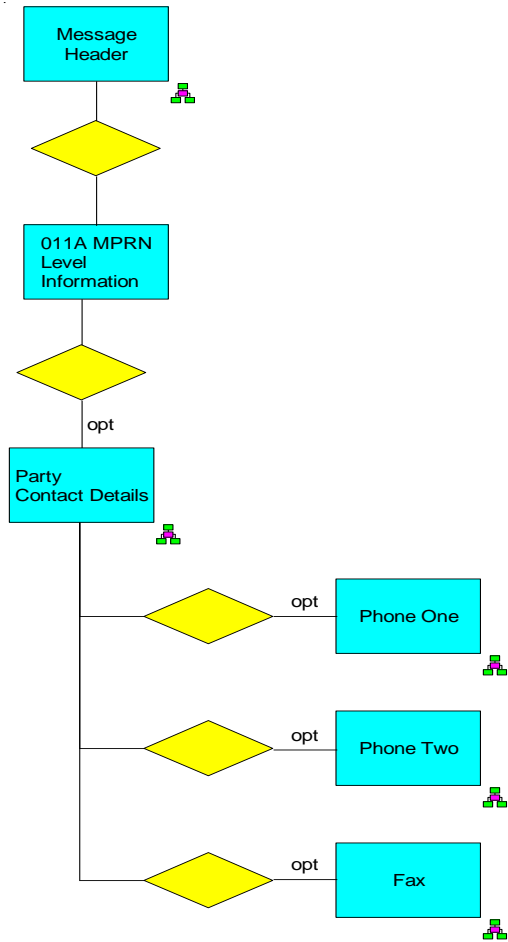
Message 011A is used in the following Market Process:

| Process Number and Title |   | Use of Message   |
|--------------------------|---|--|
| MPD 3                    | Change of Supplier – Objection and Cancellation | To indicate agreement, or otherwise, to the cancellation of a New Supplier's registration to a Meter Point |

The Old Supplier has a minimum of 5 days from receipt of the 111A message to indicate their agreement or disagreement by sending the 011A message.

## Retail Market Message Guide – Meter Registration

### Data Hierarchy Diagram



Retail Market Message Guide – Meter Registration

**Composition Instructions/Validation**

The Supplier should follow the instructions below in populating the Cancel Change of Supplier Agreement message. MRSO will undertake the validation.

| Segment and Field Level Identifier – 011A Message |     |                                       | Rpt | Optionality | Description / Purpose and composition instructions  | Validation  |
|---|-----|---------------------------------------|-----|-------------|---|---|
| 1 Message Header                                  |     |                                       | 1   | Mandatory   | See Common Data Segments for detailed notes on structure and population.  | Not validated by MRSO   |
| 1 MPRN Level Information                          |     |                                       | 1   | Mandatory   |   |   |
| 2   | FLD | MPRN                                  | 1   |             | The unique identifying reference number for the Meter Point where the registration is requested to be cancelled.<br><br>All elements of the MPRN must be provided | MRSO will check that the MPRN was previously registered (within the last 65 days) to the Supplier indicated on the message and that a Cancellation Notification (111A) was previously sent. |
| 2   | FLD | Market Participant Business Reference | 1   | Mandatory   | The Supplier must provide an internal reference number.   | Not validated by MRSO   |



Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 011A Message |     |                        | Rpt | Optionality | Description/Purpose and composition instructions   | Validation  |
|---|-----|------------------------|-----|-------------|--|---|
| 2   | FLD | Cancellation Agreement | 1   | Mandatory   | <p>A Boolean true/false flag indicating that an Old Supplier agrees or does not agree to a cancellation of a Change of Supplier. It must be set to either:</p> <ul style="list-style-type: none"> <li>○ <b>1 i.e. a logical value of True</b> denoting agreement to the request for cancellation; or</li> <li>○ <b>0 i.e. a logical value of False</b> denoting disagreement with the request for cancellation.</li> </ul> | MRSO will check that the flag is set to True or False |
| 2   | FLD | Supplier ID            | 1   | Mandatory   | A code identifying the Supplier responding to the Change of Supplier Cancellation Notification. It must be set to the previously registered Old Supplier.  | See MPRN validation above                             |
| 2   | SEG | Party Contact Details  | 1   | Optional    | Details enabling the Supplier to be contacted in the event of a query with the request. See Common Data Segments for detailed notes on structure and population  | Not validated by MRSO                                 |

## Retail Market Message Guide – Meter Registration

MRSO will use the data in the message to process the Old Supplier's cancellation response. The validations are described above and in the relevant MPD documentation.

If the cancellation agreement flag is set to True and the agreement is accepted then the Old Supplier is registered as of the Change of Supplier date and message 111 will be sent to the New Supplier and 111L to the Old Supplier to indicate cancellation of the Change of Supplier.

If the cancellation agreement flag is set to False and the disagreement is accepted then message 111R will be sent to the New Supplier to indicate that the New Supplier registration will not be cancelled.

### 2.4.4 Message 012: Notification of Objection

#### **Purpose and Description of Message/Validation**

Message 012 is sent by an Old Supplier to MRSO in order to object to the erroneous transfer of a Meter Point to a New Supplier or to object on the grounds of Debt. DSO will undertake validation of the message at segment and field level

It identifies the MPRN for which an objection is being made together with address and customer identification details.

Message 012 is used in the following Market Process:

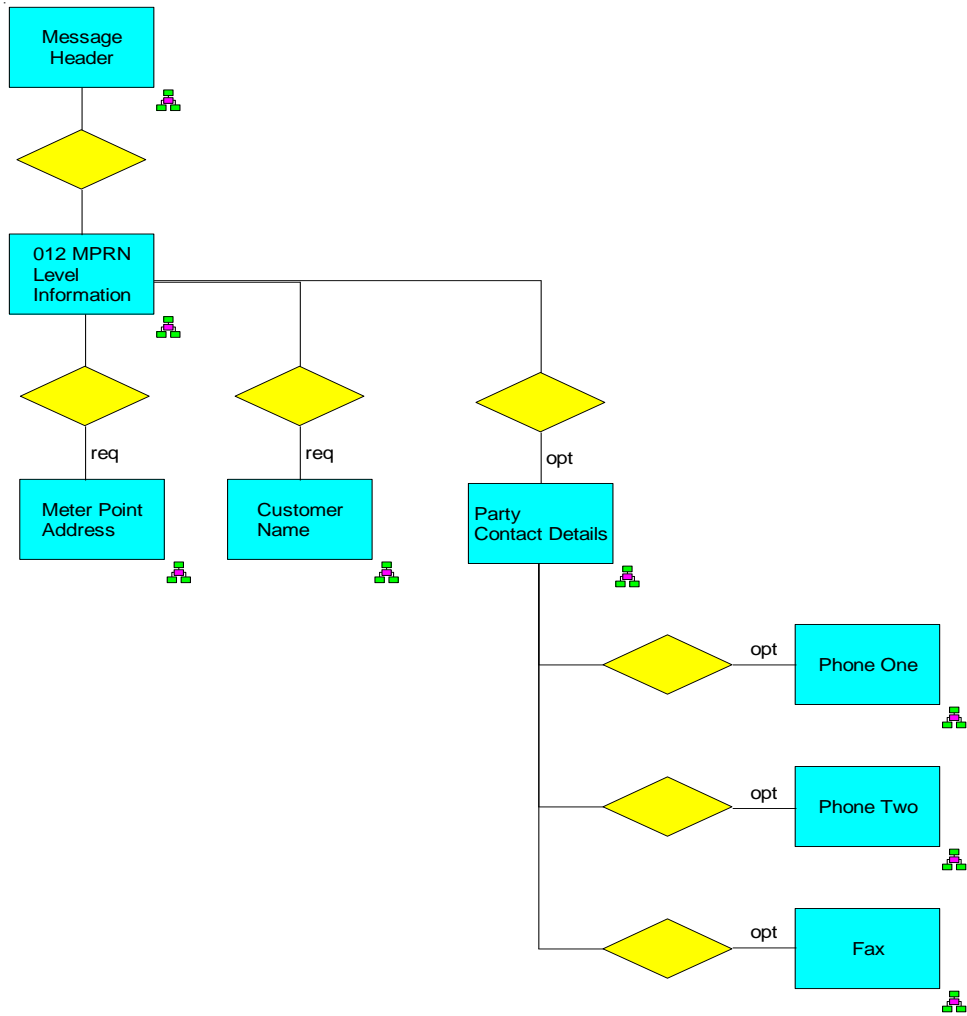
| Process Number and Title |   | Use of Message                                       |
|--------------------------|---|--|
| MPD 3                    | Change of Supplier – Objection and Cancellation | To object to the erroneous transfer of a Meter Point |

**Retail Market Message Guide – Meter Registration**

| <b>Process Number and Title</b> |                         | <b>Use of Message</b>   |
|---------------------------------|-------------------------|---|
| MPD<br>3.1                      | Automated Debt Flagging | To object on the grounds of debt to a transfer of a Meter Point |

# Retail Market Message Guide – Meter Registration

## Data Hierarchy Diagram



## Retail Market Message Guide – Meter Registration

### Composition Instructions/Validation

Supplier should follow the instructions below in populating the Objection message. MRSO will undertake validation of the message at segment and field level

| Segment and Field Level Identifier – 012 Message |     |                                       | Rpt | Optionalit y | Description / Purpose and composition instructions  | Validation  |
|--|-----|---------------------------------------|-----|--------------|---|---|
| 1 Message Header                                 |     |                                       | 1   | Mandatory    | See Common Data Segments for detailed notes on structure and population.  | Not validated by MRSO   |
| 1 MPRN Level Information                         |     |                                       | 1   | Mandatory    |   |   |
| 2  | FLD | MPRN                                  | 1   | Mandatory    | The unique identifying reference number for the Meter Point where an objection is being initiated.<br><br>All elements of the MPRN must be provided | MRSO will check that either: <ul style="list-style-type: none"> <li>○ the MPRN is registered to the Supplier initiating the objection and a Change of Supplier is in progress**; or</li> </ul> the MPRN was previously registered (within the last 60 days) to the Supplier initiating the objection. |
| 2  | FLD | Market Participant Business Reference | 1   | Mandatory    | The Supplier must provide an internal reference number.   | Not validated by MRSO.  |
| 2  | SEG | Meter Point Address                   | 1   | Mandatory    | The address at which the Meter Point is connected.  | The Meter Point Address will be compared to that held by DSO. If there is a discrepancy, other than minor differences in spelling, then the objection will be rejected.   |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 012 Message |     |                  | Rpt | Optionalit y | Description / Purpose and composition instructions   | Validation   |
|--|-----|------------------|-----|--------------|--|--|
|  |     |                  |     |              | Where possible the Supplier should use the address as published by DSO as this will aid validation.<br><br>See Common Data Segments for detailed notes on structure and population.  |  |
| 2  | SEG | Customer Name    | 1   | Mandatory    | The Supplier should provide the name of the customer with whom they have or had an agreement to supply at the Meter Point and Meter Point Address.<br><br>See Common Data Segments for detailed notes on structure and population. | Not validated by MRSO  |
| 2  | FLD | Request Status   | 1   | Mandatory    | A code that indicates that a request is being initiated. This must be set to:<br><br>○ <b>I</b> – denoting initiation of the objection   | Not validated by MRSO  |
| 2  | FLD | Objection Reason | 1   | Mandatory    | A code to indicate the old supplier's reason for the objection. This must be set to either <b>ET</b> - Erroneous Transfer or DCN Debt Contact Notification.  | MRSO will check that this is set to <b>ET</b> - Erroneous Transfer. Or DCN Debt Contact Notification. The Message will fail validation if it is not. |
| 2  | FLD | Supplier ID      | 1   | Mandatory    | This must be set to the currently or previously registered Supplier that is hereby objecting to the Change of Supplier.  | See MPRN validation above  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 012 Message |     |                       | Rpt | Optionality | Description / Purpose and composition instructions  | Validation            |
|--|-----|-----------------------|-----|-------------|---|-----------------------|
| 2  | SEG | Party Contact Details | 1   | Optional    | <p>Details enabling the Supplier to be contacted in the event of a query with the objection. An entry is recommended to enable the New Supplier to contact the Old Supplier to discuss the objection.</p> <p>See Common Data Segments for detailed notes on structure and population.</p> | Not validated by MRSO |

\*\* If the 012 message is valid and the objection code was ET, the in progress Change of Supplier is suspended for a period of 10 working days, this objection window allows the New Supplier the option to cancel the in progress Change of Supplier.

\*\* If the 012 message is valid and the objection code was DCN, the Second Wait Period (SWP) starts when the 112 message issues to the New Supplier and ends a max of 48hrs later MRSO will use the data in the message to process the Suppliers objection. The validations are described above and in the relevant MPD documentation.

If the objection request is accepted then:

- Message 112 is sent to the New Supplier to report an objection and give them the opportunity to cancel the Change of Supplier.

If the objection is rejected then the following message is returned to the Supplier:

- Message 112R indicates rejection of an objection.

## Retail Market Message Guide – Meter Registration

### 2.4.5 Message 012W: Withdrawal of Objection

#### Purpose and Description of Message/Validation

Message 012W is sent by an old Supplier to MRSO in order to withdraw an objection they have previously made to a Change of Supplier.

It identifies the MPRN for which the objection is being withdrawn. MRSO will undertake the validation.

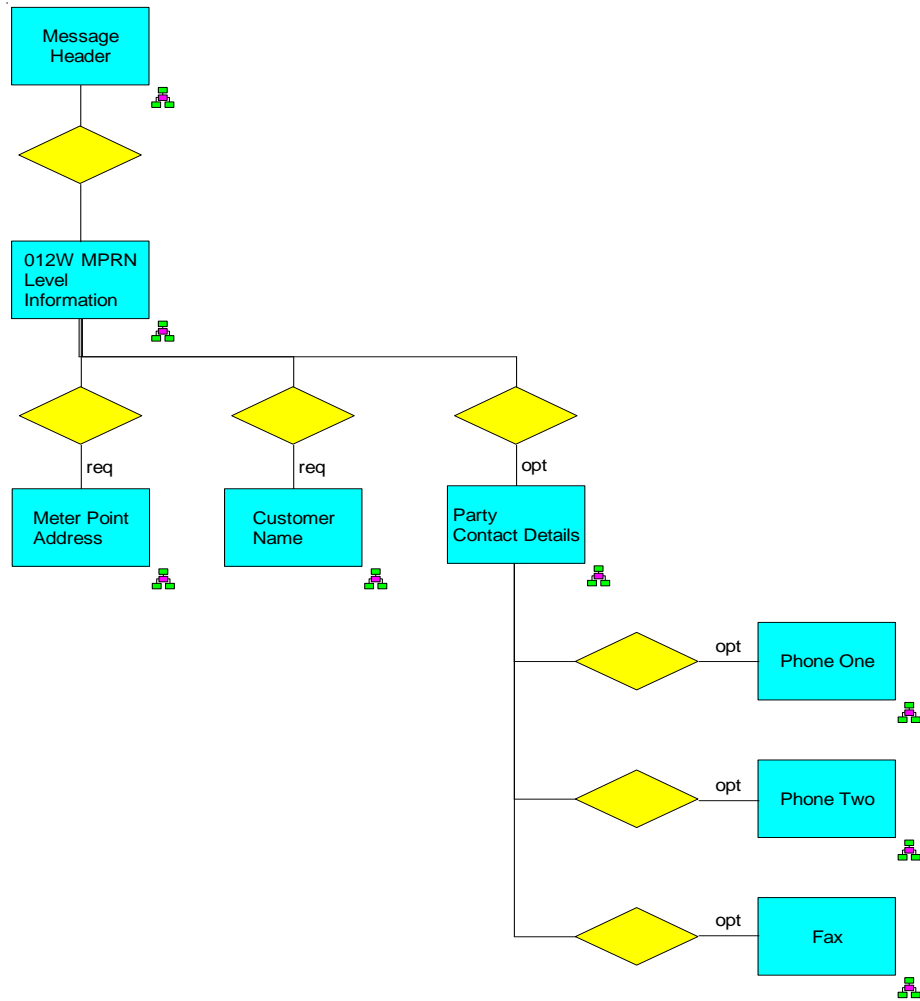
Message 012W is used in the following Market Process:

| Process Number and Title |   | Use of Message                                   |
|--------------------------|---|--|
| MPD 3                    | Change of Supplier – Objection and Cancellation | To withdraw an objection to a Change of Supplier |



# Retail Market Message Guide – Meter Registration

## Data Hierarchy Diagram



## Retail Market Message Guide – Meter Registration

### Composition Instructions/Validation

Supplier should follow the instructions below in populating the Objection Withdrawal message. MRSO will undertake the validation.

| Segment and Field Level Identifier – 012W Message |     |                                       | Rpt | Optionality | Description / Purpose and composition instructions  | Validation   |
|---|-----|---------------------------------------|-----|-------------|---|--|
| 1 Message Header                                  |     |                                       | 1   | Mandatory   | See Common Data Segments for detailed notes on structure and population.  | Not validated by MRSO  |
| 1 MPRN Level Information                          |     |                                       | 1   | Mandatory   |   |  |
| 2   | FLD | MPRN                                  | 1   | Mandatory   | The unique identifying reference number for the Meter Point where an objection is being withdrawn.<br><br>All elements of the MPRN must be provided   | MRSO will check that the Supplier has previously initiated an objection for this MPRN.   |
| 2   | FLD | Market Participant Business Reference | 1   | Mandatory   | The Supplier must provide an internal reference number.   | Not validated by MRSO  |
| 2   | SEG | Meter Point Address                   | 1   | Mandatory   | The address at which the Meter Point is connected.<br><br>Where possible the Supplier should use the address as published by DSO as this will aid validation.<br><br>See Common Data Segments for detailed notes on structure and population. | The Meter Point Address will be compared to that held by DSO. If there is a discrepancy, other than minor differences in spelling, then the withdrawal will be rejected. |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 012W Message |     |                       | Rpt | Optionality | Description / Purpose and composition instructions   | Validation  |
|---|-----|-----------------------|-----|-------------|--|---|
| 2   | SEG | Customer Name         | 1   | Mandatory   | The Supplier should provide the name of the customer with whom they have or had an agreement to supply at the Meter Point and Meter Point Address.<br><br>See Common Data Segments for detailed notes on structure and population. | Not validated by MRSO   |
| 2   | FLD | Request Status        | 1   | Mandatory   | A code that indicates that a request is being withdrawn. This must be set to:<br><br><ul style="list-style-type: none"> <li>○ W – denoting withdrawal of the objection</li> </ul>  | Not validated by MRSO   |
| 2   | FLD | Objection Reason      | 1   | Mandatory   | A code to indicate the old supplier's reason for the objection.<br><br><ul style="list-style-type: none"> <li>○ This must be set to ET - Erroneous Transfer for this message.</li> </ul>   | MRSO will check that this is set to ET - Erroneous Transfer. Message will fail validation if it is not. |
| 2   | FLD | Supplier ID           | 1   | Mandatory   | This must be set to the ID of the Supplier that is hereby withdrawing their objection to the Change of Supplier  | See MPRN validation above   |
| 2   | SEG | Party Contact Details | 1   | Optional    | Details enabling the Supplier to be contacted in the event of a query with the withdrawal.<br><br>See Common Data Segments for detailed notes on structure and population.   | Not validated by MRSO   |

## Retail Market Message Guide – Meter Registration

If accepted, MRSO will process the Supplier's objection withdrawal by forwarding message 112W to the new Supplier and will continue with any suspended Change of Supplier process.

### 2.4.6 Message 021: De-Registration Request

#### Purpose and Description of Message/Validation

Message 021 is sent by an existing Supplier to MRSO in order to de-register a Meter Point. MRSO will undertake the validation.

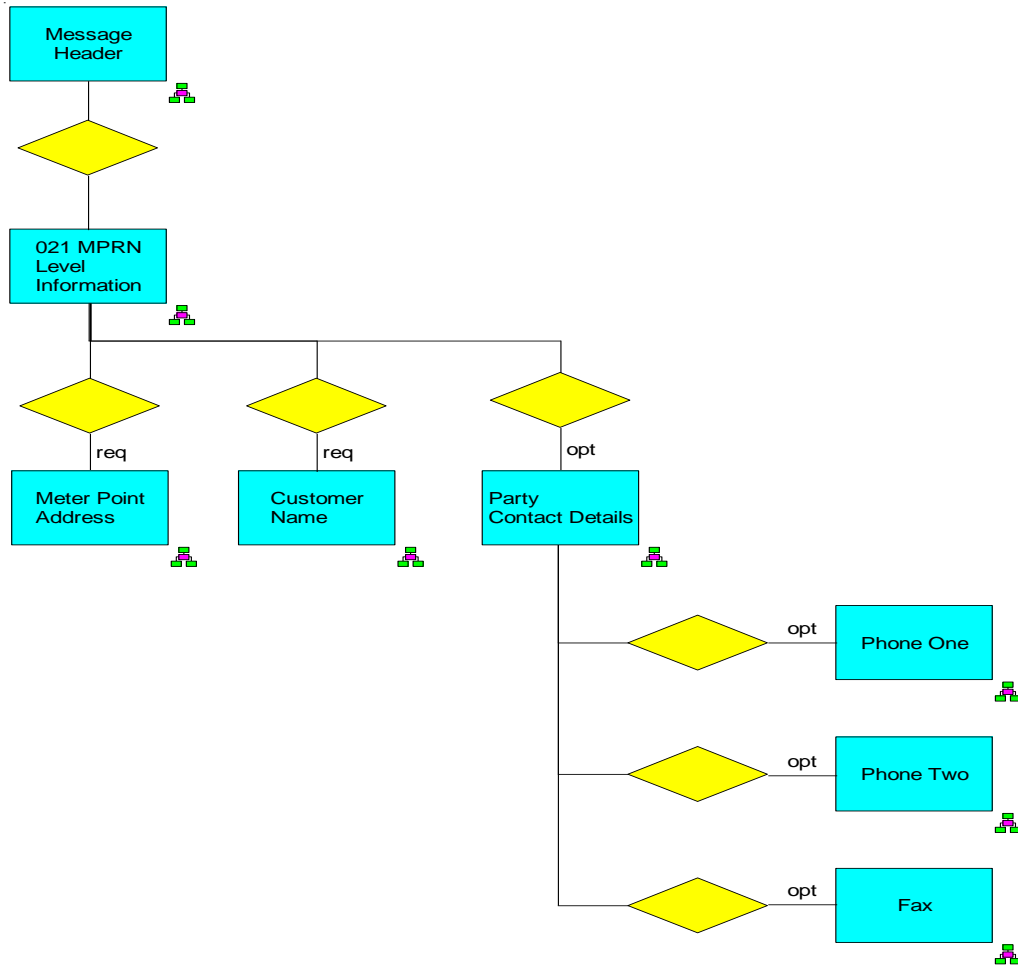
It identifies the MPRN and the reason for de-registration.

Message 021 is used in the following Market Process:

| Process Number and Title |                 | Use of Message                              |
|--------------------------|-----------------|---|
| MPD 21                   | De-Registration | To request de-registration of a Meter Point |

## Retail Market Message Guide – Meter Registration

### Data Hierarchy Diagram



**Retail Market Message Guide – Meter Registration**

**Composition Instructions/Validation**

Supplier should follow the instructions below in populating the De-Registration message. DSO will undertake validation of the message at segment and field level

| Segment and Field Level Identifier – 021 Message |     |                                       | Rp<br>t | Optionality | Description / Purpose and composition instructions  | Validation   |
|--|-----|---------------------------------------|---------|-------------|---|--|
| 1 Message Header                                 |     |                                       | 1       | Mandatory   | See Common Data Segments for detailed notes on structure and population.  | Not validated by MRSO  |
| 1 MPRN Level Information                         |     |                                       | 1       | Mandatory   |   |  |
| 2  | FLD | MPRN                                  | 1       | Mandatory   | The unique identifying reference number for the Meter Point for which de-registration is sought.<br><br>All elements of the MPRN to be de-registered must be provided | MRSO will check that the MPRN is registered to the Supplier requesting the de-registration |
| 2  | FLD | Market Participant Business Reference | 1       | Mandatory   | The Supplier must provide an internal reference number.   | Not validated by MRSO  |
| 2  | SEG | Meter Point Address                   | 1       | Mandatory   | The address at which the Meter Point is connected.  | Not validated by MRSO.   |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 021 Message |     |                        | Rpt | Optionality | Description / Purpose and composition instructions  | Validation   |
|--|-----|------------------------|-----|-------------|---|--|
|  |     |                        |     |             | Where possible the Supplier should use the address as published by DSO as this will aid validation.<br><br>See Common Data Segments for detailed notes on structure and population.   |  |
| 2  | SEG | Customer Name          | 1   | Mandatory   | The Supplier must identify the customer with whom they had an agreement to supply electricity at the Meter Point and Meter Point Address. See Common Data Segments for detailed notes on structure and population.  | Not validated by MRSO  |
| 2  | FLD | De-Registration Reason | 1   | Mandatory   | A code to indicate the Supplier’s reason for requesting de-registration.<br><br>The Supplier should indicate one of the following codes: <ul style="list-style-type: none"> <li>○ <b>CUS</b> – customer is no longer present at Meter Point</li> <li>○ <b>PRM</b> – premise no longer exists at Meter Point (e.g. for reasons of demolition) or connection has been permanently removed at Meter</li> </ul> | MRSO will check that De-registration Reason is set to one of the codes allowable. MRSO will also check the following: <ol style="list-style-type: none"> <li>1. MIC &lt; 100kVA /Meter Point Status = D &gt; 3mths /De-Registration Reason = CUS or PRM # DeRegister</li> <li>2. MIC &lt; 100kVA /Meter Point Status = D &lt; 3mths /De Registration Reason = CUS # Reject</li> <li>3. MIC &lt; 100kVA /Meter Point Status = D &lt; 3mths / Reason = PRM # Refer to DSO</li> <li>4. MIC &gt; 100kVA / Meter Point Status = D &gt; 6mths / Reason = CUS or PRM #</li> </ol> |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 021 Message |     |                       | Rpt | Optionality | Description / Purpose and composition instructions  | Validation  |
|--|-----|-----------------------|-----|-------------|---|---|
|  |     |                       |     |             | Point   | DeRegister<br><br>5. MIC > 100kVA / Meter Point Status = D > 3mths and < 6mths / Reason CUS or PRM # Refer to DSO   |
| 2  | FLD | Request Status        | 1   | Mandatory   | A code that indicates that a request is being initiated. This must be set to: <ul style="list-style-type: none"> <li>○ I – denoting initiation of the request</li> </ul>  | Not validated by MRSO   |
| 2  | FLD | Supplier ID           | 1   | Mandatory   | This must be set to the ID of the Supplier that is registered to the Meter Point and is hereby requesting de-registration.  | See MPRN validation above   |
| 2  | SEG | Party Contact Details | 1   | Optional    | Details enabling the Supplier to be contacted in the event of a query with the request.<br><br>See Common Data Segments for detailed notes on structure and population.   | Not validated by MRSO   |
| 2  | FLD | Required Date         | 1   | Mandatory   | The Supplier should provide date from which de-registration is requested to become effective.<br><br>If the request is accepted then the last day of the registration will be the day before the Required Date. | MRSO will check that: <ul style="list-style-type: none"> <li>○ The required date is not retrospective to the date of receipt by MRSO</li> <li>○ The required date is not more than 10 working days later than the date of receipt by MRSO</li> </ul> <p>The Meter Point has been de-energised for three</p> |



**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 021 Message | Rpt | Optionality | Description / Purpose and composition instructions | Validation  |
|--|-----|-------------|--|---|
|  |     |             |  | <p>months at the required date. If it has not then, in the certain circumstances outlined in MPD21 the request may be referred to DSO or TSO for acceptance or rejection; otherwise the request is rejected.</p> <p>If the required date is in the future, a 122 message will issue and the de-registration will be applied</p> |

MRSO will use the data in the message to process the Supplier’s de-registration request. The validations are described above and in the relevant MPD documentation.

