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## NI Market Message Implementation Guide – Meter Works

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## NI Market Message Implementation Guide – Meter Works

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## 1 INTRODUCTION

### 1.1 Purpose of the Message Implementation Guide

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

- The construction of Meter Works-related market messages to be sent to NIE Networks; and
- The interpretation of Meter Works-related market messages received from NIE Networks.

The Message Implementation Guides are organised into separate documents based around key business process areas. These are:

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

This document is the **Meter Works** Implementation Guide.

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

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- A description of the responses that can be expected
- For messages sent by NIE 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.

A separate **Common Data Segments Implementation Guide** 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.

### 1.2 Validation

The document provides notes on how NIE 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 by NIE Networks.

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 NIE Networks
- A description of the error.

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### **1.3 Message Version**

This Message Guide refers to and is consistent with the Market Messages and Data Codes.

### **1.4 Notes**

A segment, denoted SEG, is a group of one or more data fields

A field, denoted FLD, is a single data field

The repeat (rpt) column is used as follows:

- 1 – indicates that the field or segment occurs once if mandatory; may occur once or not at all if optional; or occurs once if the conditions described under ‘description’ apply
- 1:N – indicates that the field or segment occurs once or many times if mandatory; may occur any number of times or not at all if optional; or occurs once or many times if the conditions described under ‘description’ apply

Where a field is mandatory within a segment that is not mandatory, this indicates that the field must be populated when the segment is used, but is not required when the segment is not used.

### **1.5 Implementation of Market Change Requests**

MCR 1028 Multiple CSSN Codes

MCR 1032 Introduce Prepayment Type

MCR 1042 Removal of Non Site Vist Keypad Meter Configuration Changes

MCR 1051 Re-Energisation after Rewiring

MCR 1053 Fieldwork Cancellation / Rescheduling during Change of Supplier

MCR 1054 Removal of Supplier Certification Validation

MCR 1070 New Codes for Rejecting Special Read Requests

MCR 1077 Sundry Changes including Appointment Rejection Reason Description, New Reject Reasons

MCR 1079 Harmonisation Baseline Core Elements - Data Codes

MCR 1082 New Chargeable Service Capacity Five Year Agreement End Date

CRID 143 De-Energisation when a Change of Supplier is pending

CRID 145 Removal of implied Change of Usage from a Meter Works Request

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CRID 148 Meter Works cannot be an implied energisation

CRID 151 Removal of need for message 030 when meter works required as a result of a change to Meter Point characteristics

CRID 152 Read Type EF

CRID 154 Removal of need for messages 106D and 106E when meters are removed, exchanged or installed.

DR 1110/CRID163 – Updates to ES NI Market Message Implementation Guides and Retail Market Procedures

MCR 1108 – Update description and usage of Delay Reason Code DE01 on 130D in NI

DR1116/CRID 166 – Updates to Enduring Solution NI Market Documentation

DR1118\_CRID167 – Updates to Enduring Solution NI Market Documentation

DR1132\_CRID177\_Updates to NI Baseline Retail Market Documentation

DR1123\_CRID170 – TCC field Validation on 017 re-energisation

### 1.6 Outstanding Issues

None

### 2 METER WORKS MESSAGE GROUP

#### 2.1 Scope and Business Context

The grouping of messages in this guide relate to the communication of requests for and changes to Metering and Metering related details at Meter Points between Registered Suppliers and NIE Networks. These can be subdivided into the following main types of change:

- Requests for and updates too Meter Point Status for Non-Interval and Interval metering
  - Messages 017, 306, 306W, 307, 307W, 106D, 106E.
- Requests for Meter Works at a meter location
  - Message 030
- Notification of delays and rejections to Meter Works, Energisation and De-energisation requests and appointment time slot rejections
  - Messages 117D, 117R, 130D, 130R and 137R.
- Notifications and withdrawals of Non-Interval Meter Technical details (Including readings)
  - Messages 332 and 332W
- Notification of Profile Meter Technical Details (Interval Metering)
  - Message 331
- Notification of proposed and actual changes to Meter Point Characteristics
  - Messages 301 and 301N.
- Notification of Meter problems, damage and tampering and resolution of the same
  - Messages 260, 261 and 311
- Notification of Works Status
  - Message 131.

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### 2.2 Message Usage Summary

The following table provides a trigger list for each message described in this document, detailing when it is to be used.