If the de-registration request is accepted then the following messages is generated:

- Message 122 is sent to the Supplier to indicate de-registration of the Meter Point.

If the de-registration request is rejected then the following message is returned to the Supplier:

- Message 122R indicates rejection of a de-registration request.

## Retail Market Message Guide – Meter Registration

### 2.5 Message Directory – MRSO to Supplier

#### 2.5.1 Message 101: New Connection – Registration Acceptance

##### **Purpose and Description of Message**

Message 101 is sent by MRSO to a Supplier to advise that a registration request has been accepted and is confirmed as complete and effective. It is also sent to a Supplier of Last Resort to advise that a registration has been made to the Supplier of Last Resort for a Meter Point that has been energised without a registration.

Message 101 is also sent to TSO for Interval Meter Points. Message 101 is used in the following Market Processes:

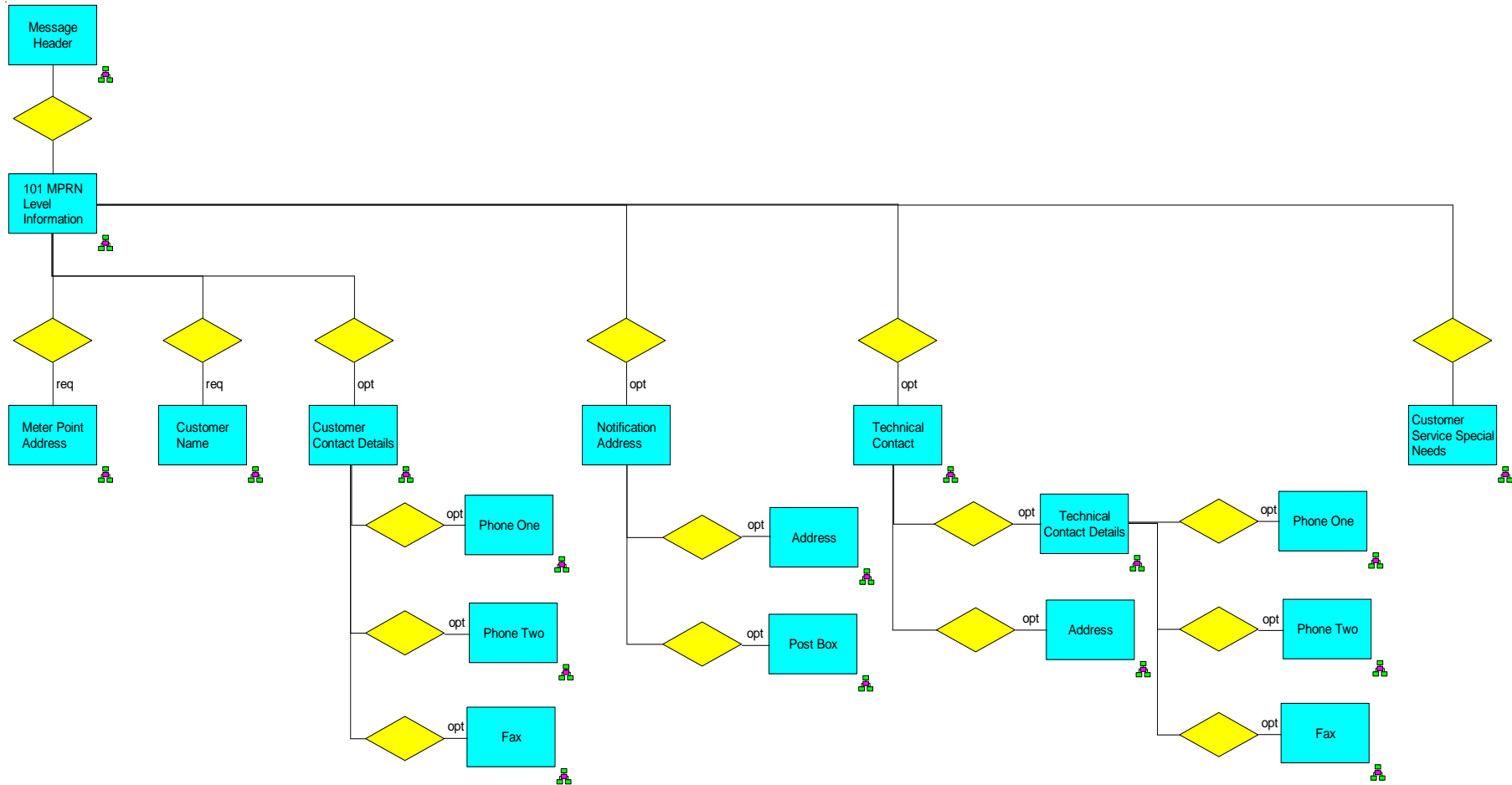
| Process Number and Title |  | Use of Message   |
|--------------------------|--|--|
| MPD 5                    | New Non Interval Metered Connection                      | To accept a registration request for a metered Non Interval Meter Point  |
| MPD 6                    | New Interval Metered Connection                          | To accept a registration request for an Interval Meter Point   |
| MPD 7                    | New Distribution Connected Non-Participant Generator 1.1 | To accept a registration request for a new Distribution Connected Non-Participant Generator for import as part of the new connection process |
| MPD 7                    | New Distribution Connected Participant Generator 1.2     | To accept a registration request for a new Distribution Connected Participant Generator for import as part of the new connection process     |
| MPD 28                   | New Technical MPRN v1.2                                  | To accept a registration request for a new Single Point Unmetered site as part of the new connection process                                 |

## **Retail Market Message Guide – Meter Registration**

If message 101P has been previously sent, message 101 provides a complete refresh of data, including data previously sent using message 101P.

# Retail Market Message Guide – Meter Registration

## Data Hierarchy Diagram



Retail Market Message Guide – Meter Registration

**Message Structure and Interpretation**

| Segment and Field Level Identifier – 101 Message |     |                                       | Rpt | Optionality      | Description and Purpose   |
|--|-----|---------------------------------------|-----|------------------|---|
| 1 Message Header                                 |     |                                       | 1   | Mandatory        | See Common Data Segments for detailed notes on structure and population.  |
| 1 MPRN Level Information                         |     |                                       | 1   | Mandatory        |   |
| 2  | FLD | MPRN                                  | 1   | Mandatory        | The unique identifying reference number for the Meter Point for which the registration has been accepted  |
| 2  | FLD | Market Participant Business Reference | 1   | See Instructions | A reference to the Market Participant Business Reference provided in the Message Header of the 010 message sent by the Supplier to MRSO. It enables the Supplier to uniquely identify the original message to which this is the response.<br><br>This will not be included when the registration is to the Supplier of Last Resort. |
| 2  | SEG | Meter Point Address                   | 1   | Mandatory        | The address at which the Meter Point is connected that is currently held by ESB DSO. See Common Data Segments for a description of individual data fields.  |
| 2  | FLD | Meter Point Status                    | 1   | Mandatory        | The current connection status of the Meter Point. This should take the following value:<br><br><ul style="list-style-type: none"> <li>• E – Meter Point is Energised</li> </ul>   |
| 2  | FLD | Supplier ID                           | 1   | See              | The Supplier to whom the Meter Point is registered. This is provided  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 101 Message |     |                         | Rpt | Optionality  | Description and Purpose   |
|--|-----|-------------------------|-----|--------------|---|
|  |     |                         |     | instructions | on final acceptance only  |
| 2  | FLD | Supplier Unit ID        | 1   | Mandatory    | The Supplier Unit to which the Meter Point is registered. Format SU_nnnnnn  |
| 2  | FLD | SSAC                    | 1   | Mandatory    | The arrangement, requested by the Supplier, under which consumption usage will be aggregated for settlement.  |
| 2  | FLD | Settlement Class        | 1   | Mandatory    | A code that specifies how data is to be processed and aggregated for Settlement. This will take one of the following values: <ul style="list-style-type: none"> <li>• <b>N</b> – Synthetic profile to be used in settlement</li> <li>• <b>P</b> – Interval data (collected from Interval Meter) to be used in settlement</li> <li>• <b>U</b> – Meter point settled using unmetered profile</li> </ul> |
| 2  | FLD | Connection System       | 1   | Mandatory    | A code that indicates the network to which the Meter Point is connected. This will take one of the following values: <ul style="list-style-type: none"> <li>• <b>DSO_GRID</b> – The Distribution Network operated by ESB DSO</li> <li>• <b>TSO_GRID</b> – The Transmission Network operated by Eirgrid</li> </ul>   |
| 2  | FLD | DUoS Group              | 1   | Mandatory    | A code which denotes the current use of system tariff applied by ESB DSO to the Meter Point.  |
| 2  | FLD | Maximum Import Capacity | 1   | Optional     | The capacity in kVA currently agreed in the connection agreement and permitted to be imported at a meter point.   |
| 2  | FLD | Load Factor             | 1   | See          | A code that defines the current pattern of demand and so affects the load profile allocated to a Maximum Demand Meter Point. The code   |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 101 Message |     |                                     | Rpt | Optionality     | Description and Purpose  |
|--|-----|-------------------------------------|-----|-----------------|--|
|  |     |                                     |     | Description     | will not be present for Interval or for non-Maximum Demand Meter Points.   |
| 2  | FLD | Meter Configuration Code            | 1   | See Description | A code that indicates the functionality delivered by the combination of registers that is currently installed at a metered Meter Point, provided where known at the time of acceptance.  |
| 2  | FLD | DLF (Distribution Loss Factor) Code | 1   | Mandatory       | A code used to indicate the Distribution Loss Factor. The DLF code is either determined by the connection voltage or may be specific to a site.  |
| 2  | FLD | Transformer Loss Factor             | 1   | See Description | The factor that is currently applied to account for transformer losses when a meter point is metered at lower voltage than the connection voltage. The majority of sites are not metered in this way and therefore the Transformer Loss Factor will not normally be present. |
| 2  | FLD | Essential Plant                     | 1   | See Description | A flag will be set to :<br><b>1 i.e. a logical value of True – where ESN determine a site is Essential Plant</b><br><b>0 i.e. a logical value of False - where ESN determine a site is no longer Essential Plant</b>   |
| 2  | SEG | Customer Name                       | 1   | Mandatory       | The customer name advised by the Supplier.<br><br>See Common Data Segments for a description of individual data fields.  |
| 2  | FLD | Change of Tenant / Legal Entity     | 1   | Mandatory       | A Boolean message flag that will be set to:<br><br><ul style="list-style-type: none"> <li><b>1 i.e. a logical value of True</b> - if MRSO believes that the</li> </ul>   |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 101 Message |     |                           | Rpt | Optionality      | Description and Purpose  |
|--|-----|---------------------------|-----|------------------|--|
|  |     |                           |     |                  | <p>identity of the customer has changed</p> <ul style="list-style-type: none"> <li>• <b>0 i.e. a logical value of False</b> – if MRSO believes that the identity of the customer has not changed</li> </ul>  |
| 2  | SEG | Customer Contact Details  | 1   | See Description  | The set of details enabling the customer to be contacted. These are returned if and as advised by the Supplier. See Common Data Segments for a description of individual data fields.  |
| 2  | SEG | Notification Address      | 1   | See Description  | The address for correspondence with customers. These are returned if and as advised by the Supplier. See Common Data Segments for a description of individual data fields.   |
| 2  | FLD | Contact Name (Technical)  | 1   | See instructions | This is the contact name of a person available for contacting for Technical purposes relating to the Meter Point where this is different to the Customer Contact. This field must be provided where Technical contact name details are being added or changed for an MPRN. |
| 2  | SEG | Technical Contact Details | 1   | See instructions | This segment refers to the technical contact phone numbers for a technical representative. This segment must be populated where Suppliers are creating new technical contact details for an MPRN or where they are changing existing technical contact details.            |
| 3  | FLD | Phone number 1            | 1   | See instructions | This is the principal phone number of a Technical contact and must be populated by Supplier  |
| 3  | FLD | Phone Ext1                | 1   | Optional         | This is the principal phone number overflow field for storing number extensions where applicable   |



## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 101 Message |     |                                 | Rpt | Optionality      | Description and Purpose  |
|--|-----|---------------------------------|-----|------------------|--|
| 3  | FLD | Phone number 2                  | 1   | Optional         | This field can be used for the secondary phone number where this is required.  |
| 3  | FLD | Phone Ext2                      | 1   | Optional         | This is the secondary phone number overflow field for storing number extensions where applicable.  |
| 3  | FLD | Fax                             | 1   | Optional         | This field is intended to store a Fax telephone number where applicable  |
| 3  | FLD | Fax Ext                         | 1   | Optional         | This field is intended to store a Fax extension telephone number where applicable  |
| 3  | FLD | Email                           | 1   | Optional         | This field is intended to store email address details where applicable   |
| 2  | SEG | Street Type Address (Technical) | 1   | See instructions | Street type address provides details such as Street Name, House no etc. This segment is mandatory where a street type address is being provided or changed as part of Technical Contact details. |
| 3  | FLD | C/O Name                        | 1   | Optional         | This is the name to which correspondence can be addressed where this is different to the contact name.   |
| 3  | FLD | Unit No.                        | 1   | Optional         | This field can be used to populate information relating to the unit, flat or apartment number that can be part of an address   |
| 3  | FLD | Addr Line 1                     | 1   | Optional         | This field can be used as overflow for address details that apply before the street part of an address.  |
| 3  | FLD | Addr Line 2                     | 1   | Optional         | This field can be used as overflow for address details that apply before the street part of an address.  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 101 Message |     |                  | Rpt | Optionality | Description and Purpose   |
|--|-----|------------------|-----|-------------|---|
| 3  | FLD | House No.        | 1   | Optional    | This can be used to populate the number of a premises given as part of an address   |
| 3  | FLD | Street           | 1   | Mandatory   | This field stores information relating to the street part of an address and must be populated if the segment is provided.   |
| 3  | FLD | Addr Line 4      | 1   | Optional    | This field can be used as overflow for address details that apply after the street part of an address.  |
| 3  | FLD | Addr Line 5      | 1   | Optional    | This field can be used as overflow for address details that apply after the street part of an address.  |
| 3  | FLD | Postal code      | 1   | Optional    | <p>This is the Postal Code given as part of an address where appropriate. Ireland has implemented a Postal Code system called Eircode and where available it is recommended that these Postal Codes for Technical Contact Details are communicated in Market Messages.</p> <p>They should conform to the Eircode structure A65F4E2 (there is one allowable exception for the first three characters viz.D6W) where each Eircode is comprised of seven uppercase alpha/numeric characters.</p> |
| 3  | FLD | City             | 1   | Optional    | Used to populate the details of which City an address resides in where appropriate  |
| 3  | FLD | County - Ireland | 1   | See         | A field denoting the county in Ireland in which an address resides. See the list of data codes for permissible values here. If the  |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 101 Message |     |                                 | Rpt  | Optionality      | Description and Purpose  |
|--|-----|---------------------------------|------|------------------|--|
|  |     |                                 |      | instructions     | Technical (Street Type) Address is in Ireland this item must be populated.   |
| 3  | FLD | County / State                  | 1    | Optional         | This denotes the county in which an address is situated. This is a free text 40 character field for use in non – Irish Addresses.  |
| 3  | FLD | Country                         | 1    | See instructions | A field that makes up part of an address denoting in which country the address resides. See the list of data codes for permissible values here.<br><br>This field must be populated where a Technical Contact Address is provided.   |
| 2  | FLD | Medical Equipment Special Needs | 1    | See instructions | A code indicating the type of medical equipment special needs that a customer has, returned if and as advised by the Supplier.   |
| 2  | SEG | Customer Service Special Needs  | 0..N | Optional         | Add new segment to carry one or more Customer Special Needs Codes  |
| 3  | FLD | CustomerServiceDetailsCode      | 1..N | Mandatory        | A code or set of codes indicating the type of special customer service need(s) that a customer has.<br><br>If the customer has special customer service needs then the relevant code or codes should be selected from the following: <ul style="list-style-type: none"> <li>• <b>0001</b> Visually Impaired</li> <li>• <b>0002</b> Speech Impaired</li> <li>• <b>0003</b> Hearing Impaired</li> <li>• <b>0004</b> Elderly</li> <li>• <b>0005</b> Language Difficulty</li> <li>• <b>0006</b> Learning Difficulty</li> </ul> |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 101 Message |     |                             | Rpt | Optionality      | Description and Purpose  |
|--|-----|-----------------------------|-----|------------------|--|
|  |     |                             |     |                  | <ul style="list-style-type: none"> <li>• <b>0007</b> Mobility Impaired</li> <li>• <b>0008</b> Dexterity Impaired</li> <li>• <b>0009</b> Mental Health</li> </ul> Validation ensures that only codes relevant to ROI are provided and invalid codes are rejected. |
| 2  | FLD | Maximum Export Capacity     | 1   | See instructions | The capacity in kVA currently agreed in the connection agreement and permitted to be exported at a meter point, provided only where a Generation Unit is being registered.   |
| 2  | FLD | Read Frequency              | 1   | See instructions | A code that indicates the frequency with which a meter reading is scheduled to be taken by ESB Data Collector. Provided for Non Interval Meter Points where known at the time of acceptance.   |
| 2  | FLD | Read Cycle Day              | 1   | See instructions | The day in a 41 day cycle that a meter is due to be read. Provided for Non Interval Meter Points where known at the time of acceptance.  |
| 2  | FLD | DUoS Billing Frequency Code | 1   | See Instructions | DUoS billing schedule for an MPRN with Half Hourly Interval Meter: <b>B</b> - Bi-Monthly.  |
| 2  | FLD | DUOS Billing Cycle          | 1   | See Instructions | The day in a 41 day cycle that a meter is due to be billed. Provided for Half Hourly Meter Points only   |
| 2  | FLD | Effective From Date         | 1   | See instructions | The effective date of the registration which will normally be the energisation date.   |
| 2  | FLD | Load Profile                | 1   | See instructions | Load Profile is a code that determines, when coupled with Timeslot, the derived profile to be applied to the consumption for settlement. This will be provided for Non Interval sites only and where available /   |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 101 Message |     |                            | Rpt  | Optionality | Description and Purpose   |
|--|-----|----------------------------|------|-------------|---|
|  |     |                            |      |             | determined at the time of sending this message.   |
| 2  | FLD | Registration Receipt Date  | 1    | Mandatory   | The date on which MRSO received the originating 010 Registration Request message.   |
| 2  | FLD | Keypad Premises Number     | 1    | Optional    | Not used in ROI.  |
| 2  | FLD | Comms Technically Feasible | 1    | Optional    | <p>This flag indicates to a supplier the feasibility of the Communications to the Smart meter</p> <p>Valid values are:</p> <ul style="list-style-type: none"> <li>• 01</li> <li>• 02</li> <li>• 03</li> <li>• 04</li> </ul> <p>Sites with legacy meters and smart meters that are awaiting Comms technically feasible confirmation will not show this field</p> |
| 2  | SEG | Smart Data Services        | 0..1 | Optional    | This segment contains the Interval and Non Interval Smart Data Services applicable to a Smart Meter   |
| 3  | FLD | Smart Data Services Code   | 1    | Mandatory   | <p>This field is populated where a Smart Data Service Code has been requested</p> <p>The valid codes are:</p>   |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 101 Message |     |                                     | Rpt | Optionality | Description and Purpose   |
|--|-----|-------------------------------------|-----|-------------|---|
|  |     |                                     |     |             | 01 – Interval Services<br><br>02 - Non Interval Services  |
| 3  | FLD | Meter Configuration Code (Required) | 1   | Mandatory   | The Meter Configuration Code (Required) is a code on a message to the supplier to indicate the functionality required by the Supplier to be delivered by the combination of registers physically installed at a meter point. It does not describe the technical attributes of the meter(s). |
| 2  | FLD | Smart Non Participation Code        | 1   | Optional    | Code to identify Smart Non Participation details as<br><br>02      Non Technical Non Participation<br>04      Smart Meter Exchange Deferred   |

## Retail Market Message Guide – Meter Registration

### 2.5.2 Message 101P: New Connection – Provisional Acceptance

#### Purpose and Description of Message

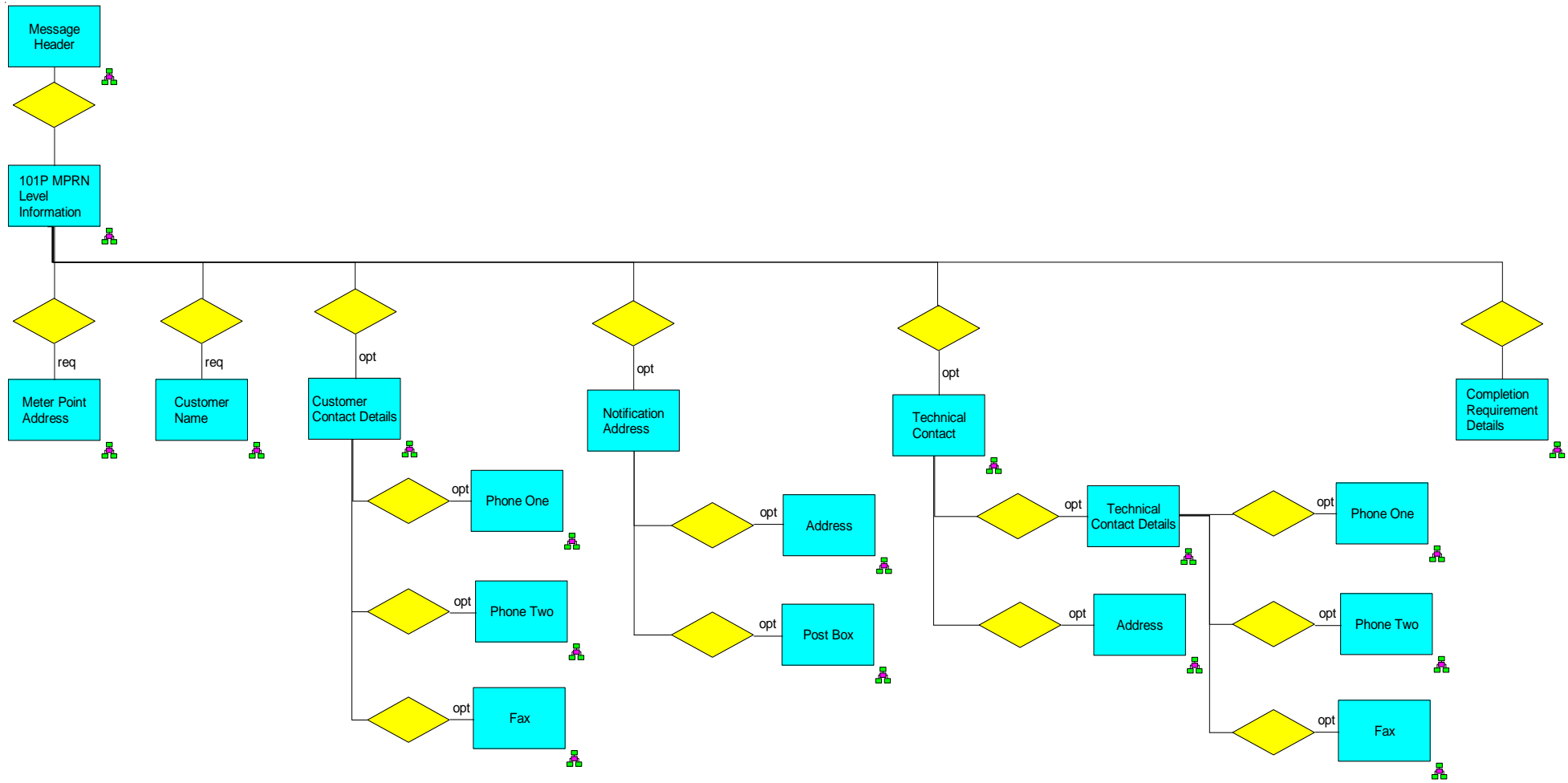
Message 101P is sent by MRSO to a Supplier to advise that a registration request has been provisionally accepted i.e. that there are some pre-conditions that must be met before a final acceptance can be sent.

Message 101P is used in the following Market Processes:

| Process Number and Title |  | Use of Message  |
|--------------------------|--|---|
| MPD 5                    | New Non Interval Metered Connection                      | To provisionally accept a registration request for a metered Non Interval Meter Point   |
| MPD 6                    | New Interval Metered Connection                          | To provisionally accept a registration request for a Interval Meter Point   |
| MPD 7                    | New Distribution Connected Non-Participant Generator 1.1 | To provisionally accept a new Distribution Connected Non-Participant Generator for import as part of the new connection process |
| MPD 7                    | New Distribution Connected Participant Generator 1.2     | To provisionally accept a new Distribution Connected Participant Generator for import as part of the new connection process     |
| MPD 28                   | New Technical MPRN v1.2                                  | To provisionally accept a registration request for a new Single Point Unmetered site as part of the new connection process      |

# Retail Market Message Guide – Meter Registration

## Data Hierarchy Diagram





Retail Market Message Guide – Meter Registration

**Message Structure and Interpretation**

| Segment and Field Level Identifier – 101P Message |     |                                       | Rpt | Optionality      | Description and Purpose   |
|---|-----|---------------------------------------|-----|------------------|---|
| 1 Message Header                                  |     |                                       | 1   | Mandatory        | See <i>Common Data Segments</i> for detailed notes on structure and population.   |
| 1 MPRN Level Information                          |     |                                       | 1   | Mandatory        |   |
| 2   | FLD | MPRN                                  | 1   | Mandatory        | The unique identifying reference number for the Meter Point for which the registration has been accepted  |
| 2   | FLD | Market Participant Business Reference | 1   | Mandatory        | A reference to the Market Participant Business Reference provided in the Message Header of the 010 message sent by the Supplier to MRSO. It enables the Supplier to uniquely identify the original message to which this is the response. |
| 2   | SEG | Meter Point Address                   | 1   | Mandatory        | The address at which the Meter Point is connected that is currently held by ESB DSO. See <i>Common Data Segments</i> for a description of individual data fields.   |
| 2   | FLD | Meter Point Status                    | 1   | Mandatory        | The current connection status of the Meter Point. This will take one of the following values: <ul style="list-style-type: none"> <li>• <b>A</b> – Meter Point is Assigned</li> <li>• <b>D</b> – Meter Point is De-Energised</li> </ul>    |
| 2   | FLD | Supplier ID                           | 1   | See Instructions | The Supplier to whom the Meter Point is requested to be registered. This will be provided for Full acceptance only.   |
| 2   | FLD | Supplier Unit ID                      | 1   | Mandatory        | The Supplier Unit to which the Meter Point is registered. Format  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 101P Message |     |                         | Rpt | Optionality | Description and Purpose   |
|---|-----|-------------------------|-----|-------------|---|
|   |     |                         |     |             | SU_nnnnnn   |
| 2   | FLD | SSAC                    | 1   | Mandatory   | The arrangement, requested by the Supplier, under which consumption usage will be aggregated for settlement.  |
| 2   | FLD | Settlement Class        | 1   | Mandatory   | A code that specifies how data is to be processed and aggregated for Settlement. This will take one of the following values: <ul style="list-style-type: none"> <li>• <b>N</b> – Synthetic profile to be used in settlement</li> <li>• <b>P</b> – Interval data (collected from Interval Meter) to be used in settlement</li> <li>• <b>U</b> – Meter point settled using unmetered profile</li> </ul> |
| 2   | FLD | Connection System       | 1   | Mandatory   | A code that indicates the network to which the Meter Point is connected. This will take one of the following values: <ul style="list-style-type: none"> <li>• <b>DSO_GRID</b> – The Distribution Network operated by ESB DSO</li> <li>• <b>TSO_GRID</b> – The Transmission Network operated by Eirgrid</li> </ul>   |
| 2   | FLD | DUoS Group              | 1   | Mandatory   | A code which denotes the current use of system tariff applied by ESB DSO to the Meter Point.  |
| 2   | FLD | Maximum Import Capacity | 1   | Mandatory   | The capacity in kVA currently agreed in the connection agreement and permitted to be imported at a meter point.   |
| 2   | FLD | Load Factor             | 1   | See         | A code that defines the current pattern of demand and so affects the load profile allocated to a Maximum Demand Meter Point. The code   |

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| Segment and Field Level Identifier – 101P Message |     |                                     | Rpt | Optionality     | Description and Purpose  |
|---|-----|-------------------------------------|-----|-----------------|--|
|   |     |                                     |     | Description     | will not be present for Interval or for non-Maximum Demand Meter Points.   |
| 2   | FLD | Meter Configuration Code            | 1   | See Description | A code that indicates the functionality delivered by the combination of registers that is currently installed at a metered Meter Point, provided where known at the time of provisional acceptance.  |
| 2   | FLD | DLF (Distribution Loss Factor) Code | 1   | Mandatory       | A code used to indicate the Distribution Loss Factor. The DLF code is either determined by the connection voltage or may be specific to a site.  |
| 2   | FLD | Transformer Loss Factor             | 1   | See Description | The factor that is currently applied to account for transformer losses when a meter point is metered at lower voltage than the connection voltage. The majority of sites are not metered in this way and therefore the Transformer Loss Factor will not normally be present. |
| 2   | FLD | Essential Plant                     | 1   | See Description | A flag will be set to :<br><b>1 i.e. a logical value of True – where ESN determine a site is Essential Plant</b><br><b>0 i.e. a logical value of False - where ESN determine a site is no longer Essential Plant</b>   |
| 2   | SEG | Customer Name                       | 1   | Mandatory       | The customer name advised by the Supplier.<br><br>See Common Data Segments for a description of individual data fields.  |
| 2   | FLD | Change of Tenant / Legal Entity     | 1   | Mandatory       | A flag that will be set to:<br><br><ul style="list-style-type: none"> <li><b>1 i.e. a logical value of True - if MRSO believes that the</b></li> </ul>   |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 101P Message |     |                           | Rpt | Optionality      | Description and Purpose  |
|---|-----|---------------------------|-----|------------------|--|
|   |     |                           |     |                  | <p>identity of the customer has changed</p> <ul style="list-style-type: none"> <li>• <b>0 i.e. a logical value of False</b> – if MRSO believes that the identity of the customer has not changed</li> </ul>  |
| 2   | SEG | Customer Contact Details  | 1   | See Description  | The set of details enabling the customer to be contacted. These are returned if and as advised by the Supplier. See Common Data Segments for a description of individual data fields.  |
| 2   | SEG | Notification Address      | 1   | See Description  | The address for correspondence with customers. These are returned if and as advised by the Supplier. See Common Data Segments for a description of individual data fields.   |
| 2   | FLD | Contact Name (Technical)  | 1   | See instructions | This is the contact name of a person available for contacting for Technical purposes relating to the Meter Point where this is different to the Customer Contact. This field must be provided where Technical contact name details are being added or changed for an MPRN. |
| 2   | SEG | Technical Contact Details | 1   | See instructions | This segment refers to the technical contact phone numbers for a technical representative. This segment must be populated where Suppliers are creating new technical contact details for an MPRN or where they are changing existing technical contact details.            |
|   | 3   | FLD                       | 1   | See instructions | This is the principal phone number of a Technical contact and must be populated by Supplier  |
|   |     | Phone number 1            |     |                  |  |
|   | 3   | FLD                       | 1   | Optional         | This is the principal phone number overflow field for storing number extensions where applicable   |
|   |     | Phone Ext1                |     |                  |  |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 101P Message |     |                                 | Rpt | Optionality      | Description and Purpose  |
|---|-----|---------------------------------|-----|------------------|--|
| 3   | FLD | Phone number 2                  | 1   | Optional         | This field can be used for the secondary phone number where this is required.  |
| 3   | FLD | Phone Ext2                      | 1   | Optional         | This is the secondary phone number overflow field for storing number extensions where applicable.  |
| 3   | FLD | Fax                             | 1   | Optional         | This field is intended to store a Fax telephone number where applicable  |
| 3   | FLD | Fax Ext                         | 1   | Optional         | This field is intended to store a Fax extension telephone number where applicable  |
| 3   | FLD | Email                           | 1   | Optional         | This field is intended to store email address details where applicable   |
| 2   | SEG | Street Type Address (Technical) | 1   | See instructions | Street type address provides details such as Street Name, House no etc. This segment is mandatory where a street type address is being provided or changed as part of Technical Contact details. |
| 3   | FLD | C/O Name                        | 1   | Optional         | This is the name to which correspondence can be addressed where this is different to the contact name.   |
| 3   | FLD | Unit No.                        | 1   | Optional         | This field can be used to populate information relating to the unit, flat or apartment number that can be part of an address   |
| 3   | FLD | Addr Line 1                     | 1   | Optional         | This field can be used as overflow for address details that apply before the street part of an address.  |
| 3   | FLD | Addr Line 2                     | 1   | Optional         | This field can be used as overflow for address details that apply before the street part of an address.  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 101P Message |     |                  | Rpt | Optionality | Description and Purpose   |
|---|-----|------------------|-----|-------------|---|
| 3   | FLD | House No.        | 1   | Optional    | This can be used to populate the number of a premises given as part of an address   |
| 3   | FLD | Street           | 1   | Mandatory   | This field stores information relating to the street part of an address and must be populated if the segment is provided.   |
| 3   | FLD | Addr Line 4      | 1   | Optional    | This field can be used as overflow for address details that apply after the street part of an address.  |
| 3   | FLD | Addr Line 5      | 1   | Optional    | This field can be used as overflow for address details that apply after the street part of an address.  |
| 3   | FLD | Postal code      | 1   | Optional    | <p>This is the Postal Code given as part of an address where appropriate. Ireland has implemented a Postal Code system called Eircode and where available it is recommended that these Postal Codes for Technical Contact Details are communicated in Market Messages.</p> <p>They should conform to the Eircode structure A65F4E2 (there is one allowable exception for the first three characters viz.D6W) where each Eircode is comprised of seven uppercase alpha/numeric characters.</p> |
| 3   | FLD | City             | 1   | Optional    | Used to populate the details of which City an address resides in where appropriate  |
| 3   | FLD | County - Ireland | 1   | See         | A field denoting the county in Ireland in which an address resides.   |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 101P Message |     |                             | Rpt | Optionality      | Description and Purpose  |
|---|-----|-----------------------------|-----|------------------|--|
|   |     |                             |     | instructions     | See the list of data codes for permissible values here. If the Technical (Street Type) Address is in Ireland this item must be populated.  |
| 3   | FLD | County / State              | 1   | Optional         | This denotes the county in which an address is situated. This is a free text 40 character field for use in non – Irish Addresses.  |
| 3   | FLD | Country                     | 1   | See instructions | A field that makes up part of an address denoting in which country the address resides. See the list of data codes for permissible values here.<br><br>This field must be populated where a Technical Contact Address is provided. |
| 2   | FLD | Maximum Export Capacity     | 1   | See Description  | The capacity in kVA currently agreed in the connection agreement and permitted to be exported at a meter point, provided only where a Generation Unit is being registered.   |
| 2   | FLD | Read Frequency              | 1   | See Description  | A code that indicates the frequency with which a meter reading is scheduled to be taken by ESB Data Collector. Provided for Non Interval Meter Points where known at the time of provisional acceptance.                           |
| 2   | FLD | Read Cycle Day              | 1   | See Description  | The day in a 41 day cycle that a meter is due to be read. Provided for Non Interval Meter Points where known at the time of provisional acceptance.  |
| 2   | FLD | DUoS Billing Frequency Code | 1   | See Instructions | DUoS billing schedule for an MPRN with Half Hourly Interval Meter: <b>B</b> - Bi-Monthly.  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 101P Message |     |  | Rpt  | Optionality      | Description and Purpose  |
|---|-----|--|------|------------------|--|
| 2   | FLD | DUOS Billing Cycle                                 | 1    | See Instructions | The day in a 41 day cycle that a meter is due to be billed. Provided for Half Hourly Meter Points only   |
| 2   | FLD | Load Profile                                       | 1    | See Description  | Load Profile is a code that determines, when coupled with Timeslot, the derived profile to be applied to the consumption for settlement. This will be provided for Non Interval sites only and where available / determined at the time of sending this message.   |
| 2   | FLD | Registration Receipt Date                          | 1    | Mandatory        | The date on which MRSO received the originating 010 Registration Request message.  |
| 2   | SEG | Provisional Acceptance Completion Requirements     | 1..N | See Instructions | This segment is provided where a completion requirement exists. An instance of this segment is provided for each Provisional Acceptance completion requirement notified.   |
| 3   | FLD | Provisional Acceptance Completion Requirement Code | 1    | See Instructions | The code advises the reason for provisional acceptance and takes the following possible values and more than one code may be present: <ul style="list-style-type: none"> <li>• <b>CAA</b> – Connection Agreement is awaited</li> <li>• <b>ENA</b> – Energisation is Awaited</li> <li>• <b>SDS</b> – Smart Data Services</li> </ul> |
| 2   | FLD | Comms Technically Feasible                         | 1    | Optional         | This flag indicates to a supplier the feasibility of the Communications to the Smart meter<br><br>Valid values are:  |



**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 101P Message |     |                                     | Rpt  | Optionality | Description and Purpose   |
|---|-----|-------------------------------------|------|-------------|---|
|   |     |                                     |      |             | <ul style="list-style-type: none"> <li>• 01</li> <li>• 02</li> <li>• 03</li> <li>• 04</li> </ul> <p>Sites with legacy meters and smart meters that are awaiting Comms technically feasible confirmation will not show this field</p>  |
| 2   | SEG | Smart Data Services                 | 0..1 | Optional    | This segment contains the Interval and Non Interval Smart Data Services applicable to a smart Meter   |
| 3   | FLD | Smart Data Services Code            | 1    | Mandatory   | <p>This field is populated where a Smart Data Service Code has been requested</p> <p>The valid codes are:</p> <p>01 - Interval Services</p> <p>02 - Non Interval Services</p>   |
| 3   | FLD | Meter Configuration Code (Required) | 1    | Mandatory   | The Meter Configuration Code (Required) is a code on a message to the supplier to indicate the functionality required by the Supplier to be delivered by the combination of registers physically installed at a meter point. It does not describe the technical attributes of the meter(s). |
| 2   | FLD | Smart Non Participation Code        | 1    | Optional    | Code to identify Smart Non Participation details as:  |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 101P Message |  |  | Rpt | Optionality | Description and Purpose  |
|---|--|--|-----|-------------|--|
|   |  |  |     |             | 02 Non Technical Non Participation<br>04 Smart Meter Exchange Deferred |

### 2.5.3 Message 101R: New Registration Rejection

#### Purpose and Description of Message

Message 101R is sent by MRSO to a Supplier to advise that a registration request has been rejected.

Message 101R is used in the following Market Processes:

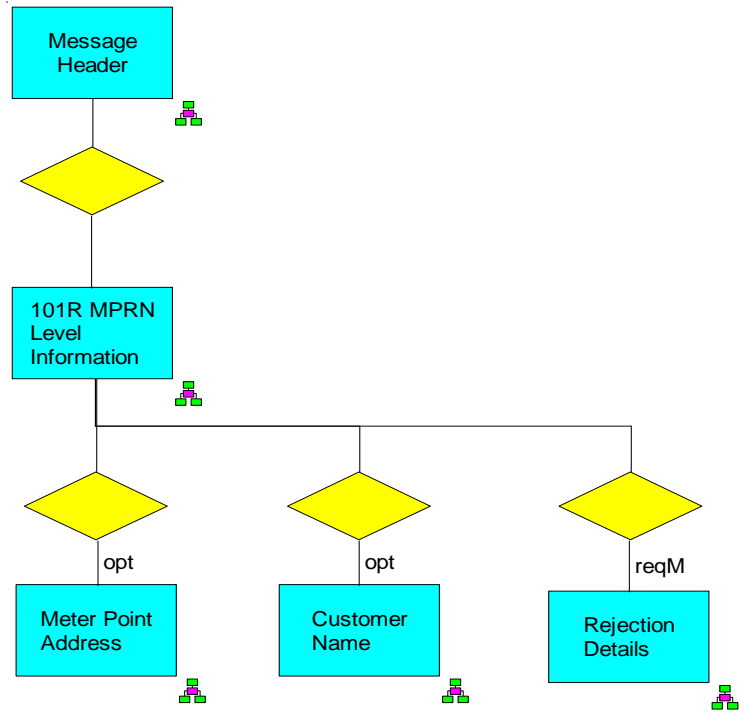
| Process Number and Title |  | Use of Message   |
|--------------------------|--|--|
| MPD 5                    | New Non Interval Metered Connection                      | To reject a registration request for a metered Non Interval Meter Point  |
| MPD 6                    | New Interval Metered Connection                          | To reject a registration request for a Interval Meter Point  |
| MPD 7                    | New Distribution Connected Non-Participant Generator 1.1 | To reject a registration request for a new Distribution Connected Non-Participant Generator for import as part of the new connection process |
| MPD 7                    | New Distribution Connected Participant Generator 1.2     | To reject a registration for a new Distribution Connected Participant Generator for import as part of the new connection process             |
| MPD 28                   | New Technical MPRN v1.2                                  | To reject a registration request for a new Single Point Unmetered site as part of the new connection process                                 |
| MPD 33                   | Change of Supplier - Single Point                        | To reject a registration request for a Single Point Unmetered site currently   |

**Retail Market Message Guide – Meter Registration**

|  |           |                                |
|--|-----------|--------------------------------|
|  | Unmetered | registered to another supplier |
|--|-----------|--------------------------------|

## Retail Market Message Guide – Meter Registration

### Data Hierarchy Diagram



Retail Market Message Guide – Meter Registration

**Message Structure and Interpretation**

| Segment and Field Level Identifier – 101R Message |     |                                       | Rpt | Optionality     | Description and Purpose   |
|---|-----|---------------------------------------|-----|-----------------|---|
| 1 Message Header                                  |     |                                       | 1   | Mandatory       | See <i>Common Data Segments</i> for detailed notes on structure and population.   |
| 1 MPRN Level Information                          |     |                                       | 1   | Mandatory       |   |
| 2   | FLD | MPRN                                  | 1   | Mandatory       | The unique identifying reference number for the Meter Point for which a Registration Request is rejected  |
| 2   | FLD | Market Participant Business Reference | 1   | Mandatory       | A reference to the Market Participant Business Reference provided in the Message Header of the 010 message sent by the Supplier. It enables the Supplier to uniquely identify the original message to which this is the response. |
| 2   | SEG | Meter Point Address                   | 1   | See Description | The address at which the Meter Point is connected that is currently held by ESB DSO. See <i>Common Data Segments</i> for a description of individual data fields.   |
| 2   | FLD | Supplier Unit ID                      | 1   | Mandatory       | The Supplier Unit ID as provided by the Supplier. Format SU_nnnnnn  |
| 2   | FLD | SSAC                                  | 1   | See Description | The SSAC as provided by the Supplier  |
| 2   | FLD | Supply Agreement Flag                 | 1   | See Description | The Supply Agreement Flag as provided by the Supplier<br><br>Valid values are:  |

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| Segment and Field Level Identifier – 101R Message |     |                           | Rpt           | Optionality     | Description and Purpose   |  |
|---|-----|---------------------------|---------------|-----------------|---|--|
|   |     |                           |               |                 | <ul style="list-style-type: none"> <li>• 1 i.e. a logical value of True</li> <li>• 0 i.e. a logical value of False</li> </ul>   |  |
| 2   | SEG | Customer Name             | 1             | See Description | <p>The Customer Name as provided by the Supplier.</p> <p>See Common Data Segments for a description of individual data fields.</p>  |  |
| 2   | FLD | Registration Receipt Date | 1             | Mandatory       | The date on which MRSO received the originating 010 Registration Request message.   |  |
| 2   | SEG | Rejection Details         | 1..N          | Mandatory       | <ul style="list-style-type: none"> <li>• An instance of this segment is provided for each rejection reason provided, except where the CustomerServiceDetailsCode 0010 Other is submitted on an 010, the message, in its entirety, will be rejected using the 101R with the Reject Reason Code IID or where the code Medical Institution code 0005 (under MESN) comes in a 010 message for a DG1 and DG2 reject the message in its entirety with the Reject Reason Code IA.</li> <li>• Where Smart Data Services are requested on a smart meter which is MCC02, the message will be rejected in its entirety with reject reason code 'IA'.</li> <li>•</li> </ul> |  |
|   | 3   | FLD                       | Reject Reason | 1               | Mandatory   | <p>A code to identify why data was rejected</p> <ul style="list-style-type: none"> <li>○ <b>AMM</b> – The Meter Point Address on the message does not match that held by DSO for the MPRN</li> </ul> |

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| Segment and Field Level Identifier – 101R Message |  |  | Rpt | Optionality | Description and Purpose   |
|---|--|--|-----|-------------|---|
|   |  |  |     |             | <ul style="list-style-type: none"> <li>○ <b>IGU</b> – The Generator Unit Id on the message does not match that held for the MPRN</li> <li>○ <b>IMP</b> – The MPRN does not exist or is for a Grouped Un-metered site (either at GMPRN or TMPRN level). Note that if either a New Connections and Change of Supplier operation is rejected because the MPRN is not valid in this jurisdiction, then the rejection issues by way of a 102R message and not the 101R message</li> <li>○ <b>IMS</b> – The MPRN status is not Assigned, Energised, De-energised.</li> <li>○ <b>NSA</b> – The Supplier has not warranted that a Supply Agreement exists</li> <li>○ <b>RP</b> – Another Supplier has submitted a registration for this MPRN</li> <li>○ <b>SNK</b> – The Supplier Id is not known</li> <li>○ <b>SSS</b> – SSAC is not allowed for use by the Supplier Unit or for the Settlement Class of the Meter Point</li> <li>○ <b>IA</b> – Where the code Medical Institution code 0005 (under MESN ) comes in a 010 message for a DG1 and DG2 reject the message in its entirety.</li> <li>● <b>IA - Where Smart Data Services are requested on a smart meter which is MCC02,</b></li> </ul> |



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| Segment and Field Level Identifier – 101R Message |  |  | Rpt | Optionality | Description and Purpose  |
|---|--|--|-----|-------------|--|
|   |  |  |     |             | <ul style="list-style-type: none"> <li>○ <b>IEA</b> – Invalid / incomplete EAI code</li> <li>○ <b>IID</b> - The Customer is a Person but the request did not include a Customer Last Name</li> <li>○ <b>IID</b> – The Customer is an Organisation but the request did not include a Customer Name Org_1</li> <li>○ <b>IID</b> – Customer Name details provided contained a mixture of Person and Organisation fields</li> <li>○ <b>IID</b> – A User rejected the request because data was invalid or incomplete</li> <li>○ <b>IID</b> - Where the CustomerServiceDetailsCode 0010 Other is submitted on an 010.</li> <li>○ <b>DIJ</b> - data invalid for jurisdiction (valid until market schema is changed)</li> <li>○ <b>SCI</b> – Smart Configuration Invalid where Smart Data Services exist but have not been requested</li> <li>○ <b>IMF</b>- Invalid Meter configuration Code</li> <li>○ <b>SNP</b> – Smart Non Participation details invalid</li> <li>○ <b>NSM</b> – No Smart Meter present where Smart Data Services</li> </ul> |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 101R Message |  |  | Rpt | Optionality | Description and Purpose   |
|---|--|--|-----|-------------|---|
|   |  |  |     |             | <p>have been requested</p> <ul style="list-style-type: none"> <li>○ <b>ISR</b> – Inconsistent Service Request</li> <li>○ <b>EMA</b>- Email Address Invalid</li> </ul> |

## Retail Market Message Guide – Meter Registration

### 2.5.4 Message 102: Change of Supplier Registration Acceptance

#### Purpose and Description of Message

Message 102 is sent by MRSO to a New Supplier to advise that their registration request has been accepted. The message does not indicate that the Change of Supplier has taken place; this is indicated by message 105 and typically requires other triggers such as the required date to be reached or readings to be obtained.

Message 102 contains information that is provided by the Supplier to MRSO plus other information about the Meter Point that a Supplier will typically need to know.

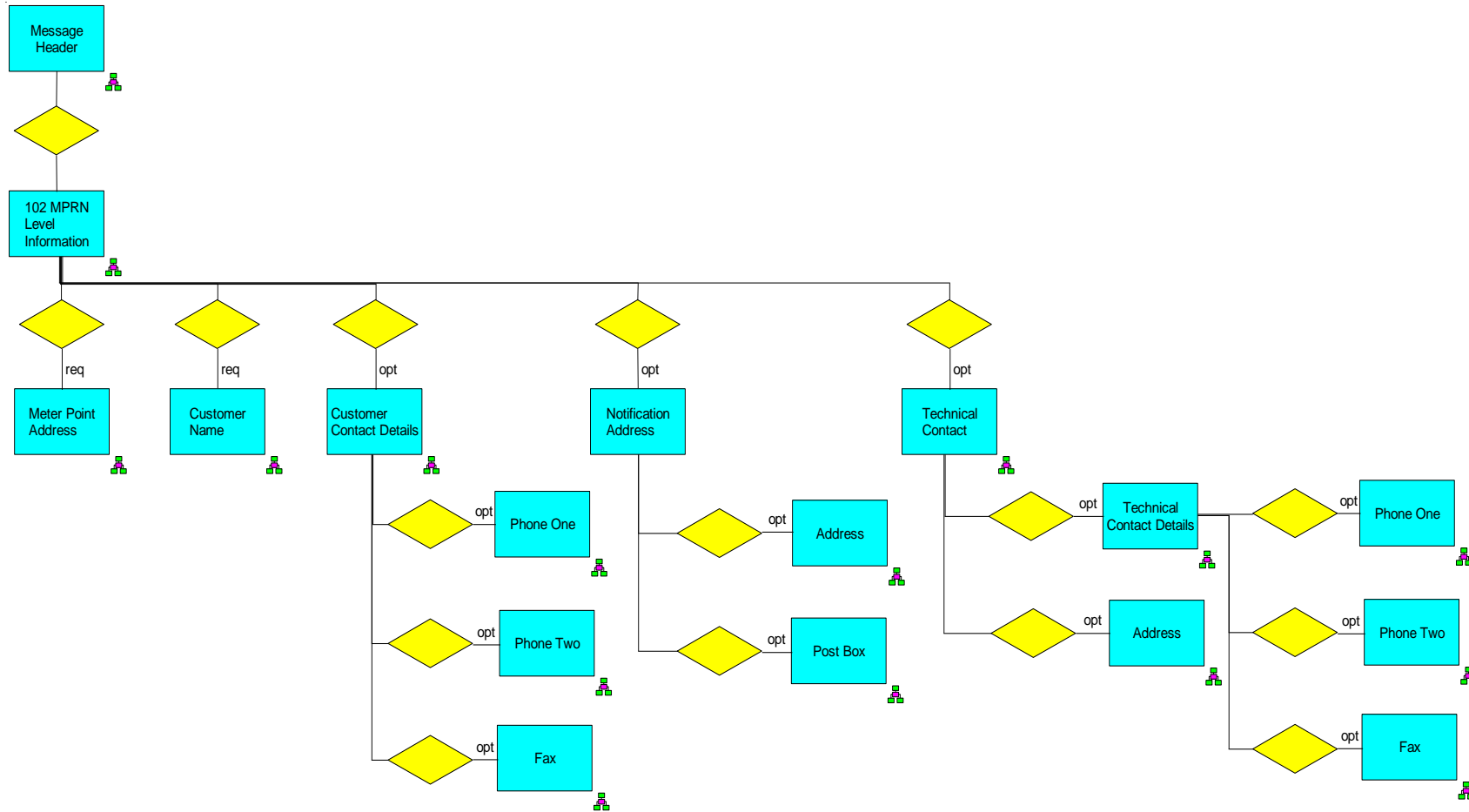
Message 102 is used in the following Market Processes:

| Process Number and Title |   | Use of Message  |
|--------------------------|---|---|
| MPD 1                    | Change of Supplier –Non Interval Metered    | To accept a registration of a metered Non Interval Meter Point currently registered to another Supplier |
| MPD 2                    | Change of Supplier –Interval Metered        | To accept a registration of an Interval Meter Point currently registered to another Supplier            |
| MPD 33                   | Change of Supplier - Single Point Unmetered | To accept a registration for a Single Point Unmetered site currently registered to another supplier     |

If message 102P has been previously sent, message 102 provides a complete refresh of data, including data previously sent using message 102P.