Message	Title	Sender	Recipient	Trigger	Predecessor
017	Meter Point Status Change Request	Supplier	NIE Networks	Supplier wishes to request an Energisation or De-energisation at a Meter Point to which they are registered as Supplier. (Supplier can also request a COLE on this message)	none
030	Meter Works Request	Supplier	NIE Networks	Supplier wishes to request Meter Works at a Meter Point to which they are registered as Supplier	none
106D	Meter Point Status Change Confirmation – De-energisation	NIE Networks	Supplier	NIE Networks confirms a change in energisation status from Energised to De-energised for an Interval Meter Point. This can be the result of a Supplier request or onsite safety work by NIE Networks.	017 or none
106E	Meter Point Status Change Confirmation – Energisation	NIE Networks	Supplier	NIE Networks confirms a change in energisation status from De-energised to Energised for an Interval Meter Point. This can be the result of a Supplier request or onsite safety work by NIE Networks.	017 or none
117D	Change in Energisation Status Delay	NIE Networks	Supplier	NIE Networks wishes to delay the change in energisation status requested by Supplier for a specific reason.	017
117R	Meter Point Status Request Rejection	NIE Networks	Supplier	NIE Networks wishes to reject the change in energisation status requested by Supplier for a specific reason.	017
130D	Meter Works Request Delayed	NIE Networks	Supplier	NIE Networks wishes to delay the request for Meter Works by Supplier for a specific reason.	030
130R	Meter Works Request Rejection	NIE Networks	Supplier	NIE Networks wishes to reject the request for Meter Works by Supplier for a specific reason.	030
131	Fieldwork Status	NIE Networks	Supplier	NIE Networks notifies Supplier of status change on certain job types.	017, 030, 252, 260 or none.
137R	Appointment Rejection	NIE Networks	Supplier	NIE Networks automatically cancels the appointment booked (via the appointments website) by the Supplier because a subsequent 017, 030 or 252 containing the allocated appointment ID has not been received within the specified timeframe.	none
252	Request for Special Reading	Supplier	NIE Networks	Supplier requests a special reading to dispute a previous reading or for other purposes	None
260	Observation of Problem,	Supplier	NIE Networks	Supplier or their appointed Agent observes a problem, damage	None

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Message	Title	Sender	Recipient	Trigger	Predecessor
	Damage or Tampering			or tampering at a meter point to which they are the Supplier and notifies NIE Networks..	
261	Resolution of Problem, Damage or Tampering	NIE Networks	Supplier	NIE Networks have rectified problems, damage or tampering notified to them by the Registered Supplier on a 260 or notified to Supplier previously on a 311.	260 or 311
301	Meter Point Characteristics	NIE Networks	Supplier	NIE Networks make changes to the connection characteristics at a Meter Point as a result of a new connection agreement or NIE Networks initiated changes to connection characteristics.	None
301N	Proposed Meter Point Characteristics	NIE Networks	Supplier	NIE Networks notifies Supplier of proposed changes to the connection characteristics at a Meter Point as a result of a quotation for an increased / decreased connection.	None
306	Meter Point Status Change Confirmation – De-energisation	NIE Networks	Supplier	NIE Networks confirms a change in energisation status from Energised to De-energised for a metered Non-Interval Meter Point. This can be the result of a Supplier request or occasionally as a result of onsite safety work by NIE Networks.	017 or none
306W	Meter Point Status Change Confirmation – De-energisation – Withdrawn Read	NIE Networks	Supplier	NIE Networks withdraws Non-Interval reads provided previously on a 306.	306
307	Meter Point Status Change Confirmation – Energisation	NIE Networks	Supplier	NIE Networks confirms a change in energisation status from De-energised to Energised for a metered Non-Interval Meter Point. This can be the result of a Supplier request or occasionally as a result of onsite safety work by NIE Networks.	017 or none
307W	Meter Point Status Change Confirmation – Energisation– Withdrawn Read	NIE Networks	Supplier	NIE Networks withdraws Non-Interval reads provided previously on a 307.	307
311	Meter Problems	NIE Networks	Supplier	NIE Networks finds problems at a meter point and notifies the Supplier registered to the meter point of those problems.	None
331	Profile Meter Technical Details	NIE Networks	Supplier	Completion of meter works at a Meter Point involving Interval Metering (Removals, installs or exchanges).	030 or none
332	Non-Interval Meter Technical Details	NIE Networks	Supplier	NIE Networks provides confirmation of metered Non-Interval meter changes (Including Final and start reads if appropriate) to the Supplier registered to the Meter Point.	030 or none

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Message	Title	Sender	Recipient	Trigger	Predecessor
332W	Non-Interval Meter Technical Details – Withdrawn Read	NIE Networks	Supplier	NIE Networks withdraws readings provided previously on a 332 message.	332
352R	Special Reading Request Rejection	NIE Networks	Supplier	NIE Networks rejects a request for special reading.	252

### 3 MESSAGE DIRECTORY – SUPPLIER TO NIE NETWORKS

#### 3.1 017 Meter Point Status Change Request

##### 3.1.1 Purpose / Description of message

The 017 message is sent by a Supplier to NIE Networks to request a change of energisation status at a Meter Point to which they are the Registered Supplier.

The following changes can be requested on this message:

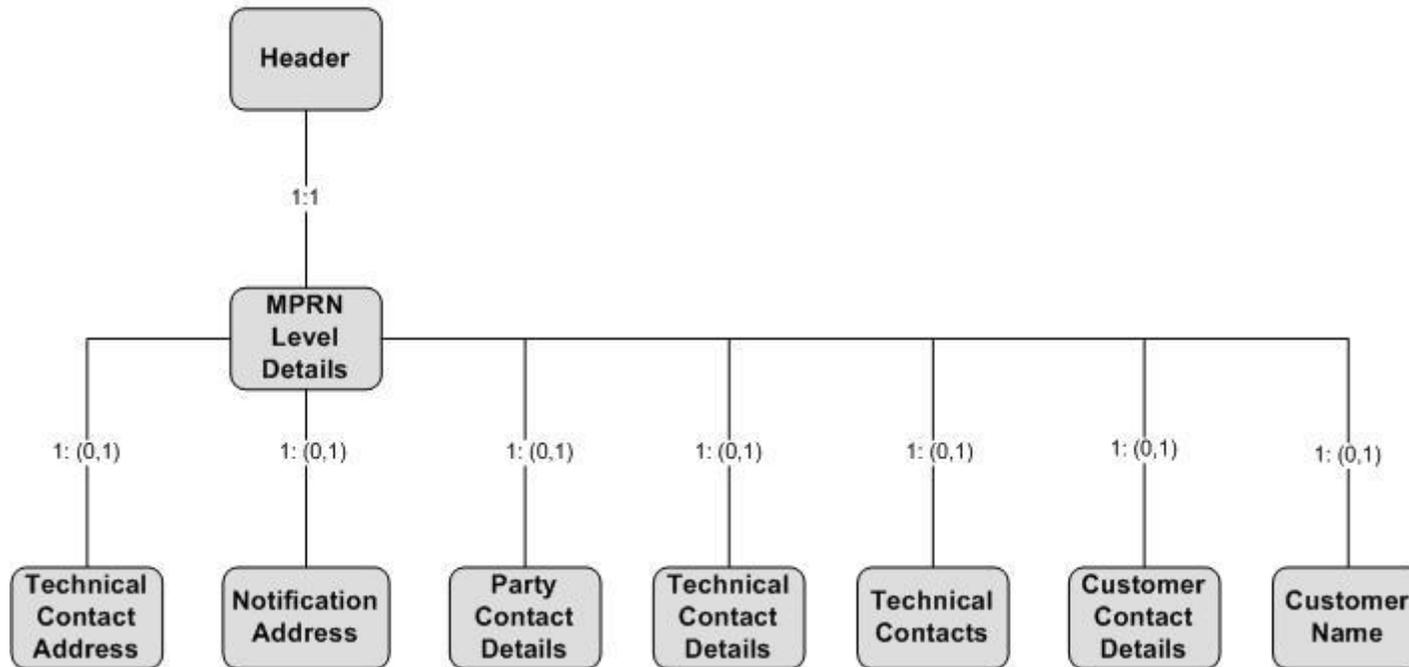
- Requests to energise a Meter point
- Requests to de-energise a Meter point
- Requests to carry out a Change of Tenancy / Legal Entity and energise the metering at a Meter Point.

Message 017 is used in the following Market Processes:

Process Number and Title	Use of Message
MP NI 9 De-Energisation	De-energisation - to request a change of energisation status at a meter point to 'D'.
MP NI 10 De-Energisation	Re-energisation - to request a change of energisation status at a meter point to 'E'.

3.1.2 Data hierarchy diagram

017 Message



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### 3.1.3 Message Structure

Segment and Field Level Identifier – 017 Message			Rpt	Optionality	Description / Purpose and composition instructions
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1 MPRN Level Details			1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.
2	SEG	Customer Name	1	See Description	<p>The customer with whom the Supplier has concluded an agreement to supply electricity. This segment must be provided for a re-energisation where Change of Tenant / Legal Entity is set to ‘true’.</p> <p>Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.</p>
2	SEG	Customer Contact Details	1	See Description	<p>A set of details enabling the customer to be contacted for this fieldwork only.</p> <p>This segment must be provided if Change of Tenant / Legal Entity is set to ‘true’. It is otherwise optional and if omitted NIE Networks will use the Technical Contact or Customer Contact details currently held by NIE Networks.</p> <p>If Change of Tenant / Legal Entity is set to ‘true’ then this will be stored as the Customer Contact for the Meter Point. Otherwise the data will be used for this item of work only.</p> <p>Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.</p>
2	SEG	Notification Address	1	See Description	<p>An address that NIE Networks can use to correspond with the customer for this fieldwork only.</p> <p>This segment may be optionally provided only if Change of Tenant / Legal Entity is set to ‘true’.</p> <p>If Change of Tenant / Legal Entity is set to ‘true’ then this will be stored as the Notification Address of the Meter Point.</p> <p>Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.</p>