# Retail Market Message Guide – Meter Registration

## Data Hierarchy Diagram



## Retail Market Message Guide – Meter Registration

### Message Structure and Interpretation

| Segment and Field Level Identifier – 102 Message |     |                                       | Rpt | Optionality | Description and Purpose   |
|--|-----|---------------------------------------|-----|-------------|---|
| 1 Message Header                                 |     |                                       | 1   | Mandatory   | See Common Data Segments for detailed notes on structure and population.  |
| 1 MPRN Level Information                         |     |                                       | 1   | Mandatory   |   |
| 2  | FLD | MPRN                                  | 1   | Mandatory   | The unique identifying reference number for the Meter Point for which the registration has been accepted  |
| 2  | FLD | Market Participant Business Reference | 1   | Mandatory   | A reference to the Market Participant Business Reference provided in the Message Header of the 010 message sent by the Supplier to MRSO. It enables the Supplier to uniquely identify the original message to which this is the response. |
| 2  | SEG | Meter Point Address                   | 1   | Mandatory   | The address at which the Meter Point is connected that is currently held by ESB DSO. See Common Data Segments for a description of individual data fields.  |
| 2  | FLD | Meter Point Status                    | 1   | Mandatory   | The current connection status of the Meter Point. This will take the following values: <ul style="list-style-type: none"> <li>• E – Meter Point is Energised</li> </ul>   |
| 2  | FLD | Supplier Unit ID                      | 1   | Mandatory   | The Supplier Unit ID as provided by the Supplier to which the meter point will be registered. Format SU_nnnnnn  |
| 2  | FLD | SSAC                                  | 1   | Mandatory   | The arrangement, requested by the Supplier, under which   |

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## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102 Message |     |                         | Rpt | Optionality     | Description and Purpose  |
|--|-----|-------------------------|-----|-----------------|--|
|  |     |                         |     |                 | consumption usage will be aggregated for settlement.   |
| 2  | FLD | Settlement Class        | 1   | Mandatory       | <p>A code that specifies how data is to be processed and aggregated for Settlement. This will take one of the following values:</p> <ul style="list-style-type: none"> <li>• <b>N</b> – Synthetic profile to be used in settlement</li> <li>• <b>P</b> – Interval data (collected from Interval Meter) to be used in settlement</li> <li>• <b>U</b> – Meter point settled using unmetered profile</li> </ul> |
| 2  | FLD | Connection System       | 1   | Mandatory       | <p>A code that indicates the network to which the Meter Point is connected. This will take one of the following values:</p> <ul style="list-style-type: none"> <li>• <b>DSO_GRID</b> – The Distribution Network operated by ESB DSO</li> <li>• <b>TSO_GRID</b> – The Transmission Network operated by Eirgrid</li> </ul>   |
| 2  | FLD | DUoS Group              | 1   | Mandatory       | A code which denotes the current use of system tariff applied by ESB DSO to the Meter Point.   |
| 2  | FLD | Maximum Import Capacity | 1   | Mandatory       | The capacity in kVA currently agreed in the connection agreement and permitted to be imported at a meter point.  |
| 2  | FLD | Load Profile            | 1   | See Description | A code denoting the current value of the standard load profile that determines, when coupled with Timeslot, the <u>derived</u> profile that is applied to consumption usage for settlement purposes.   |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102 Message |     |                                     | Rpt | Optionality     | Description and Purpose  |
|--|-----|-------------------------------------|-----|-----------------|--|
|  |     |                                     |     |                 | <i>Refer to the Data Codes published by MRSO for a complete list of codes.</i>   |
| 2  | FLD | Load Factor                         | 1   | See Description | A code that defines the current pattern of demand and so affects the load profile allocated to a Maximum Demand Meter Point. The code will not be present for Interval or for non-Maximum Demand Meter Points.   |
| 2  | FLD | Meter Configuration Code            | 1   | See Description | A code that indicates the functionality delivered by the combination of registers that is currently installed at a metered Meter Point.  |
| 2  | FLD | DLF (Distribution Loss Factor) Code | 1   | Mandatory       | A code used to indicate the Distribution Loss Factor. The DLF code is either determined by the connection voltage or may be specific to a site.  |
| 2  | FLD | Transformer Loss Factor             | 1   | See Description | The factor that is currently applied to account for transformer losses when a meter point is metered at lower voltage than the connection voltage. The majority of sites are not metered in this way and therefore the Transformer Loss Factor will not normally be present. |
| 2  | FLD | Essential Plant                     | 1   | See Description | A flag will be set to:<br><b>1 i.e. a logical value of True – where ESN determine a site is Essential Plant</b><br><b>0 i.e. a logical value of False - where ESN determine a site is no longer Essential Plant</b>  |
| 2  | SEG | Customer Name                       | 1   | Mandatory       | The customer name advised by the Supplier.   |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102 Message |     |                                 | Rpt | Optionality      | Description and Purpose  |
|--|-----|---------------------------------|-----|------------------|--|
|  |     |                                 |     |                  | See Common Data Segments for a description of individual data fields.  |
| 2  | FLD | Change of Tenant / Legal Entity | 1   | Mandatory        | <p>A flag that will be set to:</p> <ul style="list-style-type: none"> <li>• <b>1 i.e. a logical value of True</b> - if MRSO believes that the identity of the customer has changed</li> <li>• <b>0 i.e. a logical value of False</b> – if MRSO believes that the identity of the customer has not changed</li> </ul> |
| 2  | SEG | Customer Contact Details        | 1   | See Description  | The set of details enabling the customer to be contacted. These are returned if and as advised by the Supplier. See Common Data Segments for a description of individual data fields.  |
| 2  | SEG | Notification Address            | 1   | See Description  | The address for correspondence with customers. These are returned if and as advised by the Supplier. See Common Data Segments for a description of individual data fields.   |
| 2  | FLD | Contact Name (Technical)        | 1   | See instructions | This is the contact name of a person available for contacting for Technical purposes relating to the Meter Point where this is different to the Customer Contact. This field must be provided where Technical contact name details are being added or changed for an MPRN.   |
| 2  | SEG | Technical Contact Details       | 1   | See instructions | This segment refers to the technical contact phone numbers for a technical representative. This segment must be populated where Suppliers are creating new technical contact details for an MPRN or where they are changing existing technical contact details.  |



## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102 Message |     |                                 | Rpt | Optionality      | Description and Purpose  |
|--|-----|---------------------------------|-----|------------------|--|
| 3  | FLD | Phone number 1                  | 1   | See instructions | This is the principal phone number of a Technical contact and must be populated by Supplier  |
| 3  | FLD | Phone Ext1                      | 1   | Optional         | This is the principal phone number overflow field for storing number extensions where applicable   |
| 3  | FLD | Phone number 2                  | 1   | Optional         | This field can be used for the secondary phone number where this is required.  |
| 3  | FLD | Phone Ext2                      | 1   | Optional         | This is the secondary phone number overflow field for storing number extensions where applicable.  |
| 3  | FLD | Fax                             | 1   | Optional         | This field is intended to store a Fax telephone number where applicable  |
| 3  | FLD | Fax Ext                         | 1   | Optional         | This field is intended to store a Fax extension telephone number where applicable  |
| 3  | FLD | Email                           | 1   | Optional         | This field is intended to store email address details where applicable   |
| 2  | SEG | Street Type Address (Technical) | 1   | See instructions | Street type address provides details such as Street Name, House no etc. This segment is mandatory where a street type address is being provided or changed as part of Technical Contact details. |
| 3  | FLD | C/O Name                        | 1   | Optional         | This is the name to which correspondence can be addressed where this is different to the contact name.   |
| 3  | FLD | Unit No.                        | 1   | Optional         | This field can be used to populate information relating to the unit, flat or apartment number that can be part of an address   |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102 Message |     |             | Rpt | Optionality | Description and Purpose   |
|--|-----|-------------|-----|-------------|---|
| 3  | FLD | Addr Line 1 | 1   | Optional    | This field can be used as overflow for address details that apply before the street part of an address.   |
| 3  | FLD | Addr Line 2 | 1   | Optional    | This field can be used as overflow for address details that apply before the street part of an address.   |
| 3  | FLD | House No.   | 1   | Optional    | This can be used to populate the number of a premises given as part of an address   |
| 3  | FLD | Street      | 1   | Mandatory   | This field stores information relating to the street part of an address and must be populated if the segment is provided.   |
| 3  | FLD | Addr Line 4 | 1   | Optional    | This field can be used as overflow for address details that apply after the street part of an address.  |
| 3  | FLD | Addr Line 5 | 1   | Optional    | This field can be used as overflow for address details that apply after the street part of an address.  |
| 3  | FLD | Postal code | 1   | Optional    | <p>This is the Postal Code given as part of an address where appropriate. Ireland has implemented a Postal Code system called Eircode and where available it is recommended that these Postal Codes for Technical Contact Details are communicated in Market Messages.</p> <p>They should conform to the Eircode structure A65F4E2 (there is one allowable exception for the first three characters viz.D6W) where each Eircode is comprised of seven uppercase alpha/numeric characters.</p> |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102 Message |     |                         | Rpt | Optionality      | Description and Purpose  |
|--|-----|-------------------------|-----|------------------|--|
|  |     |                         |     |                  |  |
| 3  | FLD | City                    | 1   | Optional         | Used to populate the details of which City an address resides in where appropriate   |
| 3  | FLD | County - Ireland        | 1   | See instructions | A field denoting the county in Ireland in which an address resides. See the list of data codes for permissible values here. If the Technical (Street Type) Address is in Ireland this item must be populated.                      |
| 3  | FLD | County / State          | 1   | Optional         | This denotes the county in which an address is situated. This is a free text 40 character field for use in non – Irish Addresses.  |
| 3  | FLD | Country                 | 1   | See instructions | A field that makes up part of an address denoting in which country the address resides. See the list of data codes for permissible values here.<br><br>This field must be populated where a Technical Contact Address is provided. |
| 2  | FLD | Maximum Export Capacity | 1   | See instructions | The capacity in kVA currently agreed in the connection agreement and permitted to be exported at a meter point, provided only where a Generation Unit is being registered.   |
| 2  | FLD | Read Frequency          | 1   | See instructions | A code that indicates the frequency with which a meter reading is scheduled to be taken by ESB Data Collector. Provided for Non Interval Meter Points only.  |
| 2  | FLD | Read Cycle Day          | 1   | See instructions | The day in a 41 day cycle that a meter is due to be read. Provided for Non Interval Meter Points only.   |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102 Message |     |   | Rpt | Optionality      | Description and Purpose   |
|--|-----|---|-----|------------------|---|
| 2  | FLD | DUoS Billing Frequency Code             | 1   | See Instructions | DUoS billing schedule for an MPRN with Half Hourly Interval Meter: <b>B</b> - Bi-Monthly.   |
| 2  | FLD | DUOS Billing Cycle                      | 1   | See Instructions | The day in a 41 day cycle that a meter is due to be billed. Provided for Half Hourly Meter Points only  |
| 2  | FLD | Last Actual Read Date                   | 1   | See instructions | The date on which a plausible read was last obtained for a Meter Point. Provided for Non Interval Meter Points only.  |
| 2  | FLD | Change of Supplier Read Arrangement     | 1   | See instructions | A code that indicates the type of read to be used at a Change of Supplier for a Non Interval metered customer. The value originally provided by the Supplier may be modified by MRSO. Provided for Non Interval Meter Points only.  |
| 2  | FLD | Change of Supplier Estimate Acceptable  | 1   | See instructions | A Boolean message flag to indicate if an estimate will be used in the case of failure to obtain an actual or customer read for a Non Interval metered customer. The value originally provided by the Supplier may be modified by MRSO. Provided for Non Interval Meter Points only.<br><br>Valid values are:<br><br><ul style="list-style-type: none"> <li>• 1 i.e. a logical value of True</li> <li>• 0 i.e. a logical value of False</li> </ul> |
| 2  | FLD | Meter Configuration Code (Registration) | 1   | See instructions | The code requested by the Supplier to obtain a change to the functionality delivered by the metering installed at a Meter Point.  |
| 2  | FLD | Read Reason                             | 1   | See              | A code that is provided only if a Special Read has been required to   |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102 Message |     |                           | Rpt  | Optionality      | Description and Purpose  |
|--|-----|---------------------------|------|------------------|--|
|  |     |                           |      | instructions     | <p>indicate that the Special Read is chargeable. If so, the value is set to:</p> <ul style="list-style-type: none"> <li>• <b>02</b> – denoting a chargeable Special Read</li> </ul>  |
| 2  | FLD | Required Date             | 1    | See instructions | The date requested by the Supplier for the Change of Supplier.   |
| 2  | FLD | Registration Receipt Date | 1    | Mandatory        | The date on which MRSO received the originating 010 Registration Request message.  |
| 2  | FLD | VC Attribute Deleted      | 1    | Mandatory        | <p>This flag alerts a supplier that vulnerable customer attributes are being deleted.</p> <p>Valid values are:</p> <ul style="list-style-type: none"> <li>• <b>1 i.e. a logical value of True</b></li> <li>• <b>0 i.e. a logical value of False</b></li> </ul> |
| 2  | SEG | Smart Data Services       | 0..1 | Optional         | This segment contains the Interval and Non Interval Smart Data Services applicable to a smart Meter  |
| 3  | FLD | Smart Data Services Code  | 1    | Mandatory        | <p>This field is populated where a Smart Data Service Code has been requested</p> <p>The valid codes are:</p> <p>01 - Interval Services</p>  |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 102 Message |     |                                     | Rpt | Optionality | Description and Purpose   |
|--|-----|-------------------------------------|-----|-------------|---|
|  |     |                                     |     |             | 02 - Non Interval Services  |
| 3  | FLD | Meter Configuration Code (Required) | 1   | Mandatory   | The Meter Configuration Code (Required) is a code on a message to the supplier to indicate the functionality required by the Supplier to be delivered by the combination of registers physically installed at a meter point. It does not describe the technical attributes of the meter(s).   |
| 2  | FLD | Comms TechnicallyFeasible           | 1   | Optional    | <p>This flag indicates to a supplier the feasibility of the Communications to the Smart meter</p> <p>Valid values are:</p> <ul style="list-style-type: none"> <li>• 01</li> <li>• 02</li> <li>• 03</li> <li>• 04</li> </ul> <p>Sites with legacy meters and smart meters that are awaiting Comms technically feasible confirmation will not show this field</p> |
| 2  | FLD | Smart Non Participation Code        | 1   | Optional    | <p>Code to identify Smart Non Participation details as</p> <p>02 Non Technical Non Participation</p> <p>03 Multiple Visits No Access</p> <p>04 Smart Meter Exchange Deferred</p>  |

## Retail Market Message Guide – Meter Registration

### 2.5.5 Message 102P: Change of Supplier Registration Provisional Acceptance

#### Purpose and Description of Message

Message 102P is sent by MRSO to a New Supplier to advise that their registration request has been provisionally accepted, i.e. that there are some pre-conditions that must be met before a final acceptance can be sent.

The message does not indicate that the Change of Supplier has taken place; this is indicated by message 105 and typically requires other triggers such as the required date to be reached or readings to be obtained.

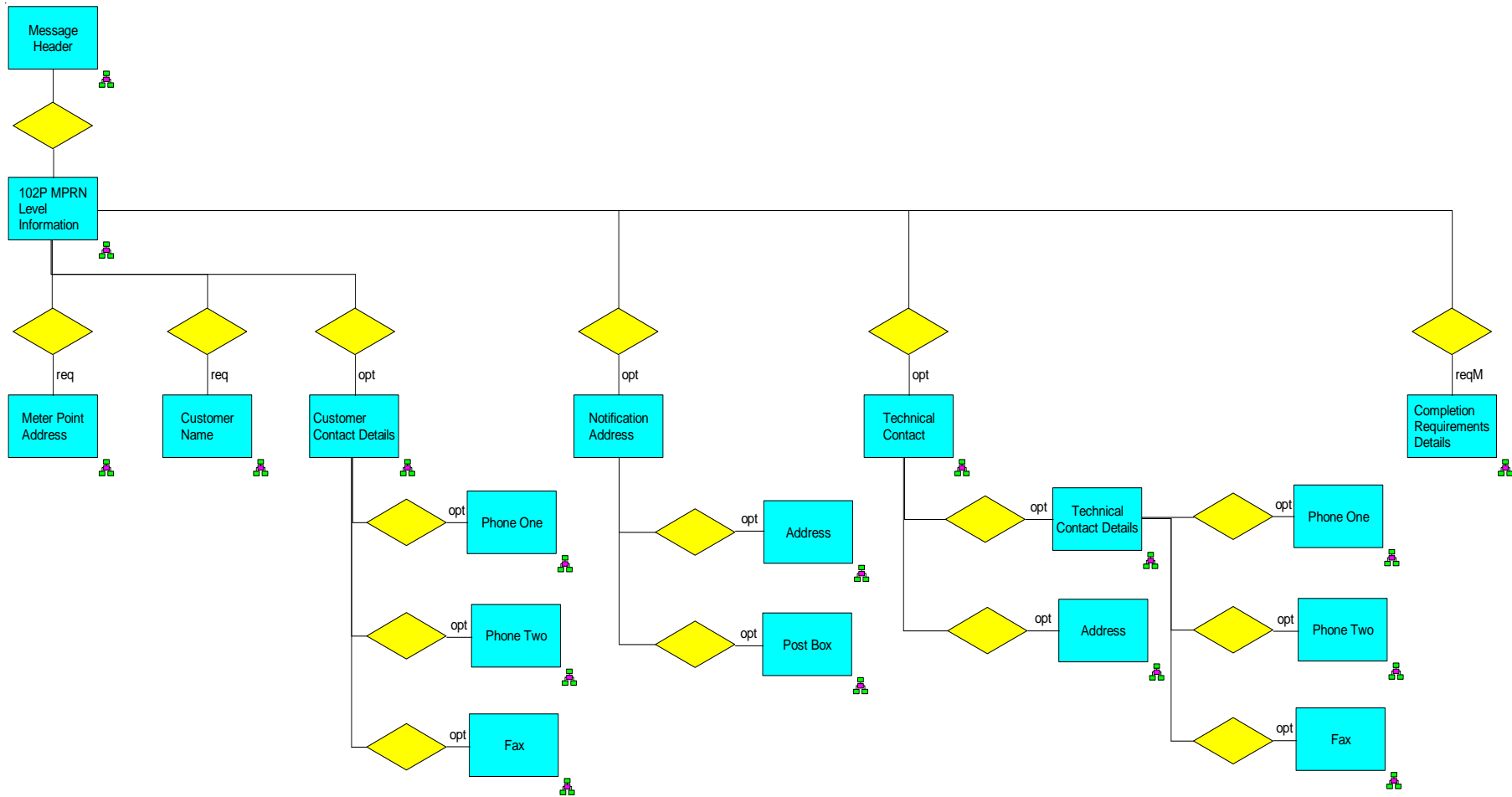
Message 102P contains information that is provided by the Supplier to MRSO plus other information about the Meter Point that a Supplier will typically need to know.

Message 102P is used in the following Market Processes:

| Process Number and Title |   | Use of Message  |
|--------------------------|---|---|
| MPD 1                    | Change of Supplier –Non Interval Metered    | To provisionally accept a registration of a metered Non Interval Meter Point currently registered to another Supplier |
| MPD 2                    | Change of Supplier –Interval Metered        | To provisionally accept a registration of a Interval Meter Point currently registered to another Supplier             |
| MPD 33                   | Change of Supplier - Single Point Unmetered | To provisionally accept a registration of a Single Point Unmetered site currently registered to another supplier      |

# Retail Market Message Guide – Meter Registration

## Data Hierarchy Diagram





## Retail Market Message Guide – Meter Registration

### Message Structure and Interpretation

| Segment and Field Level Identifier – 102P Message |     |                                       | Rpt | Optionality | Description and Purpose   |
|---|-----|---------------------------------------|-----|-------------|---|
| 1 Message Header                                  |     |                                       | 1   | Mandatory   | See <i>Common Data Segments</i> for detailed notes on structure and population.   |
| 1 MPRN Level Information                          |     |                                       | 1   | Mandatory   |   |
| 2   | FLD | MPRN                                  | 1   | Mandatory   | The unique identifying reference number for the Meter Point for which the registration has been accepted  |
| 2   | FLD | Market Participant Business Reference | 1   | Mandatory   | A reference to the Market Participant Business Reference provided in the Message Header of the 010 message sent by the Supplier to MRSO. It enables the Supplier to uniquely identify the original message to which this is the response. |
| 2   | SEG | Meter Point Address                   | 1   | Mandatory   | The address at which the Meter Point is connected that is currently held by ESB DSO. See <i>Common Data Segments</i> for a description of individual data fields.   |
| 2   | FLD | Meter Point Status                    | 1   | Mandatory   | The current connection status of the Meter Point. This will take one of the following values: <ul style="list-style-type: none"> <li>• <b>D</b> – Meter Point is De-Energised</li> <li>• <b>E</b> – Meter Point is Energised</li> </ul>   |
| 2   | FLD | Supplier Unit ID                      | 1   | Mandatory   | The Supplier Unit ID provided by the Supplier.Format SU_nnnnnn  |
| 2   | FLD | SSAC                                  | 1   | Mandatory   | The arrangement, requested by the Supplier, under which consumption usage will be aggregated for settlement.  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102P Message |     |                          | Rpt | Optionality     | Description and Purpose  |
|---|-----|--------------------------|-----|-----------------|--|
| 2   | FLD | Settlement Class         | 1   | Mandatory       | <p>A code that specifies how data is to be processed and aggregated for Settlement. This will take one of the following values:</p> <ul style="list-style-type: none"> <li>• <b>N</b> – Synthetic profile to be used in settlement</li> <li>• <b>P</b> – Interval data (collected from Interval Meter) to be used in settlement</li> <li>• <b>U</b> – Meter point settled using unmetered profile</li> </ul> |
| 2   | FLD | Connection System (Code) | 1   | Mandatory       | <p>A code that indicates the network to which the Meter Point is connected. This will take one of the following values:</p> <ul style="list-style-type: none"> <li>• <b>DSO_GRID</b> – The Distribution Network operated by ESB DSO</li> <li>• <b>TSO_GRID</b> – The Transmission Network operated by Eirgrid</li> </ul>   |
| 2   | FLD | DUoS Group               | 1   | Mandatory       | <p>A code which denotes the current use of system tariff applied by ESB DSO to the Meter Point.</p>  |
| 2   | FLD | Maximum Import Capacity  | 1   | Mandatory       | <p>The capacity in kVA currently agreed in the connection agreement and permitted to be imported at a meter point.</p>   |
| 2   | FLD | Load Profile             | 1   | See Description | <p>A code denoting the current value of the standard load profile that determines, when coupled with Timeslot, the <u>derived</u> profile that is applied to consumption usage for settlement purposes.</p> <p><i>Refer to the Data Codes published by MRSO for a complete list of codes.</i></p>  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102P Message |     |   | Rpt | Optionality      | Description and Purpose  |
|---|-----|---|-----|------------------|--|
| 2   | FLD | Load Factor                             | 1   | See Description  | A code that defines the current pattern of demand and so affects the load profile allocated to a Maximum Demand Meter Point. The code will not be present for Interval or for non-Maximum Demand Meter Points.   |
| 2   | FLD | Meter Configuration Code (Registration) | 1   | See Description  | The code requested by the Supplier to obtain a change to the functionality by the metering installed at a Meter Point.   |
| 2   | FLD | DLF (Distribution Loss Factor) Code     | 1   | Mandatory        | A code used to indicate the Distribution Loss Factor. The DLF code is either determined by the connection voltage or may be specific to a site.  |
| 2   | FLD | Transformer Loss Factor                 | 1   | See instructions | The factor that is currently applied to account for transformer losses when a meter point is metered at lower voltage than the connection voltage. The majority of sites are not metered in this way and therefore the Transformer Loss Factor will not normally be present. |
| 2   | FLD | Essential Plant                         | 1   | See Description  | A flag will be set to :<br><b>1 i.e. a logical value of True – where ESN determine a site is Essential Plant</b><br><b>0 i.e. a logical value of False - where ESN determine a site is no longer Essential Plant</b>   |
| 2   | SEG | Customer Name                           | 1   | Mandatory        | The customer name advised by the Supplier.<br><br>See Common Data Segments for a description of individual data fields.  |
| 2   | FLD | Change of Tenant / Legal Entity         | 1   | Mandatory        | A Boolean flag that will be set to:  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102P Message |     |                           | Rpt | Optionality      | Description and Purpose   |
|---|-----|---------------------------|-----|------------------|---|
|   |     |                           |     |                  | <ul style="list-style-type: none"> <li>• <b>1 i.e. a logical value of True</b> - if MRSO believes that the identity of the customer has changed</li> <li>• <b>0 i.e. a logical value of False</b> – if MRSO believes that the identity of the customer has not changed</li> </ul> |
| 2   | SEG | Customer Contact Details  | 1   | See instructions | The set of details enabling the customer to be contacted. These are returned if and as advised by the Supplier. See Common Data Segments for a description of individual data fields.   |
| 2   | SEG | Notification Address      | 1   | See instructions | The address for correspondence with customers. These are returned if and as advised by the Supplier. See Common Data Segments for a description of individual data fields.  |
| 2   | FLD | Contact Name (Technical)  | 1   | See instructions | This is the contact name of a person available for contacting for Technical purposes relating to the Meter Point where this is different to the Customer Contact. This field must be provided where Technical contact name details are being added or changed for an MPRN.        |
| 2   | SEG | Technical Contact Details | 1   | See instructions | This segment refers to the technical contact phone numbers for a technical representative. This segment must be populated where Suppliers are creating new technical contact details for an MPRN or where they are changing existing technical contact details.                   |
| 3   | FLD | Phone number 1            | 1   | See instructions | This is the principal phone number of a Technical contact.  |
| 3   | FLD | Phone Ext1                | 1   | See instructions | This is the principal phone number overflow field for storing number extensions where applicable  |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 102P Message |     |                                 | Rpt | Optionality      | Description and Purpose  |
|---|-----|---------------------------------|-----|------------------|--|
| 3   | FLD | Phone number 2                  | 1   | Optional         | This field can be used for the secondary phone number where this is required.  |
| 3   | FLD | Phone Ext2                      | 1   | Optional         | This is the secondary phone number overflow field for storing number extensions where applicable.  |
| 3   | FLD | Fax                             | 1   | Optional         | This field is intended to store a Fax telephone number where applicable  |
| 3   | FLD | Fax Ext                         | 1   | Optional         | This field is intended to store a Fax extension telephone number where applicable  |
| 3   | FLD | Email                           | 1   | Optional         | This field is intended to store an Email address where applicable  |
| 2   | SEG | Street Type Address (Technical) | 1   | See instructions | Street type address provides details such as Street Name, House no etc. This segment is mandatory where a street type address is being provided or changed as part of Technical Contact details. |
| 3   | FLD | C/O Name                        | 1   | Optional         | This is the name to which correspondence can be addressed where this is different to the contact name.   |
| 3   | FLD | Unit No.                        | 1   | Optional         | This field can be used to populate information relating to the unit, flat or apartment number that can be part of an address   |
| 3   | FLD | Addr Line 1                     | 1   | Optional         | This field can be used as overflow for address details that apply before the street part of an address.  |
| 3   | FLD | Addr Line 2                     | 1   | Optional         | This field can be used as overflow for address details that apply  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102P Message |     |             | Rpt | Optionality | Description and Purpose   |
|---|-----|-------------|-----|-------------|---|
|   |     |             |     |             | before the street part of an address.   |
| 3   | FLD | House No.   | 1   | Optional    | This can be used to populate the number of a premises given as part of an address   |
| 3   | FLD | Street      | 1   | Mandatory   | This field stores information relating to the street part of an address and must be populated if the segment is provided.   |
| 3   | FLD | Addr Line 4 | 1   | Optional    | This field can be used as overflow for address details that apply after the street part of an address.  |
| 3   | FLD | Addr Line 5 | 1   | Optional    | This field can be used as overflow for address details that apply after the street part of an address.  |
| 3   | FLD | Postal code | 1   | Optional    | <p>This is the Postal Code given as part of an address where appropriate. Ireland has implemented a Postal Code system called Eircode and where available it is recommended that these Postal Codes for Technical Contact Details are communicated in Market Messages.</p> <p>They should conform to the Eircode structure A65F4E2 (there is one allowable exception for the first three characters viz.D6W) where each Eircode is comprised of seven uppercase alpha/numeric characters.</p> |
| 3   | FLD | City        | 1   | Optional    | Used to populate the details of which City an address resides in  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102P Message |     |                             | Rpt | Optionality      | Description and Purpose  |
|---|-----|-----------------------------|-----|------------------|--|
|   |     |                             |     |                  | where appropriate  |
| 3   | FLD | County - Ireland            | 1   | See instructions | A field denoting the county in Ireland in which an address resides. See the list of data codes for permissible values here. If the Technical (Street Type) Address is in Ireland this item must be populated.                      |
| 3   | FLD | County / State              | 1   | Optional         | This denotes the county in which an address is situated. This is a free text 40 character field for use in non – Irish Addresses.  |
| 3   | FLD | Country                     | 1   | See instructions | A field that makes up part of an address denoting in which country the address resides. See the list of data codes for permissible values here.<br><br>This field must be populated where a Technical Contact Address is provided. |
| 2   | FLD | Maximum Export Capacity     | 1   | See instructions | The capacity in kVA currently agreed in the connection agreement and permitted to be exported at a meter point, provided only where a Generation Unit is being registered.   |
| 2   | FLD | Read Frequency              | 1   | See instructions | A code that indicates the frequency with which a meter reading is scheduled to be taken by ESB Data Collector. Provided for Non Interval Meter Points only.  |
| 2   | FLD | Read Cycle Day              | 1   | See instructions | The day in a 41 day cycle that a meter is due to be read. Provided for Non Interval Meter Points only.   |
| 2   | FLD | DUoS Billing Frequency Code | 1   | See Instructions | DUoS billing schedule for an MPRN with Half Hourly Interval Meter:<br><b>B</b> - Bi-Monthly.   |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102P Message |     |  | Rpt | Optionality      | Description and Purpose  |
|---|-----|--|-----|------------------|--|
| 2   | FLD | DUOS Billing Cycle                     | 1   | See Instructions | The day in a 41 day cycle that a meter is due to be billed. Provided for Half Hourly Meter Points only   |
| 2   | FLD | Last Actual Read Date                  | 1   | See instructions | The date on which a plausible read was last obtained for a Meter Point. Provided for Non Interval Meter Points only.   |
| 2   | FLD | Change of Supplier Read Arrangement    | 1   | See instructions | A code that indicates the type of read to be used at a Change of Supplier for a Non Interval metered customer. The value originally provided by the Supplier may be modified by MRSO. Provided for Non Interval Meter Points only.   |
| 2   | FLD | Change of Supplier Estimate Acceptable | 1   | See instructions | <p>A Boolean message flag used to indicate if an estimate will be used in the case of failure to obtain an actual or customer read for a Non Interval metered customer. The value originally provided by the Supplier may be modified by MRSO. Provided for Non Interval Meter Points only.</p> <p>Valid values are:</p> <ul style="list-style-type: none"> <li>• <b>1 i.e. a logical value of True</b></li> <li>• <b>0 i.e. a logical value of False</b></li> </ul> |
| 2   | FLD | Meter Configuration Code (Required)    | 1   | See instructions | The code requested by the Supplier to obtain a change to the functionality delivered by the metering installed at a Meter Point.   |
| 2   | FLD | Read Reason                            | 1   | See instructions | A code that is provided only if a Special Read has been required to indicate that the Special Read is chargeable. If so, the value is set to:  |



## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102P Message |     |  | Rpt  | Optionality      | Description and Purpose  |
|---|-----|--|------|------------------|--|
|   |     |  |      |                  | <ul style="list-style-type: none"> <li>• <b>02</b> – denoting a chargeable Special Read</li> </ul>   |
| 2   | FLD | Required Date                                      | 1    | See instructions | The date requested by the Supplier for the Change of Supplier.   |
| 2   | FLD | Registration Receipt Date                          | 1    | Mandatory        | The date on which MRSO received the originating 010 Registration Request message.  |
| 2   | SEG | Provisional Acceptance Completion Requirements     | 1..N | See instructions | An instance of this segment is provided for each Provisional Acceptance completion requirement notified. At least one completion requirement will be specified.  |
| 3   | FLD | Provisional Acceptance Completion Requirement Code | 1    | See instructions | <p>The code advises the reason for provisional acceptance and takes the following possible values and more than one code may be present:</p> <ul style="list-style-type: none"> <li>• <b>CAA</b> – Connection Agreement is awaited</li> <li>• <b>ENA</b> – Energisation is Awaited</li> <li>• <b>SIR</b> – Site Visit is Required</li> <li>• <b>SDS</b> – Smart Data Services</li> </ul> |
| 2   | SEG | Smart Data Services                                | 0..1 | Optional         | This segment contains the Interval and Non Interval Smart Data Services applicable to a smart Meter  |
| 3   | FLD | Smart Data Services Code                           | 1    | Mandatory        | This field is populated where a Smart Data Service Code has been requested   |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 102P Message |     |                                     | Rpt | Optionality | Description and Purpose   |
|---|-----|-------------------------------------|-----|-------------|---|
|   |     |                                     |     |             | <p>The valid codes are:</p> <p>01 - Interval Services</p> <p>02 - Non Interval Services</p>   |
| 3   | FLD | Meter Configuration Code (Required) | 1   | Mandatory   | <p>The Meter Configuration Code (Required) is a code on a message to the supplier to indicate the functionality required by the Supplier to be delivered by the combination of registers physically installed at a meter point. It does not describe the technical attributes of the meter(s).</p>  |
| 2   | FLD | Comms Technically Feasible          | 1   | Optional    | <p>This flag indicates to a supplier the feasibility of the Communications to the Smart meter</p> <p>Valid values are:</p> <ul style="list-style-type: none"> <li>• 01</li> <li>• 02</li> <li>• 03</li> <li>• 04</li> </ul> <p>Sites with legacy meters and smart meters that are awaiting Comms technically feasible confirmation will not show this field</p> |
| 2   | FLD | Smart Non Participation Code        | 1   | Optional    | Code to identify Smart Non Participation details as   |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 102P Message |  |  | Rpt | Optionality | Description and Purpose  |
|---|--|--|-----|-------------|--|
|   |  |  |     |             | 02 Non Technical Non Participation<br>03 Multiple Visits No Access<br>04 Smart Meter Exchange Deferred |

Retail Market Message Guide – Meter Registration

2.5.6 Message 102R: Change of Supplier – Registration Rejection

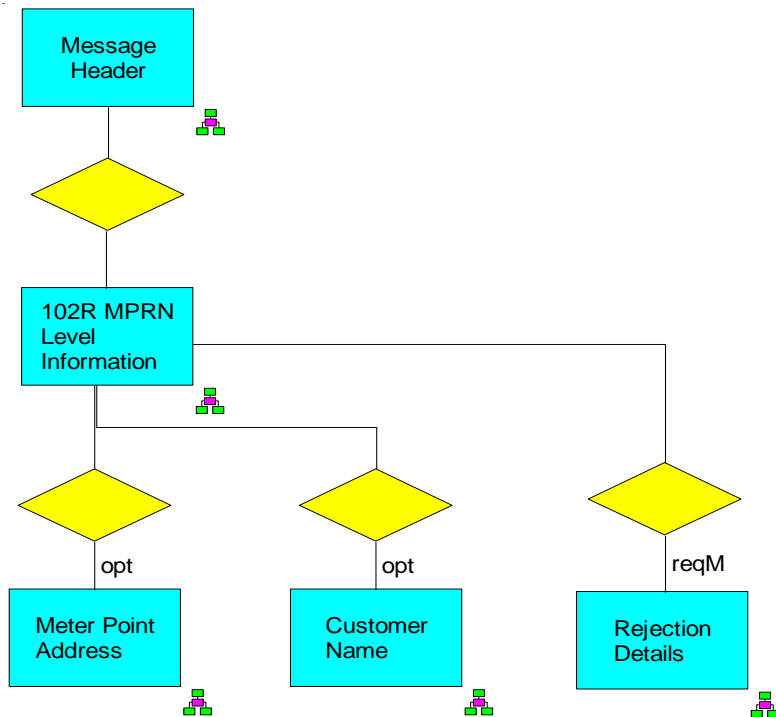
**Purpose and Description of Message**

Message 102R is sent by MRSO to a New Supplier to advise that a registration request has been rejected.

Message 102R is used in the following Market Processes:

| Process Number and Title |   | Use of Message   |
|--------------------------|---|--|
| MPD 1                    | Change of Supplier –Non Interval Metered    | To reject a registration request for a metered Non Interval Meter Point                            |
| MPD 2                    | Change of Supplier –Interval Metered        | To reject a registration request for an Interval Meter Point                                       |
| MPD 33                   | Change of Supplier - Single Point Unmetered | To reject a registration of a Single Point Unmetered site currently registered to another supplier |

**Data Hierarchy Diagram**



## Retail Market Message Guide – Meter Registration

### Message Structure and Interpretation

| Segment and Field Level Identifier – 102R Message |     |                                       | Rpt | Optionality     | Description and Purpose   |
|---|-----|---------------------------------------|-----|-----------------|---|
| 1 Message Header                                  |     |                                       | 1   | Mandatory       | See Common Data Segments for detailed notes on structure and population.  |
| 1 MPRN Level Information                          |     |                                       | 1   | Mandatory       |   |
| 2   | FLD | MPRN                                  | 1   | Mandatory       | The unique identifying reference number for the Meter Point for which a Registration Request is rejected  |
| 2   | FLD | Market Participant Business Reference | 1   | Mandatory       | A reference to the Market Participant Business Reference provided on the 010 message sent by the Supplier. It enables the Supplier to uniquely identify the original message to which this is the response. |
| 2   | SEG | Meter Point Address                   | 1   | See Description | The address at which the Meter Point is connected that is currently held by ESB DSO. See Common Data Segments for a description of individual data fields.  |
| 2   | FLD | Supplier Unit ID                      | 1   | Mandatory       | The Supplier Unit ID as provided by the Supplier. Format SU_nnnnnn  |
| 2   | FLD | SSAC                                  | 1   | See Description | The SSAC as provided by the Supplier  |
| 2   | FLD | Supply Agreement Flag                 | 1   | See Description | The Supply Agreement Flag as provided by the Supplier<br><br>Valid values are:<br><br>• 1 i.e. a logical value of True  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102R Message |     |   | Rpt | Optionality     | Description and Purpose  |
|---|-----|---|-----|-----------------|--|
|   |     |   |     |                 | <ul style="list-style-type: none"> <li>• <b>0 i.e. a logical value of False</b></li> </ul>   |
| 2   | SEG | Customer Name                             | 1   | See Description | <p>The Customer Name as provided by the Supplier.</p> <p>See Common Data Segments for a description of individual data fields.</p>   |
| 2   | FLD | Change of Supplier Read Arrangement       | 1   | See Description | The Change of Supplier Read Arrangement if and as requested by the Supplier  |
| 2   | FLD | Change of Supplier Estimate Acceptable    | 1   | See Description | <p>The Change of Supplier Estimate Acceptable Flag if and as provided by the Supplier</p> <p>Valid values are:</p> <ul style="list-style-type: none"> <li>• <b>1 i.e. a logical value of True</b></li> <li>• <b>0 i.e. a logical value of False</b></li> </ul> |
| 2   | FLD | Meter Configuration Code                  | 1   | See Description | The Meter Configuration Code if and as required by the Supplier  |
| 2   | FLD | Required Date                             | 1   | See Description | The Required Date where requested by the Supplier for the Change of Supplier.  |
| 2   | FLD | Registration Receipt Date                 | 1   | Mandatory       | The date on which MRSO received the originating 010 Registration Request message.  |
| 2   | FLD | Effective Date of Last Change of Supplier | 1   | Optional        | The date that the last CoS came into effect if the CoS effective date was less than 20 days. Mandatory where the rejection reason is CoS   |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102R Message |     |                   | Rpt  | Optionality | Description and Purpose   |
|---|-----|-------------------|------|-------------|---|
|   |     |                   |      |             | and the CoS was completed less than 20 days before the required date of the CoS   |
| 2   | SEG | Rejection Details | 1..N | Mandatory   | <p>An instance of this segment is provided for each rejection reason provided, except where the CustomerServiceDetailsCode 0010 Other is submitted on an 010, the message, in its entirety, will be rejected using the 102R with the Reject Reason Code IIDor where the code Medical Institution code 0005 (under MESN) comes in a 010 message for a DG1 and DG2 reject the message in its entirety with the Reject Reason Code IA.</p> <ul style="list-style-type: none"> <li>Where Smart Data Services are requested on a smart meter which is MCC02, the message will be rejected in its entirety with reject reason code 'IA'.</li> </ul> |
| 3   | FLD | Reject Reason     | 1    | Mandatory   | <p>A code to identify why data was rejected</p> <ul style="list-style-type: none"> <li><b>AMM</b> – The Meter Point Address on the message does not match that held by DSO for the MPRN</li> <li><b>COS</b> – The last Change of Supplier was effective less than 20 days of receipt of this registration message</li> <li><b>IA</b> - Invalid Action</li> <li><b>IA</b> – Where the code Medical Institution code 0005 (under MESN ) comes in a 010 message for a DG1 and DG2 reject the message in its entirety.</li> </ul>   |



Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102R Message |  |  | Rpt | Optionality | Description and Purpose   |
|---|--|--|-----|-------------|---|
|   |  |  |     |             | <ul style="list-style-type: none"> <li>○ <b>IA:</b> Where Smart Data Services are requested on a smart meter which is MCC02</li> <li>○ <b>ICE</b> –A permitted value for Estimate Acceptable has not been provided.</li> <li>○ <b>IDT</b> – The Required Date on registration message is greater than 40 days in the future or is more than 3 days ago where a customer read is provided</li> <li>○ <b>IGU</b> – The Generator Unit Id on the message does not match that held for the MPRN</li> <li>○ <b>IMF</b> – The CoS Read Arrangement is 'MC' but the requested Meter Configuration Code is not valid</li> <li>○ <b>IMP</b> – The MPRN does not exist or is for a Grouped Un-metered site (either at GMPRN or TMPRN level) or is not valid for this jurisdiction. This jurisdictional invalidity is flagged only on this message and for both New Connections and Change of Supplier operations. Note that the 101R message is not used to flag jurisdictional invalidity even for New Connections</li> <li>○ <b>IMS</b> – The MPRN status is not Energised or De-energised.</li> <li>○ <b>IRA</b> – (i) The CoS Read Arrangement specified on registration message must be CR (Customer Read), SC (Scheduled Read), SP (Special Read) or MC (Meter</li> </ul> |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102R Message | Rpt | Optionality | Description and Purpose   |
|---|-----|-------------|---|
|   |     |             | <p>Configuration Change).</p> <ul style="list-style-type: none"> <li>○ <b>IRA</b> – (ii) CoS Read Arrangement ‘CR’ must not be specified for MD sites</li> <li>○ <b>IRA</b> – (iii) CoS Read Arrangement ‘CR’ or ‘SP’ must be accompanied by a valid Required Date</li> <li>○ <b>NSA</b> – The Supplier has not warranted that a Supply Agreement exists</li> <li>○ <b>CIP</b> – A registration from another supplier is being processed for this MPRN</li> <li>○ <b>QHM</b> – A CoS Read Arrangement was provided for an QH Interval Meter Point</li> <li>○ <b>SAR</b> – The Supplier submitting the registration is already registered to this MPRN</li> <li>○ <b>SNK</b> – The Supplier Id is not known</li> <li>○ <b>SSS</b> – SSAC is not allowed for use by the Supplier Unit or for the Settlement Class of the Meter Point</li> <li>○ <b>IEA</b> – Invalid / incomplete EAI Code</li> <li>○ <b>IID</b> - The Customer is a Person but the request did not include a Customer Last Name</li> <li>○ <b>IID</b> – The Customer is an Organisation but the request did not</li> </ul> |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102R Message |  |  | Rpt | Optionality | Description and Purpose  |
|---|--|--|-----|-------------|--|
|   |  |  |     |             | <p>include a Customer Name Org_1</p> <ul style="list-style-type: none"> <li>○ <b>IID</b> – Customer Name details provided contained a mixture of Person and Organisation fields</li> <li>○ <b>IID</b> – A User rejected the request because data was invalid or incomplete</li> <li>○ <b>IID</b> - Where the CustomerServiceDetailsCode 0010 Other is submitted on an 010,</li> <li>○ <b>TIM</b> - Outside Timescale</li> <li>○ <b>TSR</b> – Trading Site Rejection</li> <li>○ <b>LOC</b> – The MPRN is not available for registration because a SoLR lockdown period applies</li> <li>○ <b>DIJ</b> - data invalid for jurisdiction (valid until market schema is changed)</li> <li>○ <b>SCI</b> – Smart Configuration Invalid where Smart Data Services exist but haven't been requested</li> <li>○ <b>NSM</b> – Smart Configuration Invalid where Smart Data Services have been requested without a smart Meter present on site</li> <li>○ <b>IMF</b>- Where any of the MCCs 13, 14, 15, 17, 18, 19, 20 are submitted on an 010</li> </ul> |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 102R Message |  |  | Rpt | Optionality | Description and Purpose   |
|---|--|--|-----|-------------|---|
|   |  |  |     |             | <ul style="list-style-type: none"> <li>○ <b>SNP</b> – Smart Non Participation details invalid</li> <li>○ <b>ISR</b> – Smart Non Participation details and Smart Data Services have been populated together</li> <li>○ <b>IM</b>– A CoS Read Arrangement was provided for an Interval Meter Point</li> <li>○ <b>EMA</b> – Email address Invalid</li> </ul> |

### 2.5.7 Message 105: Change of Supplier Confirmation (New Supplier)

#### Purpose and Description of Message

Message 105 is sent by MRSO to the New Supplier to advise that a Change of Supplier has been completed. Typically this will occur when:

- The registration has been accepted
- Five days have elapsed from the notification to the Old Supplier
- Any conditions giving rise to a provisional acceptance have been cleared

## Retail Market Message Guide – Meter Registration

- The required date has passed, if specified
- For Non Interval metered Meter Points, valid Change of Supplier readings have been obtained.

Message 105 is also sent to TSO for QH Interval Meter Points.

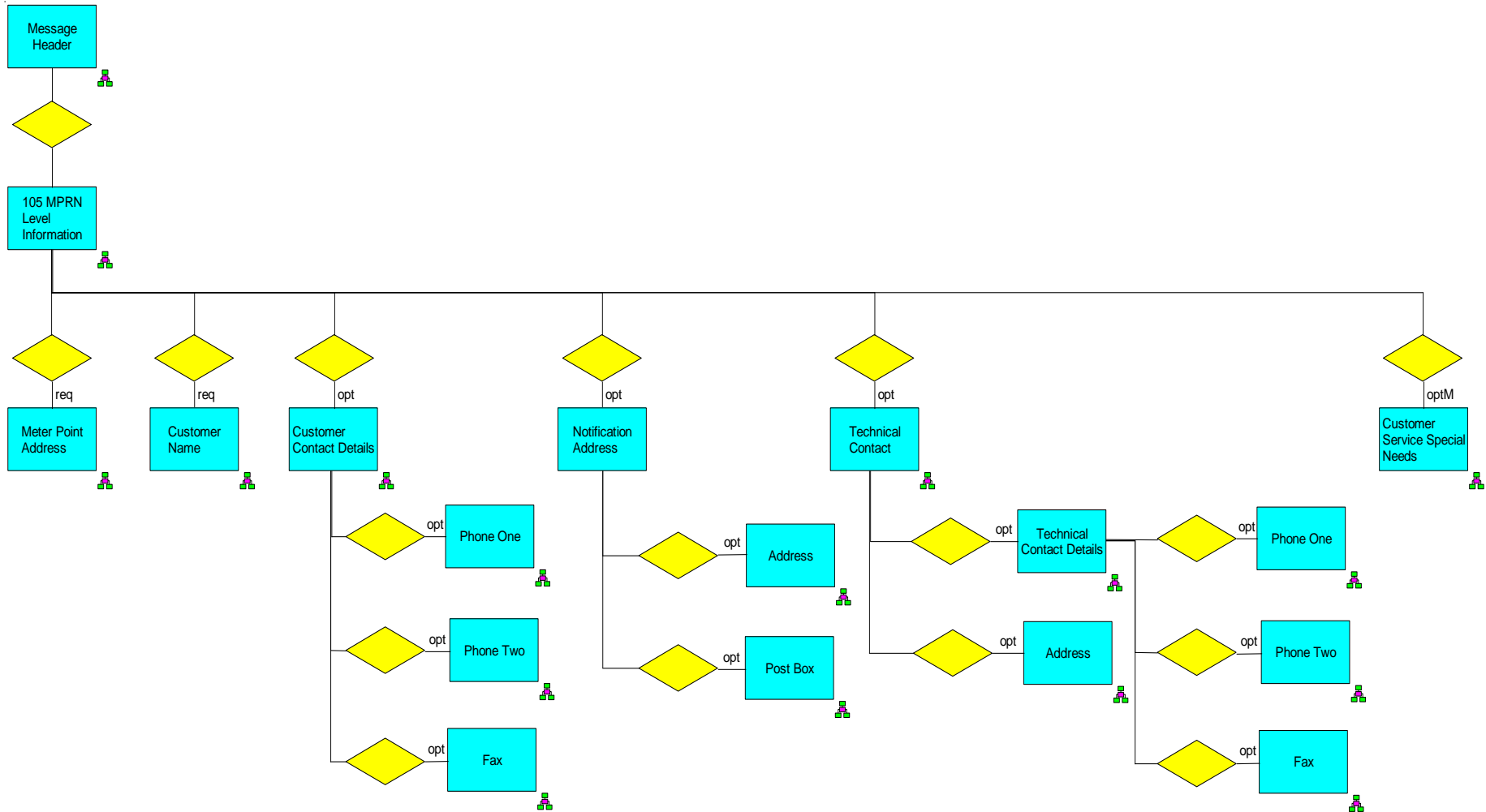
Message 105 is used in the following Market Processes:

| Process Number and Title |   | Use of Message  |
|--------------------------|---|---|
| MPD 1                    | Change of Supplier –Non Interval Metered    | To confirm a completed registration of a metered Non Interval Meter Point |
| MPD 2                    | Change of Supplier –Interval Metered        | To confirm a completed registration of an Interval Meter Point            |
| MPD 33                   | Change of Supplier - Single Point Unmetered | To confirm a completed registration of a Single Point Unmetered site      |

Message 105 provides a complete refresh of data, including data previously sent using message 102.

# Retail Market Message Guide – Meter Registration

## Data Hierarchy Diagram



Retail Market Message Guide – Meter Registration

**Message Structure and Interpretation**

| Segment and Field Level Identifier – 105 Message |     |                                       | Rpt | Optionality      | Description and Purpose   |
|--|-----|---------------------------------------|-----|------------------|---|
| 1 Message Header                                 |     |                                       | 1   | Mandatory        | See Common Data Segments for detailed notes on structure and population.  |
| 1 MPRN Level Information                         |     |                                       | 1   | Mandatory        |   |
| 2  | FLD | MPRN                                  | 1   | Mandatory        | The unique identifying reference number for the Meter Point for which the registration is confirmed as completed.   |
| 2  | FLD | Market Participant Business Reference | 1   | See instructions | A reference to the Market Participant Business Reference provided in the Message Header of the 010 message sent by the Supplier to MRSO. It enables the Supplier to uniquely identify the original message to which this is the response.<br><br>Will not be populated when registering to a Supplier of Last Resort. |
| 2  | SEG | Meter Point Address                   | 1   | Mandatory        | The address at which the Meter Point is connected that is currently held by ESB DSO. See Common Data Segments for a description of individual data fields.  |
| 2  | FLD | Meter Point Status                    | 1   | Mandatory        | The connection status of the Meter Point. This will be: <ul style="list-style-type: none"> <li>• <b>E</b> – Meter Point is Energised</li> </ul>   |
| 2  | FLD | Supplier ID                           | 1   | Mandatory        | The Supplier to whom the Meter Point will be registered.  |
| 2  | FLD | Supplier Unit ID                      | 1   | Mandatory        | The Supplier Unit ID to which the Meter Point will be registered.   |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 105 Message |     |                          | Rpt | Optionality      | Description and Purpose  |
|--|-----|--------------------------|-----|------------------|--|
|  |     |                          |     |                  | Format SU_nnnnnn   |
| 2  | FLD | SSAC                     | 1   | Mandatory        | The arrangement, requested by the Supplier, under which consumption usage will be aggregated for settlement.   |
| 2  | FLD | Settlement Class         | 1   | Mandatory        | A code that specifies how data is to be processed and aggregated for Settlement. This will take one of the following values: <ul style="list-style-type: none"> <li>• <b>N</b> – Synthetic profile to be used in settlement</li> <li>• <b>P</b> – Interval data (collected from an Interval Meter) to be used in settlement</li> <li>• <b>U</b> – Meter point settled using unmetered profile</li> </ul> |
| 2  | FLD | Connection System        | 1   | Mandatory        | A code that indicates the network to which the Meter Point is connected. This will take one of the following values: <ul style="list-style-type: none"> <li>• <b>DSO_GRID</b> – The Distribution Network operated by ESB DSO</li> <li>• <b>TSO_GRID</b> – The Transmission Network operated by Eirgrid</li> </ul>  |
| 2  | FLD | DUoS Group               | 1   | Mandatory        | A code which denotes the use of system tariff applied by ESB DSO to the Meter Point following the Change of Supplier.  |
| 2  | FLD | Maximum Import Capacity  | 1   | Mandatory        | The capacity in kVA agreed in the connection agreement and permitted to be imported at a meter point.  |
| 2  | FLD | Meter Configuration Code | 1   | See instructions | A code that indicates the functionality delivered by the combination of registers that is installed at a metered Meter Point following the Change of Supplier.   |
| 2  | FLD | Load Factor              | 1   | See instructions | A code that defines the pattern of demand and so affects the load profile allocated to a Maximum Demand Meter Point. The code will   |



## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 105 Message |     |                                     | Rpt | Optionality     | Description and Purpose  |
|--|-----|-------------------------------------|-----|-----------------|--|
|  |     |                                     |     |                 | not be present for Interval or for non-Maximum Demand Meter Points.  |
| 2  | FLD | DLF (Distribution Loss Factor) Code | 1   | Mandatory       | A code used to indicate the Distribution Loss Factor. The DLF code is either determined by the connection voltage or may be specific to a site.  |
| 2  | FLD | Transformer Loss Factor             | 1   | See Description | The factor that is applied to account for transformer losses when a meter point is metered at lower voltage than the connection voltage. The majority of sites are not metered in this way and therefore the Transformer Loss Factor will not normally be present. |
| 2  | FLD | Essential Plant                     | 1   | See Description | A flag will be set to :<br><b>1 i.e. a logical value of True – where ESNB determine a site is Essential Plant</b><br><b>0 i.e. a logical value of False - where ESNB determine a site is no longer Essential Plant</b>   |
| 2  | FLD | MIC Start Date                      | 1   | Optional        | Not used in ROI  |
| 2  | FLD | Current Chargeable Service Capacity | 1   | Optional        | Not used in ROI  |
| 2  | FLD | Supplier ID Old                     | 1   | Optional        | Not used in ROI  |
| 2  | FLD | Keypad Premises Number              | 1   | Optional        | Not used in ROI  |
| 2  | SEG | Customer Name                       | 1   | Mandatory       | The customer name advised by the Supplier.<br><br>See Common Data Segments for a description of individual data fields.  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 105 Message |     |                           | Rpt | Optionality      | Description and Purpose  |
|--|-----|---------------------------|-----|------------------|--|
| 2  | SEG | Customer Contact Details  | 1   | See instructions | The set of details enabling the customer to be contacted. This is provided if and as held by DSO. See Common Data Segments for a description of individual data fields.  |
| 2  | SEG | Notification Address      | 1   | See instructions | The address for correspondence with customers, provided if and as held by DSO. See Common Data Segments for a description of individual data fields.   |
| 2  | FLD | Contact Name (Technical)  | 1   | See instructions | This is the contact name of a person available for contacting for Technical purposes relating to the Meter Point where this is different to the Customer Contact. This field must be provided where Technical contact name details are being added or changed for an MPRN. |
| 2  | SEG | Technical Contact Details | 1   | See instructions | This segment refers to the technical contact phone numbers for a technical representative. This segment must be populated where Suppliers are creating new technical contact details for an MPRN or where they are changing existing technical contact details.            |
| 3  | FLD | Phone number 1            | 1   | See instructions | This is the principal phone number of a Technical contact and must be populated by Supplier  |
| 3  | FLD | Phone Ext1                | 1   | See instructions | This is the principal phone number overflow field for storing number extensions where applicable   |
| 3  | FLD | Phone number 2            | 1   | Optional         | This field can be used for the secondary phone number where this is required.  |
| 3  | FLD | Phone Ext2                | 1   | Optional         | This is the secondary phone number overflow field for storing number extensions where applicable.  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 105 Message |     |                                 | Rpt | Optionality      | Description and Purpose  |
|--|-----|---------------------------------|-----|------------------|--|
| 3  | FLD | Fax                             | 1   | Optional         | This field is intended to store a Fax telephone number where applicable  |
| 3  | FLD | Fax Ext                         | 1   | Optional         | This field is intended to store a Fax extension telephone number where applicable  |
| 3  | FLD | Email                           | 1   | Optional         | This field is intended to store electronic mail address details where applicable   |
| 2  | SEG | Street Type Address (Technical) | 1   | See instructions | Street type address provides details such as Street Name, House no etc. This segment is mandatory where a street type address is being provided or changed as part of Technical Contact details. |
| 3  | FLD | C/O Name                        | 1   | Optional         | This is the name to which correspondence can be addressed where this is different to the contact name.   |
| 3  | FLD | Unit No.                        | 1   | Optional         | This field can be used to populate information relating to the unit, flat or apartment number that can be part of an address   |
| 3  | FLD | Addr Line 1                     | 1   | Optional         | This field can be used as overflow for address details that apply before the street part of an address.  |
| 3  | FLD | Addr Line 2                     | 1   | Optional         | This field can be used as overflow for address details that apply before the street part of an address.  |
| 3  | FLD | House No.                       | 1   | Optional         | This can be used to populate the number of a premises given as part of an address  |
| 3  | FLD | Street                          | 1   | Mandatory        | This field stores information relating to the street part of an address and must be populated if the segment is provided.  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 105 Message |     |                  | Rpt | Optionality      | Description and Purpose   |
|--|-----|------------------|-----|------------------|---|
| 3  | FLD | Addr Line 4      | 1   | Optional         | This field can be used as overflow for address details that apply after the street part of an address.  |
| 3  | FLD | Addr Line 5      | 1   | Optional         | This field can be used as overflow for address details that apply after the street part of an address.  |
| 3  | FLD | Postal code      | 1   | Optional         | <p>This is the Postal Code given as part of an address where appropriate. Ireland has implemented a Postal Code system called Eircode and where available it is recommended that these Postal Codes for Technical Contact Details are communicated in Market Messages.</p> <p>They should conform to the Eircode structure A65F4E2 (there is one allowable exception for the first three characters viz.D6W) where each Eircode is comprised of seven uppercase alpha/numeric characters.</p> |
| 3  | FLD | City             | 1   | Optional         | Used to populate the details of which City an address resides in where appropriate  |
| 3  | FLD | County - Ireland | 1   | See instructions | A field denoting the county in Ireland in which an address resides. See the list of data codes for permissible values here. If the Technical (Street Type) Address is in Ireland this item must be populated.   |
| 3  | FLD | County / State   | 1   | Optional         | This denotes the county in which an address is situated. This is a free   |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 105 Message |     |                                 | Rpt  | Optionality      | Description and Purpose  |
|--|-----|---------------------------------|------|------------------|--|
|  |     |                                 |      |                  | text 40 character field for use in non – Irish Addresses.  |
| 3  | FLD | Country                         | 1    | See instructions | A field that makes up part of an address denoting in which country the address resides. See the list of data codes for permissible values here.<br><br>This field must be populated where a Technical Contact Address is provided.   |
| 2  | FLD | Medical Equipment Special Needs | 1    | See instructions | A code indicating the type of medical equipment special needs that a customer has, returned if and as advised by the Supplier.   |
| 2  | SEG | Customer Service Special Needs  | 0..N | Optional         | Add new segment to carry one or more Customer Special Needs Codes  |
| 3  | FLD | CustomerServiceDetailsCode      | 1..N | Mandatory        | A code or set of codes indicating the type of special customer service need(s) that a customer has.<br><br>If the customer has special customer service needs then the relevant code or codes should be selected from the following: <ul style="list-style-type: none"> <li>• <b>0001</b> Visually Impaired</li> <li>• <b>0002</b> Speech Impaired</li> <li>• <b>0003</b> Hearing Impaired</li> <li>• <b>0004</b> Elderly</li> <li>• <b>0005</b> Language Difficulty</li> <li>• <b>0006</b> Learning Difficulty</li> <li>• <b>0007</b> Mobility Impaired</li> <li>• <b>0008</b> Dexterity Impaired</li> <li>• <b>0009</b> Mental Health</li> </ul> |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 105 Message |     |                             | Rpt | Optionality      | Description and Purpose   |
|--|-----|-----------------------------|-----|------------------|---|
|  |     |                             |     |                  | Validation ensures that only codes relevant to ROI are provided and invalid codes are rejected  |
| 2  | FLD | Maximum Export Capacity     | 1   | See instructions | The capacity in kVA agreed in the connection agreement and permitted to be exported at a meter point, provided only where a Generation Unit is being registered.  |
| 2  | FLD | Read Frequency              | 1   | See instructions | A code that indicates the frequency with which a meter reading is scheduled to be taken by ESB Data Collector. Provided for Non Interval Meter Points only.   |
| 2  | FLD | Read Cycle Day              | 1   | See instructions | The day in a 41 day cycle that a meter is due to be read. Provided for Non Interval Meter Points only.  |
| 2  | FLD | Effective From Date         | 1   | Mandatory        | The date from which the New Supplier registration to the Meter Point is effective. The registration is effective from 00h00 at the start of this day. Where meter works are required as a result of the CoS request then the effective from date will be the date on which the meter works are completed. |
| 2  | FLD | DUoS Billing Frequency Code | 1   | Optional         | DUoS billing schedule for an MPRN with Half Hourly Interval Meter: <b>B</b> - Bi-Monthly.   |
| 2  | FLD | DUOS Billing Cycle          | 1   | Optional         | The day in a 41 day cycle that a meter is due to be billed. Provided for Half Hourly Meter Points only  |
| 2  | FLD | Comms Technically Feasible  | 1   | Optional         | This flag indicates to a supplier the feasibility of the Communications to the Smart meter  |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 105 Message |     |                                     | Rpt  | Optionality | Description and Purpose   |
|--|-----|-------------------------------------|------|-------------|---|
|  |     |                                     |      |             | <p>Valid values are:</p> <ul style="list-style-type: none"> <li>• 01</li> <li>• 02</li> <li>• 03</li> <li>• 04</li> </ul> <p>Sites with legacy meters and smart meters that are awaiting Comms technically feasible confirmation will not show this field</p>                     |
| 2  | SEG | Smart Data Services                 | 0..1 | Optional    | This segment contains the Interval and Non Interval Smart Data Services applicable to a smart Meter   |
| 3  | FLD | Smart Data Services Code            | 1    | Mandatory   | <p>This field is populated where a Smart Data Service Code has been requested</p> <p>The valid codes are:</p> <p>01 - Interval Services</p> <p>02 - Non Interval Services</p>   |
| 3  | FLD | Meter Configuration Code (Required) | 1    | Mandatory   | The Meter Configuration Code (Required) is a code on a message to the supplier to indicate the functionality required by the Supplier to be delivered by the combination of registers physically installed at a meter point. It does not describe the technical attributes of the |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 105 Message |     |                              | Rpt | Optionality | Description and Purpose   |
|--|-----|------------------------------|-----|-------------|---|
|  |     |                              |     |             | meter(s).   |
| 2  | FLD | Smart Non Participation Code | 1   | Optional    | Code to identify Smart Non Participation details as<br>02 Non Technical Non Participation<br>03 Multiple Visits No Access<br>04 Smart Meter Exchange Deferred |



## Retail Market Message Guide – Meter Registration

### 2.5.8 Message 105L Change of Supplier Confirmation (Old Supplier)

#### Purpose and Description of Message

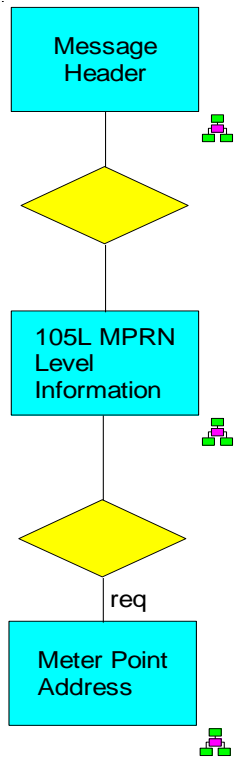
Message 105L is sent by MRSO to the Old Supplier to advise that a Change of Supplier has been completed. Typically this will occur when:

- The registration has been accepted
- Five days have elapsed from the notification to the Old Supplier
- Any conditions giving rise to a provisional acceptance have been cleared
- The required date has passed, if specified
- For Non Interval metered Meter Points, valid Change of Supplier readings have been obtained.

Message 105L is used in the following Market Processes:

| Process Number and Title |   | Use of Message  |
|--------------------------|---|---|
| MPD 1                    | Change of Supplier –Non Interval Metered    | To confirm a completed registration of a metered Non Interval Meter Point |
| MPD 2                    | Change of Supplier –Interval Metered        | To confirm a completed registration of an Interval Meter Point            |
| MPD 33                   | Change of Supplier - Single Point Unmetered | To confirm a completed registration of a Single Point Unmetered site      |

**Data Hierarchy Diagram**



## Retail Market Message Guide – Meter Registration

### Message Structure and Interpretation

| Segment and Field Level Identifier – 105L Message |     |                     | Rpt | Optionality | Description and Purpose   |
|---|-----|---------------------|-----|-------------|---|
| 1 Message Header                                  |     |                     | 1   | Mandatory   | <i>See Common Data Segments for detailed notes on structure and population.</i>   |
| 1 MPRN Level Information                          |     |                     | 1   | Mandatory   |   |
| 2   | FLD | MPRN                | 1   | Mandatory   | The unique identifying reference number for the Meter Point for which the registration is confirmed as completed.   |
| 2   | SEG | Meter Point Address | 1   | Mandatory   | The address at which the Meter Point is connected that is currently held by ESB DSO. See Common Data Segments for a description of individual data fields.  |
| 2   | FLD | Effective From Date | 1   | Mandatory   | The date from which the New Supplier registration to the Meter Point is effective. The registration is effective from 00h00 at the start of this day. Where meter works are required as a result of the CoS request then the effective from date will be the date on which the meter works are completed. |
| 2   | FLD | Supplier ID         | 1   | Optional    | The Supplier to whom the Meter Point will be registered. This is currently not used in ROI but maybe used in the future   |

## Retail Market Message Guide – Meter Registration

### 2.5.9 Message 110: Notification to Old Supplier of a Change of Supplier

#### Purpose and Description of Message

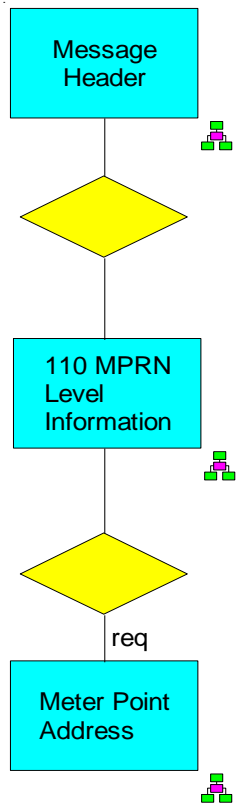
Message 110 is sent by MRSO to an Old Supplier to advise that a registration request has been accepted from a New Supplier.

Message 110 is used in the following Market Processes:

| Process Number and Title |   | Use of Message  |
|--------------------------|---|---|
| MPD 1                    | Change of Supplier –Non Interval Metered    | To register a metered Non Interval Meter Point currently registered to another Supplier |
| MPD 2                    | Change of Supplier –Interval Metered        | To register an Interval Meter Point currently registered to another Supplier            |
| MPD 33                   | Change of Supplier - Single Point Unmetered | To register a Single Point Unmetered site currently registered to another supplier      |

## Retail Market Message Guide – Meter Registration

### Data Hierarchy Diagram



Retail Market Message Guide – Meter Registration

**Message Structure and Interpretation**

| Segment and Field Level Identifier – 110 Message |     |                                     | Rpt | Optionality      | Description and Purpose   |
|--|-----|-------------------------------------|-----|------------------|---|
| 1 Message Header                                 |     |                                     | 1   | Mandatory        | See Common Data Segments for detailed notes on structure and population.  |
| 1 MPRN Level Information                         |     |                                     | 1   | Mandatory        |   |
| 2  | FLD | MPRN                                | 1   | Mandatory        | The unique identifying reference number for the Meter Point for which a registration has been accepted  |
| 2  | SEG | Meter Point Address                 | 1   | Mandatory        | The address at which the Meter Point is connected that is currently held by ESB DSO. See Common Data Segments for a description of individual data fields.  |
| 2  | FLD | Change of Tenant / Legal Entity     | 1   | Mandatory        | A flag that will be set to: <ul style="list-style-type: none"> <li>• <b>1 i.e. a logical value of True</b> - if MRSO believes that the identity of the customer has changed</li> <li>• <b>0 i.e. a logical value of False</b> – if MRSO believes that the identity of the customer has not changed</li> </ul> |
| 2  | FLD | Change of Supplier Read Arrangement | 1   | See instructions | A code that indicates the type of read to be used at a Change of Supplier for a Non Interval metered customer. Provided for Non Interval Meter Points only.<br><br><i>Refer to the Data Codes published by MRSO for a complete list of codes</i>  |
| 2  | FLD | Registration Receipt Date           | 1   | Mandatory        | The date on which MRSO received the originating 010 Registration  |

**Retail Market Message Guide – Meter Registration**

|   |     |                     |   |           |  |
|---|-----|---------------------|---|-----------|--|
|   |     |                     |   |           | Request message as used in service level and registration time-out processing. |
| 2 | FLD | Date of Issue       | 1 | Mandatory | The date on which MRSO issues the 110 message to the Old Supplier.             |
| 2 | FLD | Required Date       | 1 | Optional  | Not used in ROI  |
| 2 | FLD | Debit Transfer Flag | 1 | Optional  | Not used in ROI  |

**2.5.10 Message 111: Registration Cancellation (New Supplier)**

**Purpose and Description of Message**

Message 111 is sent by MRSO to advise that either a completed registration or a registration request has been cancelled.

Message 111 is also sent to TSO for QH Interval Meter Points.

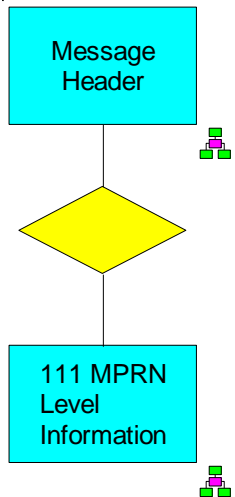
Message 111 is used in the following Market Processes:

| Process Number and Title |   | Use of Message   |
|--------------------------|---|--|
| MPD 3                    | Change of Supplier – Objection and Cancellation | i) To communicate to a New Supplier that a Change of Supplier registration request has been cancelled. |

**Retail Market Message Guide – Meter Registration**

|         |                         |   |
|---------|-------------------------|---|
|         |                         | ii) To communicate to the New Supplier that a completed Change of Supplier registration has been cancelled. |
| MPD 3.1 | Automated Debt Flagging | To communicate to a New Supplier that a Change of Supplier registration request has been cancelled.         |

**Data Hierarchy Diagram**





Retail Market Message Guide – Meter Registration

**Message Structure and Interpretation**

| Segment and Field Level Identifier – 111 Message |     |                                       | Rpt | Optionality      | Description and Purpose   |
|--|-----|---------------------------------------|-----|------------------|---|
| 1 Message Header                                 |     |                                       | 1   | Mandatory        | See <i>Common Data Segments</i> for detailed notes on structure and population.   |
| 1 MPRN Level Information                         |     |                                       | 1   | Mandatory        |   |
| 2  | FLD | MPRN                                  | 1   | Mandatory        | The unique identifying reference number for the Meter Point for which a registration or registration request has been cancelled.  |
| 2  | FLD | Market Participant Business Reference | 1   | See Description  | Where cancellation reason is 'TO' or 'CF' (see below) this will be a reference to the Market Participant Business Reference provided in the Message Header of the 010 message sent by the registering Supplier to MRSO.<br><br>Otherwise this will be a reference to the Market Participant Business Reference provided in the Message Header of the 011 message sent by the cancelling Supplier to MRSO.<br><br>It enables the Supplier to uniquely identify the original message to which this is the response. |
| 2  | FLD | Supplier ID                           | 1   | See instructions | This is the identity of either: <ul style="list-style-type: none"> <li>the re-instated Supplier following the cancellation of a completed Change of Supplier; or</li> <li>the currently registered Supplier following the cancellation of an incomplete Change of Supplier.</li> </ul> <p>It is not provided for a cancelled new connections registration.</p>  |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 111 Message |     |                     | Rpt | Optionality | Description and Purpose  |
|--|-----|---------------------|-----|-------------|--|
| 2  | FLD | Effective From Date | 1   | Optional    | This is the date from which the re-instated Supplier is re-registered following the cancellation of a completed Change of Supplier. It is the same as the effective from date communicated to the New Supplier on the message 105 however if this message is confirming the cancellation of an in progress Change of Supplier, the Required Date will be the date of receipt of 011 message. (tbc).  |
| 2  | FLD | Cancellation Reason | 1   | Mandatory   | <p>This is the reason for the registration cancellation:</p> <ul style="list-style-type: none"> <li>○ <b>CR</b> denotes that the customer requested not to proceed with the contract to supply</li> <li>○ <b>DE</b> denotes that the Supplier cancellation of Registration is due to Customer above the Debt threshold with Old Supplier (refer to MPD 3.1)</li> <li>○ <b>OS</b> denotes that the Supplier cancelled in response to an objection from an Old Supplier</li> <li>○ <b>SE</b> denotes that the Supplier registered the Meter Point in error but cancellation is not as a result of an objection</li> <li>○ <b>TO</b> denotes that the registration request has been cancelled because it was not completed within the permitted timeframes (refer to MPD 3)</li> <li>○ <b>ME</b> denotes Cooling Off Request.</li> <li>○ <b>CF</b> denotes that the registration request has been cancelled where Smart Data Services requested by a Supplier cannot</li> </ul> |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 111 Message |  |  | Rpt | Optionality | Description and Purpose         |
|--|--|--|-----|-------------|---------------------------------|
|  |  |  |     |             | be carried out (refer to MPD 3) |

Retail Market Message Guide – Meter Registration

2.5.11 Message 111L: Registration Cancellation – Cancellation of Customer Loss (Old Supplier)

Purpose and Description of Message

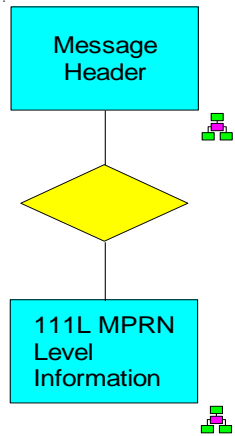
Message 111L is sent by MRSO to advise the Old Supplier that either a completed registration or a registration request has been cancelled.

Message 111L is used in the following Market Processes:

| Process Number and Title |   | Use of Message  |
|--------------------------|---|---|
| MPD 3                    | Change of Supplier – Objection and Cancellation | i) To communicate to the Old Supplier that a Change of Supplier registration request has been cancelled.<br><br>ii) To communicate to the Old Supplier that a completed Change of Supplier registration has been cancelled. |
| MPD 3.1                  | Automated Debt Flagging                         | To communicate to the Old Supplier that a Change of Supplier registration request has been cancelled.   |

## Retail Market Message Guide – Meter Registration

### Data Hierarchy Diagram



### Message Structure and Interpretation

| Segment and Field Level Identifier – 111L Message | Rpt | Optionality | Description and Purpose   |
|---|-----|-------------|---|
| 1 Message Header                                  | 1   | Mandatory   | <i>See Common Data Segments for detailed notes on structure and population.</i> |
| 1 MPRN Level Information                          | 1   | Mandatory   |   |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 111L Message |     |                     | Rpt | Optionality      | Description and Purpose  |
|---|-----|---------------------|-----|------------------|--|
| 2   | FLD | MPRN                | 1   | Mandatory        | The unique identifying reference number for the Meter Point for which a registration or registration request has been cancelled.   |
| 2   | FLD | Supplier ID         | 1   | See instructions | <p>This is the identity of either:</p> <ul style="list-style-type: none"> <li>• the re-instated Supplier following the cancellation of a completed Change of Supplier; or</li> <li>• the currently registered Supplier following the cancellation of an incomplete Change of Supplier.</li> </ul> <p>It is not provided for a cancelled new connections registration.</p>  |
| 2   | FLD | Effective From Date | 1   | Optional         | This is the date from which the re-instated Supplier is re-registered following the cancellation of a completed Change of Supplier. It is the same as the effective from date communicated to the New Supplier on the message 105 however if this message is confirming the cancellation of an in progress Change of Supplier, the Required Date will be the date of receipt of 011 message. (tbc).  |
| 2   | FLD | Cancellation Reason | 1   | Mandatory        | <p>This is the reason for the registration cancellation:</p> <ul style="list-style-type: none"> <li>○ <b>CR</b> denotes that the customer requested not to proceed with the contract to supply</li> <li>○ <b>DE</b> denotes that the Supplier cancellation of Registration is due to Customer above the Debt threshold with Old Supplier (refer to MPD 3.1 )</li> <li>○ <b>OS</b> denotes that the Supplier cancelled in response to an</li> </ul> |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 111L Message |  |  | Rpt | Optionality | Description and Purpose  |
|---|--|--|-----|-------------|--|
|   |  |  |     |             | <p>objection from an Old Supplier</p> <ul style="list-style-type: none"> <li>○ <b>SE</b> denotes that the Supplier registered the Meter Point in error but cancellation is not as a result of an objection</li> <li>○ <b>TO</b> denotes that the registration request has been cancelled because it was not completed within the permitted timeframes (refer to MPD 3)</li> <li>○ <b>ME</b> denotes Cooling Off Request.</li> <li>○ <b>CF</b> denotes that the registration request has been cancelled where Smart Data Services requested by a Supplier cannot be carried out (refer to MPD 3)</li> </ul> |

## Retail Market Message Guide – Meter Registration

### 2.5.12 Message 111A: Registration Cancellation Notification

#### Purpose and Description of Message

Message 111A is sent by MRSO to an Old Supplier to advise that a request has been made to cancel a completed Change of Supplier and seek a response.

Message 111A is used in the following Market Process:

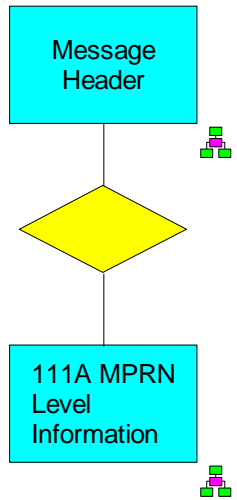
| Process Number and Title |   | Use of Message   |
|--------------------------|---|--|
| MPD 3                    | Change of Supplier – Objection and Cancellation | To request an Old Supplier to agree or disagree the cancellation of a Change of Supplier |

The Old Supplier should respond with their agreement or disagreement using message 011A as soon as possible.



Retail Market Message Guide – Meter Registration

Data Hierarchy Diagram



## Retail Market Message Guide – Meter Registration

### Message Structure and Interpretation

| Segment and Field Level Identifier – 111A Message |     |                     | Rpt | Optionality | Description and Purpose   |
|---|-----|---------------------|-----|-------------|---|
| 1 Message Header                                  |     |                     | 1   | Mandatory   | See <i>Common Data Segments</i> for detailed notes on structure and population.   |
| 1 MPRN Level Information                          |     |                     | 1   | Mandatory   |   |
| 2   | FLD | MPRN                | 1   | Mandatory   | The unique identifying reference number for the Meter Point where the registration is requested to be cancelled.  |
| 2   | FLD | Cancellation Reason | 1   | Mandatory   | A code to indicate why cancellation is requested: <ul style="list-style-type: none"> <li>○ <b>CR</b> denotes that the customer requests cancellation</li> <li>○ <b>ME</b> denotes Cooling Off Request</li> <li>○ <b>SE</b> denotes that the Supplier requests cancellation</li> </ul> |
| 2   | FLD | Effective From Date | 1   | Mandatory   | This is the date from which the re-instated Supplier will be re-registered if the Change of Supplier is cancelled.  |

Retail Market Message Guide – Meter Registration

2.5.13 Message 111R: Change of Supplier – Cancellation Request Rejection

**Purpose and Description of Message**

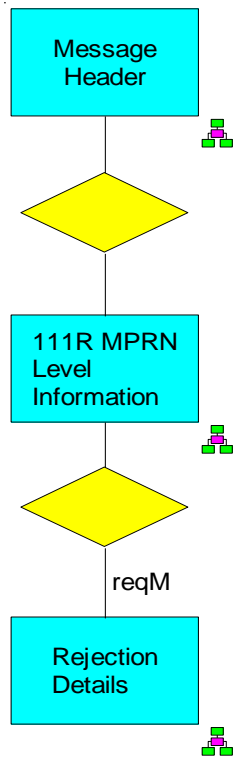
Message 111R is sent by MRSO to a New Supplier to advise that a request to cancel a Change of Supplier has been rejected.

Message 111R is used in the following Market Process:

| Process Number and Title |   | Use of Message  |
|--------------------------|---|---|
| MPD 3                    | Change of Supplier – Objection and Cancellation | To advise a New Supplier of the rejection of a request to cancel a Change of Supplier |
| MPD 3.1                  | Automated Debt Flagging                         | To advise a New Supplier of the rejection of a request to cancel a Change of Supplier |

## Retail Market Message Guide – Meter Registration

### Data Hierarchy Diagram



Retail Market Message Guide – Meter Registration

**Message Structure and Interpretation**

| Segment and Field Level Identifier – 111R Message |     |                                       | Rpt  | Optionality | Description and Purpose  |
|---|-----|---------------------------------------|------|-------------|--|
| 1 Message Header                                  |     |                                       | 1    | Mandatory   | See Common Data Segments for detailed notes on structure and population.   |
| 1 MPRN Level Information                          |     |                                       | 1    | Mandatory   |  |
| 2   | FLD | MPRN                                  | 1    | Mandatory   | The unique identifying reference number for the Meter Point for which a Registration Cancellation Request is rejected  |
| 2   | FLD | Market Participant Business Reference | 1    | Mandatory   | A reference to the Market Participant Business Reference provided in the Message Header of the 011 message sent by the Supplier. It enables the Supplier to uniquely identify the original message to which this is the response.  |
| 2   | FLD | Cancellation Reason                   | 1    | Mandatory   | The Cancellation Reason provided by the Supplier   |
| 2   | SEG | Rejection Details                     | 1..N | Mandatory   | An instance of this segment is provided for each rejection reason provided.  |
| 3   | FLD | Reject Reason                         | 1    | Mandatory   | <p>A code to identify why data was rejected</p> <ul style="list-style-type: none"> <li>○ <b>CAN</b> – The Old Supplier has not agreed to the cancellation request. This reject reason code will not apply to 011MM with objection for Debt cancellation reason code ‘DE’</li> <li>○ <b>IMP</b> – The MPRN does not exist or is for a Grouped Un-metered site (either at GMPRN or TMPRN level) or is not valid for this jurisdiction</li> </ul> <p><b>IMS</b> – A cancellation request is received for New Registration</p> |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 111R Message |  |  | Rpt | Optionality | Description and Purpose  |
|---|--|--|-----|-------------|--|
|   |  |  |     |             | <p>and the MPRN status is Energised. This reject reason code will not apply to 011MM with objection for Debt cancellation reason code 'DE'</p> <ul style="list-style-type: none"> <li>○ <b>IRC</b> – The Cancellation Reason Code is invalid or where a 011MM is received with a reason code DE before the start of the SWP</li> <li>○ <b>SNR</b> – The Supplier submitting the cancellation request is not registered to this MPRN</li> <li>○ <b>TIM</b> – The cancellation request has been received more than 65 days after effective date of Change of Supplier or where a 011 is received with a reason code DE after the expiry of the SWP.</li> <li>○ <b>IA</b> – The 011 received was a duplicate request. MRSO Already have a valid, cancellation for this MPRN</li> <li>○ <b>TSR</b> – Trading Site Rejection</li> </ul> |

## Retail Market Message Guide – Meter Registration

### 2.5.14 Message 112: Notification of Objection

#### Purpose and Description of Message

Message 112 is sent by MRSO to a New Supplier to advise that an objection has been made by an Old Supplier.

Message 112 is used in the following Market Process:

| Process Number and Title |   | Use of Message  |
|--------------------------|---|---|
| MPD 3                    | Change of Supplier – Objection and Cancellation | To advise a New Supplier that an objection has been made by an Old Supplier |
| MPD 3.1                  | Automated Debt Flagging                         | To advise a New Supplier that an objection has been made by an Old Supplier |

The New Supplier should decide whether or not to act on the objection and cancel the registration using message 011 as soon as possible. Where a Change of Supplier has not been completed the Change of Supplier will be suspended for a short period pending a decision. . Where

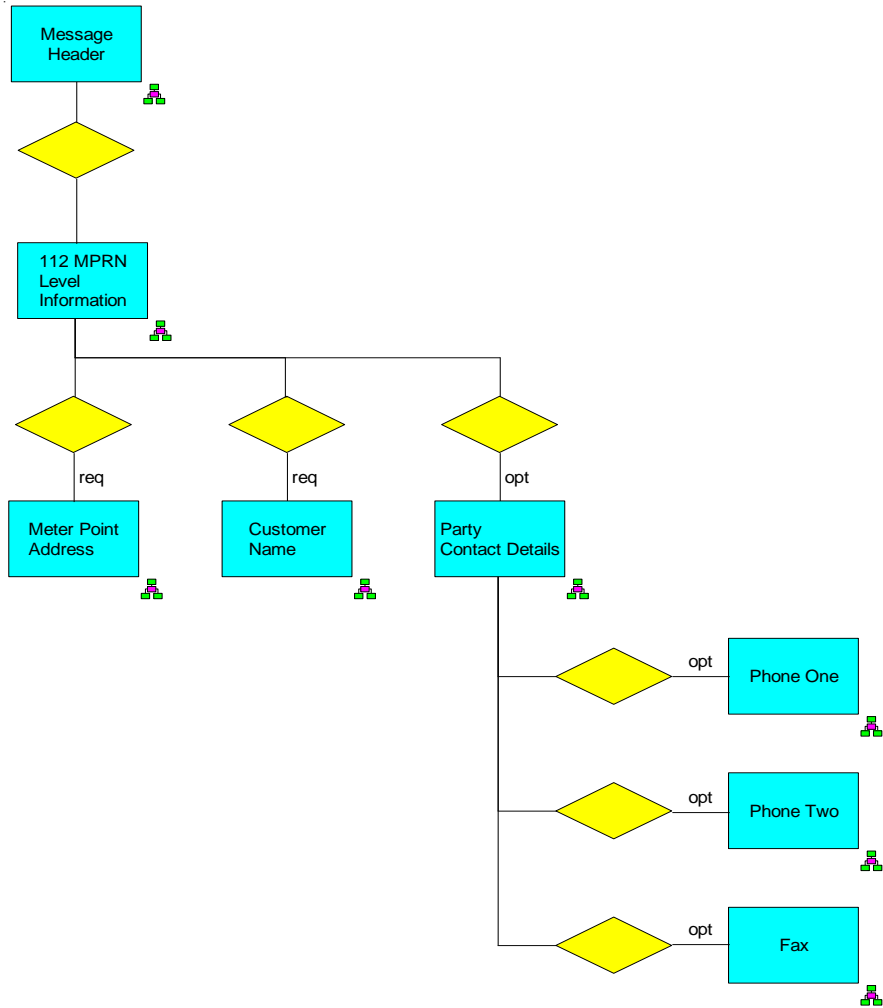
## **Retail Market Message Guide – Meter Registration**

the objection reason code is 'DCN' Debt Contact Notification the SWP starts from when 112 is outbound from MRSO and ends a max of 48hr later



## Retail Market Message Guide – Meter Registration

### Data Hierarchy Diagram



## Retail Market Message Guide – Meter Registration

### Message Structure and Interpretation

| Segment and Field Level Identifier – 112 Message |     |                     | Rpt | Optionality | Description and Purpose   |
|--|-----|---------------------|-----|-------------|---|
| 1 Message Header                                 |     |                     | 1   | Mandatory   | See <i>Common Data Segments</i> for detailed notes on structure and population.   |
| 1 MPRN Level Information                         |     |                     | 1   | Mandatory   |   |
| 2  | FLD | MPRN                | 1   | Mandatory   | The unique identifying reference number for the Meter Point for which an objection is being made.   |
| 2  | SEG | Meter Point Address | 1   | Mandatory   | The address at which the Meter Point is connected. See <i>Common Data Segments</i> for a description of individual data fields.   |
| 2  | SEG | Customer Name       | 1   | Mandatory   | The customer with whom the objecting Supplier claims to have a continuing agreement to supply electricity at the Meter Point and Meter Point Address. See <i>Common Data Segments</i> for a description of individual data fields.  |
| 2  | FLD | Request Status      | 1   | Mandatory   | A code that indicates that a request is being made or withdrawn. It should be set to: <ul style="list-style-type: none"> <li>○ <b>I</b> – denoting initiation of the objection.</li> </ul>  |
| 2  | FLD | Objection Reason    | 1   | Mandatory   | A code to indicate the old supplier's reason for the objection. This will be set to <b>ET</b> – Erroneous Transfer or <b>DCN</b> – Debt Contact Notification  |
| 2  | FLD | Objection Date      | 1   | Mandatory   | The date an objection was registered with MRSO. For an incomplete Change of Supply this is the date from which the Change of Supplier process is suspended (10 working days). Where the objection code is DCN the SWP starts from when the 112 is outbound and ends a max |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 112 Message |     |                       | Rpt | Optionality      | Description and Purpose   |
|--|-----|-----------------------|-----|------------------|---|
|  |     |                       |     |                  | 48hr later  |
| 2  | FLD | Supplier ID           | 1   | Mandatory        | The currently or previously registered Supplier hereby objecting to the Change of Supplier.   |
| 2  | SEG | Party Contact Details | 1   | See instructions | Details enabling the Supplier to be contacted in the event of a query with the objection. See Common Data Segments for a description of individual data fields. |

### 2.5.15 Message 112R: Notification of Objection - Rejection

#### Purpose and Description of Message

Message 112R is sent by MRSO to an Old Supplier to advise that the notification of an objection has been rejected by MRSO and not forwarded to a New Supplier.

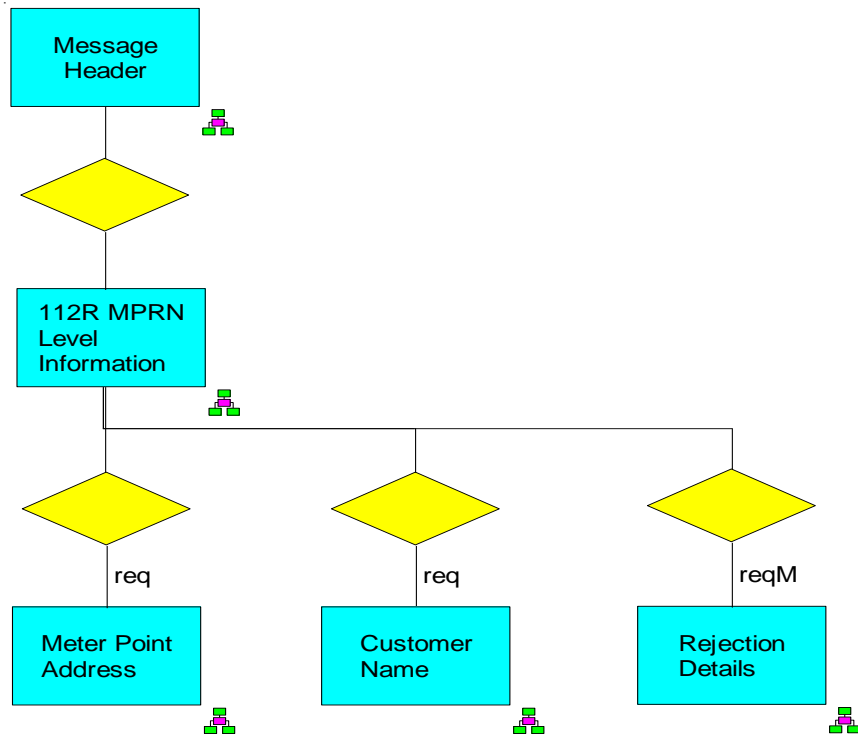
Message 112R is used in the following Market Process:

**Retail Market Message Guide – Meter Registration**

| <b>Process Number and Title</b> |   | <b>Use of Message</b>   |
|---------------------------------|---|---|
| MPD 3                           | Change of Supplier – Objection and Cancellation | To advise an Old Supplier that an objection has been rejected |
| MPD 3.1                         | Automated Debt Flagging                         | To advise an Old Supplier that an objection has been rejected |

## Retail Market Message Guide – Meter Registration

### Data Hierarchy Diagram



## Retail Market Message Guide – Meter Registration

### Message Structure and Interpretation

| Segment and Field Level Identifier – 112R Message |     |                                       | Rpt | Optionality | Description and Purpose   |
|---|-----|---------------------------------------|-----|-------------|---|
| 1 Message Header                                  |     |                                       | 1   | Mandatory   | See Common Data Segments for detailed notes on structure and population.  |
| 1 MPRN Level Information                          |     |                                       | 1   | Mandatory   |   |
| 2   | FLD | MPRN                                  | 1   | Mandatory   | The unique identifying reference number for the Meter Point for which an Objection is rejected  |
| 2   | FLD | Market Participant Business Reference | 1   | Mandatory   | A reference to the Market Participant Business Reference provided in the Message Header of the 012 message sent by the Supplier. It enables the Supplier to uniquely identify the original message to which this is the response. |
| 2   | SEG | Meter Point Address                   | 1   | Mandatory   | The Meter Point Address provided by the Supplier  |
| 2   | SEG | Customer Name                         | 1   | Mandatory   | The Customer Name provided by the Supplier.<br><br>See Common Data Segments for a description of individual data fields.  |
| 2   | FLD | Request Status                        | 1   | Mandatory   | The Request Status provided by the Supplier   |
| 2   | FLD | Objection Reason                      | 1   | Mandatory   | The Objection Reason provided by the Supplier. This will be either <b>ET</b> – Erroneous Transfer Or DCN – Debt Contact Notification  |
| 2   | FLD | Objection Date                        | 1   | Mandatory   | The Objection Date provided by the Supplier   |
| 2   | SEG | Rejection Details                     | 1.. | Mandatory   | An instance of this segment is provided for each rejection reason   |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 112R Message |     |               | Rpt | Optionality | Description and Purpose   |
|---|-----|---------------|-----|-------------|---|
|   |     |               | N   |             | provided.   |
| 3   | FLD | Reject Reason | 1   | Mandatory   | <p>A code to identify why data was rejected</p> <ul style="list-style-type: none"> <li>○ <b>AMM</b> – The Meter Point Address on the message does not match that held by DSO for the MPRN</li> <li>○ <b>IMP</b> – The MPRN does not exist or is for a Grouped Un-metered site (either at GMPRN or TMPRN level) or is not valid for this jurisdiction</li> <li>○ <b>IRC</b> – The Objection Reason Code is invalid (not for Erroneous Transfer or Debt Contact Notification)</li> <li>○ <b>QHM</b> – An objection is not valid for a QH Interval Meter Point except where the objection reason code is DCN</li> <li>○ <b>SNR</b> – The Supplier submitting the objection is not registered to this MPRN and is not the Old Supplier for this MPRN</li> <li>○ <b>TIM</b> – The objection has been received more than 60 days after effective date of Change of Supplier. Where objection reason code is DCN and the objection is received after the expiry of the FWP</li> <li>○ <b>IA</b> – The 012 received was a duplicate request. MRSO Already have a valid, open objection for this MPRN</li> </ul> |

## Retail Market Message Guide – Meter Registration

### 2.5.16 Message 112W: Withdrawal of Objection

#### Purpose and Description of Message

Message 112W is sent by MRSO to a New Supplier to advise that an objection has been withdrawn or has expired.

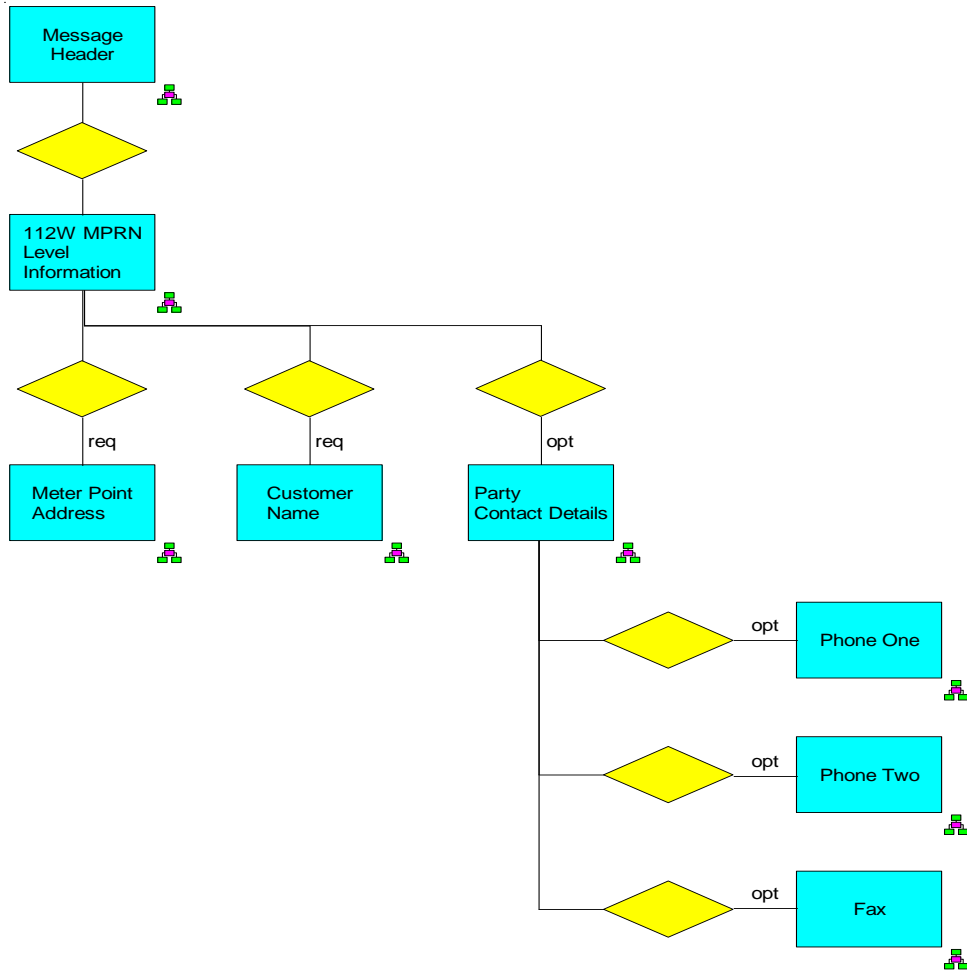
Message 112W is used in the following Market Process:

| Process Number and Title |   | Use of Message  |
|--------------------------|---|---|
| MPD 3                    | Change of Supplier – Objection and Cancellation | To advise a New Supplier that an objection has been withdrawn or has expired. |



# Retail Market Message Guide – Meter Registration

## Data Hierarchy Diagram



## Retail Market Message Guide – Meter Registration

### Message Structure and Interpretation

| Segment and Field Level Identifier – 112W Message |     |                       | Rpt | Optionality      | Description and Purpose  |
|---|-----|-----------------------|-----|------------------|--|
| 1 Message Header                                  |     |                       | 1   | Mandatory        | See <i>Common Data Segments</i> for detailed notes on structure and population.  |
| 1 MPRN Level Information                          |     |                       | 1   | Mandatory        |  |
| 2   | FLD | MPRN                  | 1   | Mandatory        | The unique identifying reference number for the Meter Point for which an objection is being withdrawn.   |
| 2   | SEG | Meter Point Address   | 1   | Mandatory        | The address at which the Meter Point is connected. See <i>Common Data Segments</i> for a description of individual data fields.  |
| 2   | SEG | Customer Name         | 1   | Mandatory        | The customer with whom the Old Supplier has or had a contract. See <i>Common Data Segments</i> for a description of individual data fields.  |
| 2   | FLD | Request Status        | 1   | Mandatory        | A code that indicates that a request is being made or withdrawn. It should be set to: <ul style="list-style-type: none"> <li>○ <b>E</b> – denoting expiry of the objection, or</li> <li>○ <b>W</b> – denoting withdrawal of the objection</li> </ul> |
| 2   | FLD | Objection Reason      | 1   | Mandatory        | A code to indicate the old supplier's reason for the objection. This will be set to <b>ET</b> – Erroneous Transfer on this message.  |
| 2   | FLD | Objection Date        | 1   | Mandatory        | The date an objection was registered with MRSO.  |
| 2   | FLD | Supplier ID           | 1   | Mandatory        | The Supplier that is withdrawing the objection.  |
| 2   | SEG | Party Contact Details | 1   | See instructions | Details enabling the Supplier to be contacted in the event of a query with the withdrawal. See <i>Common Data Segments</i> for a description of individual data fields.  |

## Retail Market Message Guide – Meter Registration

### 2.5.17 Message 122: De-Registration Confirmation

#### Purpose and Description of Message

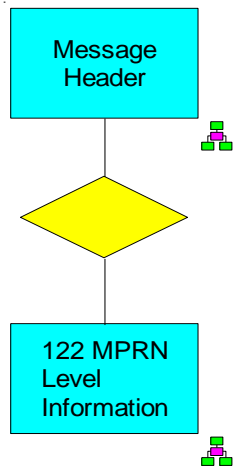
Message 122 is sent by MRSO to a Supplier to advise that a Meter Point has been de-registered.

Message 122 is also sent to TSO for QH Interval Meter Points.

Message 122 is used in the following Market Processes:

| Process Number and Title |                      | Use of Message   |
|--------------------------|----------------------|--|
| MPD 19                   | Terminate Connection | To confirm a de-registration of a Meter Point following a customer termination request |
| MPD 21                   | De-Registration      | To confirm a Supplier requested de-registration of a Meter Point                       |

Data Hierarchy Diagram



## Retail Market Message Guide – Meter Registration

### Message Structure and Interpretation

| Segment and Field Level Identifier – 122 Message |     |                                       | Rpt | Optionality                | Description and Purpose  |
|--|-----|---------------------------------------|-----|----------------------------|--|
| 1 Message Header                                 |     |                                       | 1   | Mandatory                  | See <i>Common Data Segments</i> for detailed notes on structure and population.  |
| 1 MPRN Level Information                         |     |                                       | 1   | Mandatory                  |  |
| 2  | FLD | MPRN                                  | 1   | Mandatory                  | The unique identifying reference number for the Meter Point that has been de-registered.   |
| 2  | FLD | Market Participant Business Reference | 1   | See Description (Optional) | Provided the de-registration was initiated by the Supplier, this is a reference to the Market Participant Business Reference provided in the Message Header of the 021 message sent by the Supplier to MRSO.<br><br>Otherwise the field is not provided. |
| 2  | FLD | De-Registration Reason                | 1   | Mandatory                  | A code to indicate the reason for the de-registration.   |
| 2  | FLD | Effective From Date                   | 1   | Mandatory                  | This is the date from which the Supplier is de-registered.   |

## Retail Market Message Guide – Meter Registration

### 2.5.18 Message 122R: De-registration Rejection

#### Purpose and Description of Message

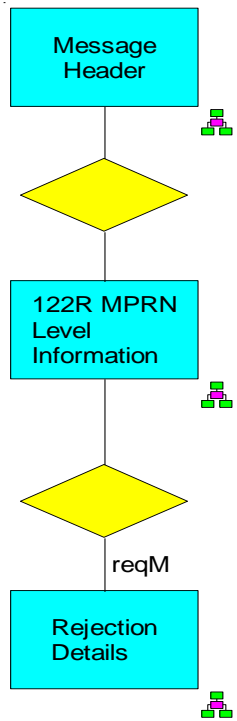
Message 122R is sent by MRSO to a Supplier to advise that a de-registration request has been rejected.

Message 122R is used in the following Market Process:

| Process Number and Title |                 | Use of Message   |
|--------------------------|-----------------|--|
| MPD 21                   | De-Registration | To advise the rejection of a de-registration request for a Meter Point |

## Retail Market Message Guide – Meter Registration

### Data Hierarchy Diagram



## Retail Market Message Guide – Meter Registration

### Message Structure and Interpretation

| Segment and Field Level Identifier – 122R Message |     |                                       | Rpt  | Optionality | Description and Purpose   |
|---|-----|---------------------------------------|------|-------------|---|
| 1 Message Header                                  |     |                                       | 1    | Mandatory   | <i>See Common Data Segments for detailed notes on structure and population.</i>   |
| 1 MPRN Level Information                          |     |                                       | 1    | Mandatory   |   |
| 2   | FLD | MPRN                                  | 1    | Mandatory   | The unique identifying reference number for the Meter Point for which a De-Registration Request is rejected   |
| 2   | FLD | Market Participant Business Reference | 1    | Mandatory   | A reference to the Market Participant Business Reference provided in the Message Header of the 021 message sent by the Supplier. It enables the Supplier to uniquely identify the original message to which this is the response.   |
| 2   | FLD | De-Registration Reason                | 1    | Mandatory   | The De-Registration Reason provided by the Supplier   |
| 2   | SEG | Rejection Details                     | 1..N | Mandatory   | An instance of this segment is provided for each rejection reason provided.   |
| 3   | FLD | Reject Reason                         | 1    | Mandatory   | <p>A code to identify why data was rejected</p> <ul style="list-style-type: none"> <li>• <b>CIP</b> – A registration from another supplier is being processed for this MPRN</li> <li>• <b>DSO</b> – The de-registration request was referred to DSO and rejected</li> <li>• <b>IDT</b> – The Required Date is in the past or is within agreed De-Energisation timelines.</li> <li>• <b>IMS</b> – A De-Registration request is received and the MPRN status is not De-Energised</li> <li>• <b>IMP</b> – The MPRN does not exist or is not valid for this jurisdiction</li> <li>• <b>IRC</b> – The De-Registration Reason Code is invalid</li> <li>• <b>SNR</b> – The Supplier requesting De-Registration is not registered to this MPRN</li> </ul> |



## Retail Market Message Guide – Meter Registration

### 2.5.19 Message 310: Validated Change of Supplier Reading

#### Purpose and Description of Message

Message 310 is sent by MRSO to an Old Supplier when a Change of Supplier has been completed for an Non Interval Metered Meter Point in order to advise the meter details and the closing readings.

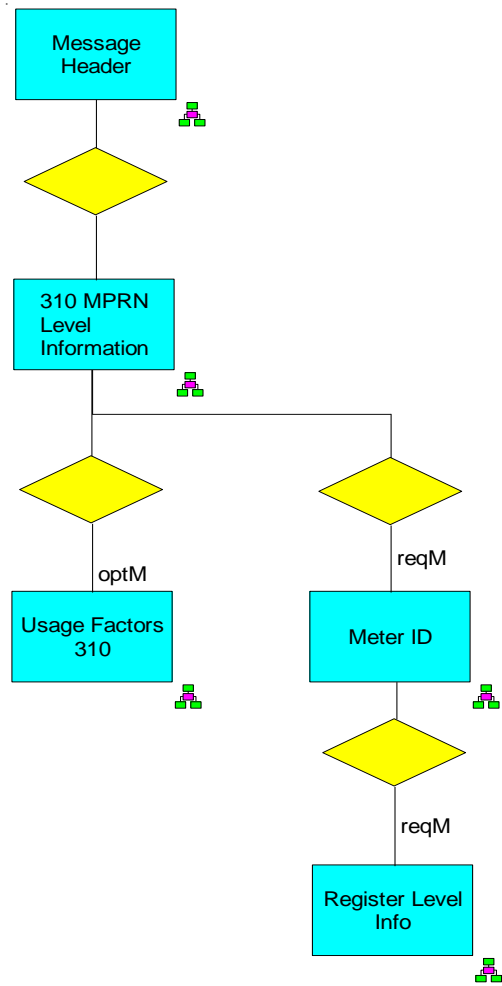
Message 310 is used in the following Market Processes:

| Process Number and Title |  | Use of Message   |
|--------------------------|--|--|
| MPD 1                    | Change of Supplier –Non Interval Metered | To advise the Old Supplier of the closing reading on completion of a Change of Supplier. |
| MPD 2                    | Change of Supplier –Interval Metered     | To advise the Old Supplier of the closing reading on completion of a Change of Supplier. |

Message 310 may be re-sent, with revised meter readings, if the original readings are successfully disputed.

## Retail Market Message Guide – Meter Registration

### Data Hierarchy Diagram



## Retail Market Message Guide – Meter Registration

### Message Structure and Interpretation

| Segment and Field Level Identifier – 310 Message |     |                           | Rpt | Optionality | Description and Purpose   |
|--|-----|---------------------------|-----|-------------|---|
| 1 Message Header                                 |     |                           | 1   | Mandatory   | <i>See Common Data Segments for detailed notes on structure and population.</i>   |
| 1 MPRN Level Information                         |     |                           | 1   | Mandatory   |   |
| 2  | FLD | MPRN                      | 1   | Mandatory   | The unique identifying reference number for the Meter Point for which the Change of Supplier readings are sent.   |
| 2  | FLD | Networks Reference Number | 1   | Mandatory   | A unique reference allocated by ESB Networks to the readings  |
| 2  | FLD | Read Date                 | 1   | Mandatory   | The date of the closing readings provided in the message. The time of the readings is assumed to be 23h59 at the end of the day. For remote reads, it will be the 23h59 reading.  |
| 2  | FLD | Meter Point Status        | 1   | Mandatory   | The connection status of the Meter Point. This will be: <ul style="list-style-type: none"> <li>• <b>D</b> – Meter Point was De-Energised</li> <li>• <b>E</b> – Meter Point was Energised</li> </ul>   |
| 2  | FLD | Load Profile              | 1   | Mandatory   | A code denoting the standard load profile that determines, when coupled with Timeslot, the <u>derived</u> profile that is applied to consumption usage for settlement purposes.<br><br><i>Refer to the Data Codes published by MRSO for a complete list of codes.</i> |
| 2  | FLD | DUoS Group                | 1   | Mandatory   | A code which denotes the use of system tariff applied by ESB DSO to   |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 310 Message |     |               | Rpt                 | Optionality | Description and Purpose |   |
|--|-----|---------------|---------------------|-------------|-------------------------|---|
|  |     |               |                     |             | the Meter Point.        |   |
| 2  | SEG | Usage Factors |                     | 0..N        | See instructions        | <p>Usage factors will be calculated in all cases with the following exception:</p> <ul style="list-style-type: none"> <li>The readings are not for a Change of Legal Entity and all readings are estimated.</li> </ul> <p>For each Timeslot there will be two usages; the first being the actual usage and the second the estimate usage, each with their own separate Effective From Date.</p> |
|  | 3   | FLD           | Timeslot            | 1           | Mandatory               | A code that indicates the time intervals for which a usage factor is effective and will be aggregated.  |
|  | 3   | FLD           | Effective From Date | 1           | Mandatory               | The inclusive date from which the usage factor will be aggregated.  |
|  | 3   | FLD           | Actual Usage Factor | 1           | Mandatory               | A statement in kWh of the actual consumption for the Timeslot since the Effective From Date until the end of Read Date, extrapolated to an annual consumption based on the applicable <u>derived</u> profile  |
| 2  | SEG | Meter ID      |                     | 1..N        | Mandatory               |   |
|  | 3   | FLD           | Meter Category      | 1           | Optional                | A code allocated by Meter Asset Manager to denote the manufacturer and type of meter.   |
|  | 3   | FLD           | Serial Number       | 1           | Mandatory               | The physical number found on the meter.   |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 310 Message |     |                            | Rpt  | Optionality | Description and Purpose  |
|--|-----|----------------------------|------|-------------|--|
| 3  | SEG | Register Level Information | 1..N | Mandatory   |  |
| 4  | FLD | Meter Register Sequence    | 1    | Mandatory   | An identifier to distinguish between different meter dials on a physical meter or set of meters.   |
| 4  | FLD | Timeslot                   | 1    | Mandatory   | A code that indicates the period that a meter register is recording.   |
| 4  | FLD | Unit of Measurement        | 1    | Mandatory   | A code that indicates the value that is measured on this register.   |
| 4  | FLD | Meter Multiplier           | 1    | Mandatory   | A factor to be applied to an advance or reading at a register in order to derive a true value  |
| 4  | FLD | Reading                    | 1    | Mandatory   | The Change of Supplier reading for this register.  |
| 4  | FLD | Read Reason                | 1    | Mandatory   | A code that indicates the reason that a reading was collected. This should be set to: <ul style="list-style-type: none"> <li>○ <b>26</b> – Change of Supplier</li> </ul>   |
| 4  | FLD | Read Type                  | 1    | Mandatory   | A code that indicates whether the reading is: <ul style="list-style-type: none"> <li>○ <b>A</b> – An actual reading obtained by ESB Networks</li> <li>○ <b>CU</b> – A reading provided directly by a customer</li> <li>○ <b>E</b> – An estimate due to no-access or a missing register reading</li> <li>○ <b>EF</b> – An estimate due to an implausible reading / No read</li> </ul> |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 310 Message |     |                    | Rpt | Optionality      | Description and Purpose   |
|--|-----|--------------------|-----|------------------|---|
|  |     |                    |     |                  | <p>available</p> <ul style="list-style-type: none"> <li>○ <b>EP</b> – An estimate due to a planned no-visit</li> <li>○ <b>EU</b> – An estimate due to an unplanned no-visit</li> <li>○ <b>RC</b> – A replacement reading or estimate agreed for use by both Suppliers</li> <li>○ <b>SC</b> – A customer reading provided by a Supplier</li> </ul> |
| 4  | FLD | Previous Read Date | 1   | Mandatory        | The date to which a reading prior to the one currently being reported applies, i.e. this is the end of the of the previous consumption period for the register.   |
| 4  | FLD | Consumption        | 1   | See instructions | The consumption in kWh calculated from the Previous Read Date. This is provided for kWh registers only.   |
| 4  | FLD | Read Status        | 1   | Mandatory        | <p>A code that indicates:</p> <ul style="list-style-type: none"> <li>• <b>RV</b> –Reading which is plausible</li> <li>• <b>RREL</b> – Reading was originally implausible but released on investigation as plausible</li> <li>• <b>REST</b> – Reading was estimated; see Read Type for reason.</li> </ul>  |
| 4  | FLD | Register Type      | 1   | Mandatory        | A code that indicates the purpose of the register.  |

Retail Market Message Guide – Meter Registration

2.5.20 Message 310W: Withdrawn Change of Supplier Reading

**Purpose and Description of Message**

Message 310W is sent by MRSO to an Old Supplier when closing readings for a Change of Supplier are withdrawn.