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Segment and Field Level Identifier – 017 Message			Rpt	Optionality	Description / Purpose and composition instructions												
2	FLD	Meter Point Status	1	Mandatory	Meter Point Status on a 017 message is a code to identify the requested connection status of a meter point. This must be set to code values of either <b>E</b> – Energised or <b>D</b> – De-energised. Meter Point Status should be in alignment with Meter Point Status Reason and not the existing status at the Meter Point.												
2	FLD	Meter Point Status Reason	1	Mandatory	<p>Meter Point Status Reason is a code to indicate why the status of a Meter Point is being requested to be changed. The allowed code values for this message are as follows:</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td><b>E01</b></td> <td>Re-energise (Not NPA related)</td> </tr> <tr> <td><b>E02</b></td> <td>Re-energise (NPA related)</td> </tr> <tr> <td><b>E04</b></td> <td>Re-energise (Rewire)</td> </tr> <tr> <td><b>D01</b></td> <td>De-energise (Not NPA related)</td> </tr> <tr> <td><b>D02</b></td> <td>De-energise (NPA related)</td> </tr> </tbody> </table>	Code	Description	<b>E01</b>	Re-energise (Not NPA related)	<b>E02</b>	Re-energise (NPA related)	<b>E04</b>	Re-energise (Rewire)	<b>D01</b>	De-energise (Not NPA related)	<b>D02</b>	De-energise (NPA related)
Code	Description																
<b>E01</b>	Re-energise (Not NPA related)																
<b>E02</b>	Re-energise (NPA related)																
<b>E04</b>	Re-energise (Rewire)																
<b>D01</b>	De-energise (Not NPA related)																
<b>D02</b>	De-energise (NPA related)																
2	FLD	Supplier ID	1	Mandatory	Supplier ID is the identification code of a Supplier. This must be the Supplier to whom the Meter Point is registered.												
2	FLD	Supply Agreement (Flag)	1	See Description	<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 customer at the Meter Point</li> </ul>												
2	SEG	Party Contact Details	1	See Description	<p>Details enabling the Supplier to be contacted in the event of a query with the Meter Point Status Change Request.</p> <p>Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.</p>												
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>												

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Segment and Field Level Identifier – 017 Message			Rpt	Optionality	Description / Purpose and composition instructions				
2	FLD	Request Status	1	Mandatory	<p>This item defines the status of the request being made in the message. This must be set to either</p> <ul style="list-style-type: none"> <li>• <b>I</b> – initiate, or</li> <li>• <b>W</b> - withdrawn.</li> </ul> <p>Request status should only be set to <b>W</b> where a previous 017 has been sent and the Supplier wishes to cancel that instruction. 017 withdrawn messages should mirror the data sent on the initiating 017 in all other respects including the Market Participant Business Reference Number.</p>				
2	FLD	Appointment Date	1	Optional	<p>An appointment cannot be booked by the Supplier via the appointments website for non-SOSA fieldwork (Sites that have a MIC of <math>\geq 70</math> KVA are classified as Non-SOSA, this includes all sites with Interval metering) <b>or</b> where the Meter Point Status Change Request is for one of the following:</p> <table border="1"> <tr> <td><b>E02</b></td> <td>Re-energise (NPA related)</td> </tr> <tr> <td><b>D02</b></td> <td>De-energise (NPA related)</td> </tr> </table> <p>Where this is the case for E02 then NIE Networks will book an appointment directly with the customer.</p> <p>Where the Supplier has booked an appointment for the fieldwork, and provides the Appointment ID in the 017 message, this field is not required.</p> <p>Where the Supplier cannot book an appointment for the fieldwork, and no Appointment ID has been provided in the 017 message, this field should contain the date on which a Supplier requests an appointment to be made with the customer by NIE Networks.</p>	<b>E02</b>	Re-energise (NPA related)	<b>D02</b>	De-energise (NPA related)
<b>E02</b>	Re-energise (NPA related)								
<b>D02</b>	De-energise (NPA related)								
2	FLD	Appointment Time Slot	1	Optional	Not used in Northern Ireland.				
2	FLD	Access Arrangements	1	Mandatory	Access Arrangements are the arrangements provided by a customer specific to a particular request for work. Suppliers should provide as much detail as possible here so as to improve the chances of gaining access to carry out the requested work.				
2	FLD	Access Instructions	1	Optional	Access Instructions is text for standing instructions for NIE Networks access to the metering. This field should only be provided by Suppliers where they are creating new access instructions at a Change of Tenancy/Legal Entity.				
2	FLD	Economic Activity Indicator	1	Optional	A code indicating the type of activity undertaken by the customer in the premises.				

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Segment and Field Level Identifier – 017 Message			Rpt	Optionality	Description / Purpose and composition instructions	
					<p>The code is selected from the SIC codes provided by NIE Networks.</p> <p>This item should only be provided by Suppliers where Change of Tenant / Legal Entity is set to 'true'.</p>	
2	SEG	Technical Contacts	1	See Description	<p>A set of details enabling the technical representative for a customer to be contacted for this fieldwork only.</p> <p>This segment may be optionally provided where Change of Tenant / Legal Entity is set to 'true'.</p> <p>If Change of Tenant / Legal Entity is set to 'True' then this will be stored as the Technical Contact for the Meter Point.</p>	
	3	FLD	Contact Name (Technical)	1	See Description	<p>This is the name of a person available for contacting. This field must be provided where Technical contact details are being provided at a Change of Tenancy/Legal Entity.</p>
	3	FLD	Company Authorised Officer	1	Optional	<p>Not Used in NI.</p> <p>This is a person authorised by a company to sign connection agreements. This item must be sent if the message includes a Change of Tenancy/Legal Entity and involves a company / organisation moving into the premises and it is known by the Supplier.</p>
2	SEG	Technical Contact Details	1	See Description	<p>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 at a Change of Tenancy/Legal Entity.</p>	
	3	FLD	Phone number 1	1	See Description	<p>This is the principal phone number of a Technical contact and must be populated if known by the Supplier.</p>
	3	FLD	Phone Ext1	1	See Description	<p>This is the principal phone number overflow field for storing number extensions where applicable.</p>
	3	FLD	Phone number 2	1	Optional	<p>This field can be used for the secondary phone number where this is required.</p>
	3	FLD	Phone Ext2	1	Optional	<p>This is the secondary phone number overflow field for storing number extensions where applicable.</p>
	3	FLD	Fax	1	Optional	<p>This field is intended to store a Fax telephone number where applicable.</p>
	3	FLD	Fax Ext	1	Optional	<p>This field is intended to store a Fax extension telephone number where</p>

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Segment and Field Level Identifier – 017 Message			Rpt	Optionality	Description / Purpose and composition instructions
					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 Description	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.
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	Post code	1	Optional	This is the postal or Zip code given as part of address where appropriate
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 Description	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 Description	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.
2	FLD	Medical Equipment Special Needs Details	1	See Description	A code to indicate medical equipment existing at the Meter Point. This item must be provided by Suppliers where they are notifying a Change of Tenancy/Legal Entity and the customer moving in has Medical Equipment

## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier – 017 Message			Rpt	Optionality	Description / Purpose and composition instructions
					<p>Special Needs.</p> <p>The code may take the following values:</p> <ul style="list-style-type: none"> <li>• CL – Electric Chair Lift</li> <li>• EH – Electric Hoist</li> <li>• EM – Electric Mattress/Bed</li> <li>• FR – Vital Medicine Requiring Refrigeration</li> <li>• HD – Home Dialysis</li> <li>• MS – Multiple Sclerosis</li> <li>• NB – Nebuliser</li> <li>• NP – Peg Tube Feeding Pump</li> <li>• OC – Oxygen Concentrator</li> <li>• PN – Total Parental Nutrition Machine</li> <li>• PV - Patient Vital Signs Monitoring</li> <li>• SL – Electric Pressure Stair Lift</li> <li>• SP – Suction Pump</li> <li>• VT - Ventilator</li> </ul>
2	FLD	Display on Extranet	1	Optional	Not used in Northern Ireland
2	SEG	Customer Service Special Needs	0:N	Optional	An instance of this segment is provided for each applicable Customer Service Special Needs code
3	FLD	Customer Service Special Need Code	1	Mandatory	<p>A code indicating the type of special requirement that a customer has. This item must be provided by Suppliers where they are adding or changing these details. The allowed values to be used by Suppliers are as follows:</p> <ul style="list-style-type: none"> <li>• 0001 – Visually Impaired</li> <li>• 0002 – Speech Impaired</li> <li>• 0003 – Hearing Impaired</li> <li>• 0004 – Elderly</li> <li>• 0005 – Language Difficulty</li> <li>• 0006 – Learning Difficulty</li> <li>• 0007 – Mobility Impaired</li> <li>• 0008- Dexterity Impaired</li> </ul>
2	FLD	Market Participant Business Reference	1	Mandatory	This is the Supplier's number given as reference in the request. This will be used in future contact with Suppliers to reference the request. Where a message is sent to withdraw a request then the reference number provided on the initiating and withdrawing request must be the same.

## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier – 017 Message			Rpt	Optionality	Description / Purpose and composition instructions				
2	FLD	Required Date	1	Optional	This field should be used to indicate the date of Change of Tenancy / Legal Entity where Change of Tenant / Legal Entity is set to 'true'.				
2	FLD	Tariff Configuration Code	1	Optional	A code to indicate the tariff (or rate category) required by the Supplier for a key-pad metered Meter Point where the tariff is to be changed on energisation. TCC is mandatory when requesting re-energisation of a prepayment meter.				
2	FLD	Appointment ID	1	Optional	<p>An appointment must be booked by the Supplier via the appointments website for SOSA fieldwork (sites that have a MIC of less than 70 kVA with Non-Interval metering are classified as SOSA) where the Meter Point Status Change Request is for one of the following:</p> <table border="1"> <tr> <td><b>E01</b></td> <td>Re-energise (Not NPA related)</td> </tr> <tr> <td><b>D01</b></td> <td>De-energise (Not NPA related)</td> </tr> </table> <p>Each booked appointment slot is allocated a unique Appointment ID.</p> <p>Where an appointment has been booked, the Appointment ID must be provided with the Meter Point Status Change request so that the request and the appointment can be matched by NIE Networks.</p>	<b>E01</b>	Re-energise (Not NPA related)	<b>D01</b>	De-energise (Not NPA related)
<b>E01</b>	Re-energise (Not NPA related)								
<b>D01</b>	De-energise (Not NPA related)								