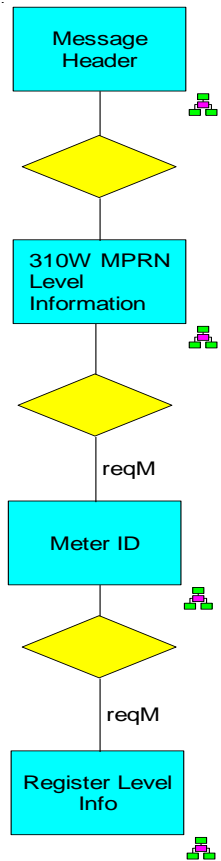
Message 310W is used in the following Market Processes:

| Process Number and Title |  | Use of Message  |
|--------------------------|--|---|
| MPD 1                    | Change of Supplier –Non Interval Metered | To advise the Old Supplier that a Change of Supplier closing reading has been withdrawn |
| MPD 2                    | Change of Supplier –Interval Metered     | To advise the Old Supplier that a Change of Supplier closing reading has been withdrawn |

A new version of message 310 may be sent, with revised meter readings, if the original readings are replaced.

## Retail Market Message Guide – Meter Registration

### Data Hierarchy Diagram





## Retail Market Message Guide – Meter Registration

### Message Structure and Interpretation

| Segment and Field Level Identifier – 310W Message |     |                    | Rpt | Optionality | Description and Purpose   |
|---|-----|--------------------|-----|-------------|---|
| 1 Message Header                                  |     |                    | 1   | Mandatory   | See <i>Common Data Segments</i> for detailed notes on structure and population.   |
| 1 MPRN Level Information                          |     |                    | 1   | Mandatory   |   |
| 2   | FLD | MPRN               | 1   | Mandatory   | The unique identifying reference number for the Meter Point for which the Change of Supplier readings are withdrawn.  |
| 2   | FLD | Networks Reference | 1   | Mandatory   | A reference to the Networks Reference allocated by ESB Networks to the readings that are being withdrawn.   |
| 2   | FLD | Read Date          | 1   | Mandatory   | The date of the closing readings being withdrawn.   |
| 2   | FLD | Meter Point Status | 1   | Mandatory   | The connection status previously advised for the Meter Point. This will be: <ul style="list-style-type: none"> <li>• <b>D</b> – Meter Point was De-Energised</li> <li>• <b>E</b> – Meter Point was Energised</li> </ul>   |
| 2   | FLD | Load Profile       | 1   | Mandatory   | A code denoting the standard load profile that determines, when coupled with Timeslot, the <u>derived</u> profile that is applied to consumption usage for settlement purposes.<br><br><i>Refer to the Data Codes published by MRSO for a complete list of codes.</i> |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 310W Message |     |                            | Rpt  | Optionality | Description and Purpose  |
|---|-----|----------------------------|------|-------------|--|
| 2   | FLD | DUoS Group                 | 1    | Mandatory   | A code which denotes the use of system tariff applied by ESB DSO to the Meter Point.   |
| 2   | FLD | Withdrawal Reason          | 1    | Mandatory   | A code to indicate the reason that the reading was withdrawn. This will be set to one of the following values:<br><br><b>A1</b> Erroneous Change of Supplier<br><b>A2</b> Disputed CoS Meter Reading<br>Change of Supplier<br><b>A3</b> Cancellation<br><b>A4</b> Change of Supplier<br><b>A5</b> Change of Legal Entity<br><b>B1</b> Incorrect MPRN<br><b>C1</b> Incorrect Estimation<br><b>C2</b> Incorrect Meter Reading<br><b>D1</b> Incorrect Rate<br><b>D2</b> Incorrect Billing Period<br><b>D3</b> Incorrect Meter |
| 2   | SEG | Meter ID                   | 1..N | Mandatory   |  |
| 3   | FLD | Meter Category             | 1    | Optional    | A code allocated by Meter Asset Manager to denote the manufacturer and type of meter.  |
| 3   | FLD | Serial Number              | 1    | Mandatory   | The physical number found on the meter.  |
| 3   | SEG | Register Level Information | 1..N | Mandatory   |  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 310W Message |     |                         | Rpt | Optionality      | Description and Purpose  |
|---|-----|-------------------------|-----|------------------|--|
| 4   | FLD | Meter Register Sequence | 1   | Mandatory        | An identifier to distinguish between different meter dials on a physical meter or set of meters.   |
| 4   | FLD | Timeslot                | 1   | Mandatory        | A code that indicates the period that a meter register is recording.   |
| 4   | FLD | Unit of Measurement     | 1   | Mandatory        | A code that indicates the value that is measured on this register.   |
| 4   | FLD | Meter Multiplier        | 1   | Mandatory        | A factor to be applied to an advance or reading at a register in order to derive a true value  |
| 4   | FLD | Reading                 | 1   | Mandatory        | The reading, for this register, that is being withdrawn.   |
| 4   | FLD | Read Reason             | 1   | Mandatory        | A code that indicates the reason that a reading was collected. This should be set to: <ul style="list-style-type: none"> <li>○ <b>26</b> – Change of Supplier</li> </ul> |
| 4   | FLD | Read Type               | 1   | Mandatory        | A code that indicates whether the type of reading being withdrawn.   |
| 4   | FLD | Previous Read Date      | 1   | Mandatory        | The date to which a reading prior to the one currently being withdrawn applies, i.e. this is the end of the of the previous consumption period for the register.         |
| 4   | FLD | Consumption             | 1   | See instructions | The consumption in kWh calculated for the withdrawn reading. This is provided for kWh registers only.  |
| 4   | FLD | Read Status             | 1   | Mandatory        | A code that indicates the status of the reading being withdrawn.   |
| 4   | FLD | Register Type           | 1   | Mandatory        | A code that indicates the purpose of the register.   |

**Retail Market Message Guide – Meter Registration**

**2.5.21 Message 320: Validated Change of Supplier Reading**

**Purpose and Description of Message**

Message 320 is sent by MRSO to a New Supplier when a Change of Supplier has been completed for a Non Interval Metered Meter Point in order to advise the meter details and the opening readings.

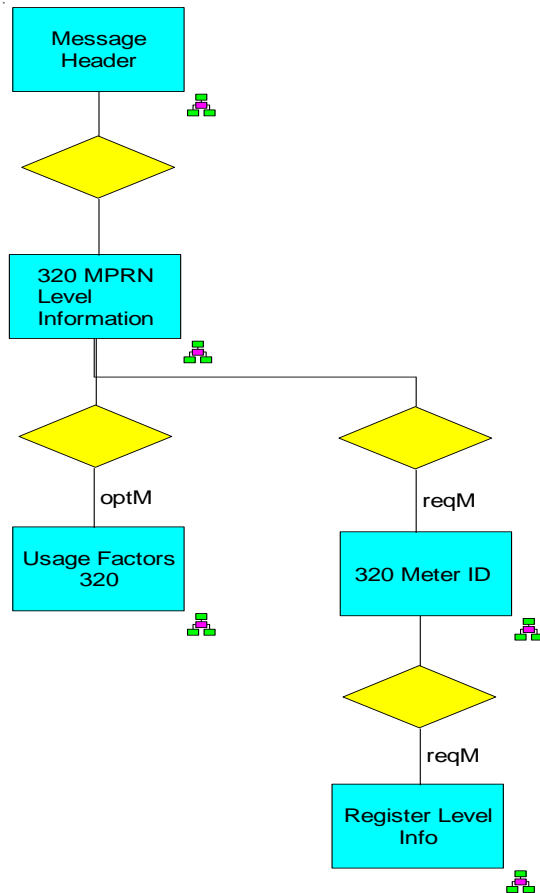
Message 320 is used in the following Market Processes:

| <b>Process Number and Title</b> |  | <b>Use of Message</b>  |
|---------------------------------|--|--|
| MPD 1                           | Change of Supplier –Non Interval Metered | To advise the New Supplier of the meter details and opening reading on completion of a Change of Supplier. |
| MPD 2                           | Change of Supplier – Interval Metered    | To advise the New Supplier of the meter details and opening reading on completion of a Change of Supplier. |

Message 320 may be re-sent, with revised meter readings, if the original readings are successfully disputed.

## Retail Market Message Guide – Meter Registration

### Data Hierarchy Diagram



## Retail Market Message Guide – Meter Registration

### Message Structure and Interpretation

| Segment and Field Level Identifier – 320 Message |     |                                       | Rpt | Optionality      | Description and Purpose   |
|--|-----|---------------------------------------|-----|------------------|---|
| 1 Message Header                                 |     |                                       | 1   | Mandatory        | See <i>Common Data Segments</i> for detailed notes on structure and population.   |
| 1 MPRN Level Information                         |     |                                       | 1   | Mandatory        |   |
| 2  | FLD | MPRN                                  | 1   | Mandatory        | The unique identifying reference number for the Meter Point for which the Change of Supplier readings are sent.   |
| 2  | FLD | Market Participant Business Reference | 1   | See instructions | A reference to the Market Participant Business Reference provided in the Message Header of the 010 message sent by the Supplier to MRSO. It enables the Supplier to uniquely identify the original message to which this is the response.<br><br>Not provided for a registration to a Supplier of Last Resort |
| 2  | FLD | Networks Reference Number             | 1   | Mandatory        | A unique reference allocated by ESB Networks to the readings  |
| 2  | FLD | Read Date                             | 1   | Mandatory        | The 'effective' date of the opening readings provided in the message. The time of the readings is assumed to be 00h00 at the start of the day.<br><br>This is the same as the Effective From Date of the New Supplier registration even if the physical read date was the day prior to registration.          |
| 2  | FLD | Meter Point Status                    | 1   | Mandatory        | The connection status of the Meter Point. This should always be: <ul style="list-style-type: none"> <li>• <b>E</b> – Meter Point is Energised</li> </ul>  |

**Retail Market Message Guide – Meter Registration**

| Segment and Field Level Identifier – 320 Message |     |                          | Rpt  | Optionality | Description and Purpose   |
|--|-----|--------------------------|------|-------------|---|
| 2  | FLD | Meter Configuration Code | 1    | Mandatory   | A code that indicates the functionality delivered by the combination of registers that is installed at a Meter Point.   |
| 2  | FLD | Keypad Premises Number   | 1    | Optional    | Not used in ROI   |
| 2  | FLD | Load Profile             | 1    | Mandatory   | A code denoting the standard load profile that determines, when coupled with Timeslot, the <u>derived</u> profile that is applied to consumption usage for settlement purposes.<br><br><i>Refer to the Data Codes published by MRSO for a complete list of codes.</i> |
| 2  | FLD | DUoS Group               | 1    | Mandatory   | A code which denotes the use of system tariff applied by ESB DSO to the Meter Point.  |
| 2  | SEG | Usage Factors            | 1..N | Mandatory   |   |
| 3  | FLD | Timeslot                 | 1    | Mandatory   | A code that indicates the time intervals for which a usage factor is effective and will be aggregated.  |
| 3  | FLD | Effective From Date      | 1    | Mandatory   | The inclusive date from which the usage factor will be aggregated.  |
| 3  | FLD | Estimated Usage Factor   | 1    | Mandatory   | A statement in kWh of the estimated consumption for the Timeslot for the 365 days starting from the Effective From Date.  |
| 2  | SEG | Meter ID                 | 1..N | Mandatory   |   |
| 3  | FLD | Meter Category           | 1    | Optional    | A code allocated by Meter Asset Manager to denote the manufacturer  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 320 Message |     |                            | Rpt  | Optionality      | Description and Purpose   |
|--|-----|----------------------------|------|------------------|---|
|  |     |                            |      |                  | and type of meter.  |
| 3  | FLD | Serial Number              | 1    | Mandatory        | The physical number found on the meter.   |
| 3  | FLD | Meter Location             | 1    | See instructions | A code that refers to the physical position of a meter at a premises. In some circumstances no meter location code was convertible from legacy data. In such cases no Meter Location will be provided |
| 3  | SEG | Register Level Information | 1..N | Mandatory        |   |
| 4  | FLD | Meter Register Sequence    | 1    | Mandatory        | An identifier to distinguish between different meter dials on a physical meter or set of meters.  |
| 4  | FLD | Timeslot                   | 1    | Mandatory        | A code that indicates the period that a meter register is recording.  |
| 4  | FLD | Unit of Measurement        | 1    | Mandatory        | A code that indicates the value that is measured on this register.  |
| 4  | FLD | Meter Multiplier           | 1    | Mandatory        | A factor to be applied to an advance or reading at a register in order to derive a true value   |
| 4  | FLD | Reading                    | 1    | Mandatory        | The Change of Supplier reading for this register.   |
| 4  | FLD | Read Reason                | 1    | Mandatory        | A code that indicates the reason that a reading was collected. This should be set to: <ul style="list-style-type: none"> <li>○ <b>26</b> – Change of Supplier</li> </ul>                              |
| 4  | FLD | Read Type                  | 1    | Mandatory        | A code that indicates whether the reading is: <ul style="list-style-type: none"> <li>○ <b>A</b> – An actual reading obtained by ESB Networks</li> </ul>   |



## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 320 Message |     |                         | Rpt | Optionality      | Description and Purpose   |
|--|-----|-------------------------|-----|------------------|---|
|  |     |                         |     |                  | <ul style="list-style-type: none"> <li>○ <b>CU</b> – A reading provided directly by a customer</li> <li>○ <b>E</b> – An estimate due to no-access or a missing register reading</li> <li>○ <b>EF</b> – An estimate due to an implausible reading / No read available</li> <li>○ <b>EP</b> – An estimate due to a planned no-visit</li> <li>○ <b>EU</b> – An estimate due to an unplanned no-visit</li> <li>○ <b>RC</b> – A replacement reading or estimate agreed for use by both Suppliers</li> <li>○ <b>SC</b> – A customer reading provided by a Supplier</li> </ul> |
| 4  | FLD | Register Type           | 1   | Mandatory        | A code that indicates the purpose of the register.  |
| 4  | FLD | Pre-Decimal Digits      | 1   | Mandatory        | The number of digits before the decimal place on the meter register.  |
| 4  | FLD | Post-Decimal Digits     | 1   | Mandatory        | The number of digits after the decimal place on the meter register.   |
| 4  | FLD | Estimate of Consumption | 1   | See instructions | <p>An estimate of the annualised consumption of a register. This is provided for all non MD registers and only at CoS and to the New Supplier only.</p> <p><b>Please note:</b> that this value will not necessarily be equal to the EUF for the timeslot.</p>   |

## Retail Market Message Guide – Meter Registration

### 2.5.22 Message 320W: Withdrawn Change of Supplier Reading

#### Purpose and Description of Message

Message 320W is sent by MRSO to a New Supplier when opening readings for a Change of Supplier are withdrawn.

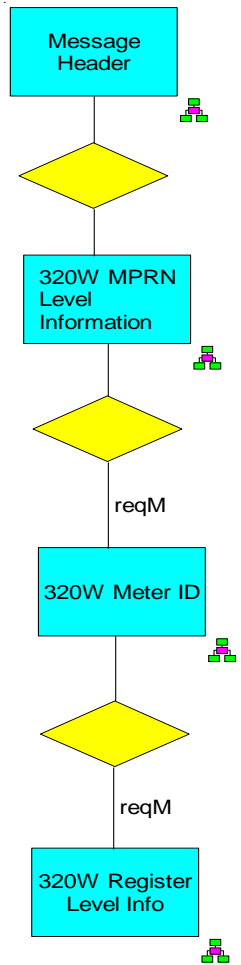
Message 320W is used in the following Market Processes:

| Process Number and Title |  | Use of Message   |
|--------------------------|--|--|
| MPD 1                    | Change of Supplier –Non Interval Metered | To advise the New Supplier of the meter details and opening reading on completion of a Change of Supplier. |
| MPD 2                    | Change of Supplier –Interval Metered     | To advise the Old Supplier that a Change of Supplier opening reading has been withdrawn                    |

A new version of message 320 may be sent, with revised meter readings, if the original readings are replaced.

## Retail Market Message Guide – Meter Registration

### Data Hierarchy Diagram



## Retail Market Message Guide – Meter Registration

### Message Structure and Interpretation

| Segment and Field Level Identifier – 320W Message |     |                                       | Rpt | Optionality      | Description and Purpose   |
|---|-----|---------------------------------------|-----|------------------|---|
| 1 Message Header                                  |     |                                       | 1   | Mandatory        | See <i>Common Data Segments</i> for detailed notes on structure and population.   |
| 1 MPRN Level Information                          |     |                                       | 1   | Mandatory        |   |
| 2   | FLD | MPRN                                  | 1   | Mandatory        | The unique identifying reference number for the Meter Point for which the Change of Supplier readings are sent.   |
| 2   | FLD | Market Participant Business Reference | 1   | See instructions | A reference to the Market Participant Business Reference provided in the Message Header of the 010 message sent by the Supplier to MRSO. It enables the Supplier to uniquely identify the original message to which this is the response.<br><br>Not provided for a registration to a Supplier of Last Resort |
| 2   | FLD | Networks Reference Number             | 1   | Mandatory        | A reference to the Networks Reference allocated by ESB Networks to the readings that are being withdrawn.   |
| 2   | FLD | Read Date                             | 1   | Mandatory        | The 'effective from' date of the opening readings that are being withdrawn.   |
| 2   | FLD | Meter Point Status                    | 1   | Mandatory        | The connection status of the Meter Point. This should always be: <ul style="list-style-type: none"> <li>• <b>E</b> – Meter Point is Energised</li> </ul>  |
| 2   | FLD | Meter Configuration Code              | 1   | Mandatory        | A code that indicates the functionality delivered by the combination of   |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 320W Message |     |                        | Rpt | Optionality | Description and Purpose  |
|---|-----|------------------------|-----|-------------|--|
|   |     |                        |     |             | registers for which the readings are withdrawn.  |
| 2   | FLD | Keypad Premises Number | 1   | Optional    | Not used in ROI  |
| 2   | FLD | Load Profile           | 1   | Mandatory   | A code denoting the standard load profile that determines, when coupled with Timeslot, the <u>derived</u> profile that is applied to consumption usage for settlement purposes.<br><br><i>Refer to the Data Codes published by MRSO for a complete list of codes.</i>  |
| 2   | FLD | DUoS Group             | 1   | Mandatory   | A code which denotes the use of system tariff applied by ESB DSO to the Meter Point.   |
| 2   | FLD | Withdrawal Reason      | 1   | Mandatory   | A code to indicate the reason that the reading was withdrawn. This will be set to one of the following values:<br><br><b>A1</b> Erroneous Change of Supplier<br><b>A2</b> Disputed CoS Meter Reading<br><br>Change of Supplier<br><b>A3</b> Cancellation<br><br>Change of Supplier<br><b>A4</b> Change of Supplier<br><br>Change of Legal Entity<br><b>A5</b> Change of Legal Entity<br><br><b>B1</b> Incorrect MPRN |

Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 320W Message |     |                            |  | Rpt  | Optionality      | Description and Purpose   |
|---|-----|----------------------------|--|------|------------------|---|
|   |     |                            |  |      |                  | <b>C1</b> Incorrect Estimation<br><b>C2</b> Incorrect Meter Reading<br><b>D1</b> Incorrect Rate<br><b>D2</b> Incorrect Billing Period<br><b>D3</b> Incorrect Meter  |
| 2   | SEG | Meter ID Details           |  | 1..N | Mandatory        |   |
| 3   | FLD | Meter Category             |  | 1    | Optional         | A code allocated by Meter Asset Manager to denote the manufacturer and type of meter.   |
| 3   | FLD | Serial Number              |  | 1    | Mandatory        | The physical number found on the meter.   |
| 3   | FLD | Meter Location             |  | 1    | See instructions | A code that refers to the physical position of a meter at a premises. In some circumstances no meter location code was convertible from legacy data. In such cases no Meter Location will be provided. This is currently not used in ROI but maybe used in the future |
| 3   | SEG | Register Level Information |  | 1..N | Mandatory        |   |
| 4   | FLD | Meter Register Sequence    |  | 1    | Mandatory        | An identifier to distinguish between different meter dials on a physical meter or set of meters.  |
| 4   | FLD | Timeslot                   |  | 1    | Mandatory        | A code that indicates the period that a meter register is recording.  |

## Retail Market Message Guide – Meter Registration

| Segment and Field Level Identifier – 320W Message |     |                     | Rpt | Optionality | Description and Purpose  |
|---|-----|---------------------|-----|-------------|--|
| 4   | FLD | Unit of Measurement | 1   | Mandatory   | A code that indicates the value that is measured on this register.   |
| 4   | FLD | Meter Multiplier    | 1   | Mandatory   | A factor to be applied to an advance or reading at a register in order to derive a true value  |
| 4   | FLD | Reading             | 1   | Mandatory   | The reading, for this register, that is being withdrawn.   |
| 4   | FLD | Read Reason         | 1   | Mandatory   | A code that indicates the reason that a reading was collected. This should be set to: <ul style="list-style-type: none"> <li>○ <b>26</b> – Change of Supplier</li> </ul> |
| 4   | FLD | Read Type           | 1   | Mandatory   | A code that indicates whether the type of reading being withdrawn.   |
| 4   | FLD | Register Type       | 1   | Mandatory   | A code that indicates the purpose of the register.   |
| 4   | FLD | Pre-Decimal Digits  | 1   | Mandatory   | The number of digits before the decimal place on the meter register.   |
| 4   | FLD | Post-Decimal Digits | 1   | Mandatory   | The number of digits after the decimal place on the meter register.  |

### **3 Appendix 1**

The tables below outline the valid combinations of Read Reason, Read Type and Read Status that can be found on messages 310 and 320.

#### **3.1 *Appendix 1A – Message 310 Combinations***



**Retail Market Message Guide – Meter Registration**

| <b>Scenarios</b>  | <b>Read Reason</b>      | <b>Read Type</b>                                   | <b>Read Status</b> | <b>Comments/Queries</b> |
|-------------------|-------------------------|--|--------------------|-------------------------|
| CoS Customer Loss | 26 - Change of Supplier | A - Actual   | RV                 |                         |
|                   |                         | A - Actual   | RREL               |                         |
|                   |                         | SC - Supplier Provided<br>Customer reading         | RV                 |                         |
|                   |                         | SC - Supplier Provided<br>Customer reading         | RREL               |                         |
|                   |                         | EF - Estimate<br>(Implausible / No read available) | REST               |                         |
|                   |                         | E - Estimate (No Access)                           | REST               |                         |
|                   |                         | EP - Estimate<br>(Block Planned)                   | REST               |                         |
|                   |                         | EU - Estimate<br>(Block Unplanned)                 | REST               |                         |

### 3.2 Appendix 1B – Message 320 Combinations

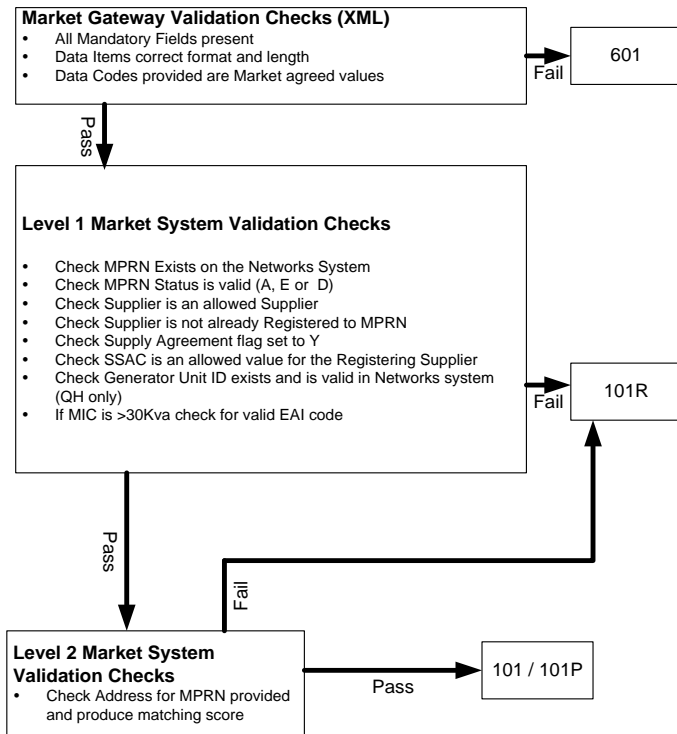
| Scenarios         | Read Reason             | Read Type  | Read Status | Comments/Queries |
|-------------------|-------------------------|--|-------------|------------------|
| CoS Customer Gain | 26 - Change of Supplier | A - Actual   | RV          |                  |
|                   |                         | A - Actual   | RREL        |                  |
|                   |                         | SC - Supplier Provided<br>Customer reading         | RV          |                  |
|                   |                         | SC - Supplier Provided<br>Customer reading         | RREL        |                  |
|                   |                         | EF - Estimate (Implausible /<br>No read available) | REST        |                  |
|                   |                         | E - Estimate (No Access)                           | REST        |                  |
|                   |                         | EP - Estimate (Block<br>Planned)                   | REST        |                  |
|                   |                         | EU - Estimate (Block<br>Unplanned)                 | REST        |                  |

## 4 Appendix 2

The following diagrams show the sequence in which validations take place on receipt of New Connection and Change of Supplier requests by MRSO.

### 4.1 *Appendix 2A – New Connection validation sequence diagram*

## Retail Market Message Guide – Meter Registration



## 4.2 Appendix 2B – Change of Supplier validation sequence diagram