## NI Market Message Implementation Guide – Meter Works

### 3.1.4 Field Validation Rules:

Segment and Field Level Identifier – 017 Message			Validation
1	Message Header		<i>Refer to common data segments document</i>
1	MPRN Level Details		
2	FLD	MPRN	<p>Message will fail validation if</p> <ul style="list-style-type: none"> <li>• The full MPRN is not provided</li> <li>• The MPRN does not exist</li> <li>• The MPRN is not registered to the Supplier (see Supplier ID validation)</li> <li>• The MPRN is in a Terminated state</li> </ul>
2	SEG	Customer Name	<p>Customer name is only required for re-energisation with CoLE flag set to ‘true’ – irrespective of site voltage. For HV connections NIE Networks will check for a change of Customer Name and ensure that there is a current Connection Agreement prior to any energisation.</p> <p>If there is no current Connection Agreement in place, fieldwork will be delayed until one is put in place – notified by 117D.</p>
2	SEG	Customer Contact Details	Message will fail validation if this segment is not provided for a re-energisation when Change of Tenant / Legal Entity is set to ‘true’.
2	SEG	Notification Address	No individual validation at Segment level.
2	FLD	Meter Point Status	<p>This must be set to code values of either <b>E</b> – Energised or <b>D</b> – De-energised. The status requested here is checked against the current status held for the meter point.</p> <ul style="list-style-type: none"> <li>• Where the requested status is E and the current status in NIE Networks’ systems is also E the message will not fail validation.</li> <li>• Where the requested status is D and the current status in NIE Networks’ systems is also D the message will fail validation generating an 117R.</li> </ul>
2	FLD	Meter Point Status Reason	<p>Message will fail validation if</p> <ul style="list-style-type: none"> <li>• Meter Point Status Reason does not match one of the valid statuses for this code; or</li> <li>• The Current Meter Point status held by NIE Networks is <b>D</b> and one of following codes is provided: <ul style="list-style-type: none"> <li>• <b>D01</b></li> <li>• <b>D02</b></li> </ul> </li> </ul>
2	FLD	Supplier ID	<p>Message will fail validation if</p> <ul style="list-style-type: none"> <li>• A valid Supplier ID is not provided.</li> <li>• The Meter Point is not registered to the provided Supplier ID.</li> </ul>
2	FLD	Supply Agreement (Flag)	<p>NIE Networks will validate that Supply Agreement is set to ‘True’ where an energisation is requested or where there is a Change of Tenancy / Legal Entity.</p> <p>NIE Networks will validate that Supply Agreement is set to ‘False’ where a de-energisation is</p>

## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier – 017 Message			Validation	
			requested for a residential customer.	
2	SEG	Party Contact Details	No validation of this segment but where phone numbers are provided they should be full numbers including the code, with no spaces and should be able to be dialled from NI with no alteration.	
2	FLD	Change of Tenant / Legal Entity	For HV connections NIE Networks will check for a Change of Tenancy / Legal Entity and ensure that there is a current Connection Agreement prior to any energisation.	
2	FLD	Request Status	Message will fail validation if item is not set to either <b>I</b> - initiate or <b>W</b> - withdrawn. Request status should only be set to <b>W</b> where a previous 017 has been sent and Supplier wishes to cancel that instruction. If the fields listed below cannot be matched for an Initiated and Withdrawn request on receipt of a withdraw 017 this will be rejected: <ul style="list-style-type: none"> <li>• MPRN,</li> <li>• MP Business Reference</li> <li>• Appointment ID</li> <li>• Meter Point Status</li> </ul>	
2	FLD	Appointment Date	Not validated by NIE Networks.	
2	FLD	Appointment Time Slot	Not validated by NIE Networks.	
2	FLD	Access Instructions	This field is ignored if there is no Change of Tenancy / Legal Entity.	
2	FLD	Access Arrangements	The message will fail validation where this field is blank.	
2	FLD	Economic Activity Indicator	This field is ignored if there is no Change of Tenancy / Legal Entity or if it does not match one of the allowed values.	
2	SEG	Technical Contacts	This segment is ignored if there is no Change of Tenancy / Legal Entity.	
	3	FLD	Technical Contact Name	No individual validation of this field.
	3	FLD	Company Authorised Officer	No individual validation of this field.
2	SEG	Technical Contact Details	This segment is ignored if there is no Change of Tenancy / Legal Entity. No individual validation of this segment but where phone numbers provided they should be full telephone numbers including the code, with no spaces and should be able to be dialled from NI with no alterations.	
	3	FLD	Phone number 1	No individual validation of this field.
	3	FLD	Phone Ext1	No individual validation of this field.
	3	FLD	Phone number 2	No individual validation of this field.
	3	FLD	Phone Ext2	No individual validation of this field.
	3	FLD	Email	No individual validation of this field.
	3	FLD	Fax	No individual validation of this field.
	3	FLD	Fax Ext	No individual validation of this field.
2	SEG	Street Type Address (Technical contact)	No individual validation at segment level.	
	3	FLD	C/O Name	No individual validation of this field.

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Segment and Field Level Identifier – 017 Message			Validation
3	FLD	Unit No.	No individual validation of this field.
3	FLD	Addr Line 1	No individual validation of this field.
3	FLD	Addr Line 2	No individual validation of this field.
3	FLD	House No.	No individual validation of this field.
3	FLD	Street	Message will fail validation where the segment is provided and this field is omitted.
3	FLD	Addr Line 4	No individual validation of this field.
3	FLD	Addr Line 5	No individual validation of this field.
3	FLD	Postal Code	No individual validation of this field.
3	FLD	City	No individual validation of this field.
3	FLD	County - Ireland	Message will fail validation if item does not match one of the valid codes where provided.
3	FLD	County / State	No individual validation of this field.
3	FLD	Country	Message will fail validation if this item is omitted or does not match one of the valid codes where the segment is provided
2	FLD	Medical Equipment Special Needs Details	Where Change of Tenant / Legal Entity is set to 'true', the message will fail validation if item does not match one of the valid codes where provided.
2	FLD	Display on Extranet	Not used in NI. Not validated by NIE Networks.
2	SEG	Customer Service Special Needs Details	
3	FLD	Customer Service Special Need Code	The message will fail validation if item does not match one of the valid codes where provided.
2	FLD	Market Participant Business Reference	Message will fail validation if this item is not provided. Where a message is sent to withdraw a request then the reference number provided on the initiating and withdrawing request must be the same.
2	FLD	Required Date	Not validated by NIE Networks.
2	FLD	Tariff Configuration Code	Message will fail validation if: <ul style="list-style-type: none"> <li>• The code does not match one of the valid codes where provided</li> <li>• The code is not requestable by the Supplier.</li> <li>• The code is not consistent with the current Meter Configuration Code</li> <li>• The code is not provided when requesting re-energisation of a prepayment meter; generating a 117R.</li> </ul>
2	FLD	Appointment ID	Message will fail validation where: <ul style="list-style-type: none"> <li>• An appointment must be booked via the appointments website and an Appointment ID is not provided</li> <li>• An Appointment ID is provided when an appointment booking is not required</li> <li>• The Appointment ID is invalid and does not match any existing pending appointment ID booked via the appointments website</li> <li>• The Appointment ID is associated with an appointment for an MPRN other than that</li> </ul>

## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier – 017 Message			Validation
			<p>referenced in the 017 message</p> <ul style="list-style-type: none"> <li>• The Work Type assigned to the associated Appointment is inconsistent with the requested fieldwork (for SOSA fieldwork)</li> <li>• The Appointment ID has previously been received by NIE Networks on another message. There is one exception to this as follows: <ul style="list-style-type: none"> <li>• An 017 <b>I</b> – Initiate request and an 017 <b>W</b> - Withdraw request may contain the same Appointment ID.</li> </ul> </li> </ul>

### 3.2 030 Meter Works Request

#### 3.2.1 Purpose / Description of message

The 030 message is sent by Supplier to NIE Networks to request Meter Works at a Meter Point to which they are the Registered Supplier.

The following types of Meter Works can be requested on this message:

- Change a Keypad meter configuration (site visit or non-site visit)
- Investigate Keypad metering
- Replace a Non-Interval Credit meter with a Keypad meter
- Forced replacement of a Non-Interval Credit meter with a Keypad meter
- Reconfigure a meter to function as a Keypad meter
- Change a Non-Interval Credit meter configuration
- Fit a Check Meter
- Investigate a damaged meter (Non RPU)
- Investigation of premise where heating is not working
- Install Interval Metering and Communications
- Replace a Keypad meter with Non-Interval Credit meter
- Reconfigure a meter to function as a Non-Interval Credit meter
- Investigate a Keypad meter with large minus credit

## NI Market Message Implementation Guide – Meter Works

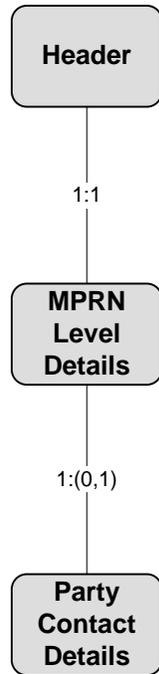
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Message 030 is used in the following Market Processes:

<b>Process Number and Title</b>	<b>Use of Message</b>
MP NI 11 Changes to Meter Configuration	To request a change of meter configuration.
MP NI 12 Meter Problems and Damage,	To Report an Urgent Meter Problem
MP NI 12 Meter Enquiries and Complaints	To Request Fitting of a Check Meter
MP NI 35 Changes of Metering – Non Interval to Interval	To request a change of metering from Non-Interval to Interval.

**3.2.2 Data Hierarchy Diagram**

030 Message



## NI Market Message Implementation Guide – Meter Works

### 3.2.3 Message Structure

Segment and Field Level Identifier – 030 Message			Rpt	Optionality	Description / Purpose and composition instructions																						
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.																						
1 MPRN Level Details			1	Mandatory																							
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.																						
2	FLD	Market Participant Business Reference	1	Mandatory	This is the Supplier's own internal reference number for the request. This will be used in related response messages to the Supplier to reference the original request.																						
2	FLD	Token Meter Details	1	See description	Not used in Northern Ireland.																						
2	FLD	Meter Works Type	1	Mandatory	<p>Meter Works Type is a code to indicate what work is required. Suppliers must use a code from the list of permitted NIE Networks Meter Works types below:</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td><b>M01</b></td> <td>MCC Change (NI), Non-Keypad)</td> </tr> <tr> <td><b>M04</b></td> <td>Install Interval Metering and Communications</td> </tr> <tr> <td><b>M11</b></td> <td>General Meter Damage (non RPU)</td> </tr> <tr> <td><b>M12</b></td> <td>Change from Prepayment to Credit</td> </tr> <tr> <td><b>M14</b></td> <td>Fit Check Meter</td> </tr> <tr> <td><b>M15</b></td> <td>Heating not working</td> </tr> <tr> <td><b>K02</b></td> <td>Prepayment meter, configuration code change</td> </tr> <tr> <td><b>K05</b></td> <td>Change from Credit to Prepayment</td> </tr> <tr> <td><b>K06</b></td> <td>Forced replacement of credit meter with prepayment meter</td> </tr> <tr> <td><b>K08</b></td> <td>Keypad meter with large minus credit</td> </tr> </tbody> </table>	Code	Description	<b>M01</b>	MCC Change (NI), Non-Keypad)	<b>M04</b>	Install Interval Metering and Communications	<b>M11</b>	General Meter Damage (non RPU)	<b>M12</b>	Change from Prepayment to Credit	<b>M14</b>	Fit Check Meter	<b>M15</b>	Heating not working	<b>K02</b>	Prepayment meter, configuration code change	<b>K05</b>	Change from Credit to Prepayment	<b>K06</b>	Forced replacement of credit meter with prepayment meter	<b>K08</b>	Keypad meter with large minus credit
Code	Description																										
<b>M01</b>	MCC Change (NI), Non-Keypad)																										
<b>M04</b>	Install Interval Metering and Communications																										
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<b>K02</b>	Prepayment meter, configuration code change																										
<b>K05</b>	Change from Credit to Prepayment																										
<b>K06</b>	Forced replacement of credit meter with prepayment meter																										
<b>K08</b>	Keypad meter with large minus credit																										

## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier – 030 Message			Rpt	Optionality	Description / Purpose and composition instructions
2	FLD	Meter Configuration Code	1	See description	<p>A code to indicate the metering functionality that the Supplier requires to be delivered by the metering installed at a Meter Point.</p> <p>It must be provided if Meter Works Type Code is set to K02, K05, K06, M01, M04 or M12. It must not otherwise be specified</p> <p>The code must be one that is permitted for Supplier request and allowable for Meter Point characteristics and the current usage type.</p> <p>Refer to the Data Codes published by NIE Networks for the full list of allowable Meter Configuration Codes on a 030.</p>
2	FLD	Supplier ID	1	Mandatory	<p>Supplier ID is the identification code of the Supplier. This must be the Supplier to whom the Meter Point is registered.</p>
2	SEG	Party Contact Details	1	See description	<p>Details enabling the Supplier to be contacted in the event of a query with the work instruction.</p> <p>Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.</p>
2	FLD	Request Status	1	Mandatory	<p>An indicator that a request is either being initiated or withdrawn.</p> <p>The Request Status must be set to one of the following:</p> <ul style="list-style-type: none"> <li>• I – Initiate the request, or</li> <li>• W- Withdraw the request.</li> </ul> <p>Request status should only be set to <b>W</b> where a previous 030 has been sent and the Supplier wishes to cancel that instruction.</p> <p>030 Withdraw messages should mirror the data sent on the initiating 030. The data in the following fields <b>must</b> be the same in both messages:</p> <ul style="list-style-type: none"> <li>• MPRN</li> <li>• MP Business Reference</li> <li>• Appointment ID (if applicable)</li> <li>• Meter Works Type</li> </ul>

## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier – 030 Message			Rpt	Optionality	Description / Purpose and composition instructions
2	FLD	Appointment Date	1	See description	<p>An appointment cannot be booked via the website for non-SOSA Meter Works as it must be scheduled by NIE Networks. (Sites that have a MIC of <math>\geq 70</math> KVA are classified as non-SOSA - this includes all sites with Interval metering)</p> <p>Where the Supplier has booked an appointment for the Fieldwork, and provides the Appointment ID in the 030, this field is not required.</p> <p>Where the Supplier cannot book an appointment for the Fieldwork, and no Appointment ID has been provided in the 030 message, this field should contain the date on which a Supplier requests an appointment to be made with the customer by NIE Networks.</p>
2	FLD	Appointment Time Slot	1	Optional	Not used in Northern Ireland.
2	FLD	Access Arrangements	1	Mandatory	<p>Access arrangements are the arrangements provided by a customer specific to a particular request for work. Suppliers should provide as much detail as possible here so as to improve the chances of gaining access to carry out the requested work.</p> <p>When Meter Work Type is set to K08, M11 or M15 this field should also be used to provide details of the problem.</p>
2	FLD	Tariff Configuration Code	1	See description	<p>A code to indicate the tariff (or rate category) functionality that the Supplier requires to be delivered by Keypad metering installed at a Meter Point.</p> <p>It must be provided if Meter Works Type Code is set to K02, K05 or K06. It is not otherwise required.</p> <p>The code must be one that is permitted for Supplier request</p>
2	FLD	Appointment ID	1	See description	<p>An appointment must be booked by the Supplier via the appointments website for SOSA Fieldwork. (Sites that have a MIC of less than 70 KVA with Non-Interval metering are classified as SOSA)</p> <p>Each booked appointment slot is allocated a unique Appointment ID.</p> <p>Where an appointment has been booked, the Appointment ID must be provided with the Meter Works request so that the request and the</p>

## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier – 030 Message			Rpt	Optionality	Description / Purpose and composition instructions
2	FLD	Prepayment Type	1	Optional	<p>appointment can be matched by NIE Networks.</p> <p>This field has been added for future proofing and does not need to be populated to indicate the Prepayment Type to be installed when a prepayment facility is requested. Therefore, it does not need to be provided if Meter Works Type Code is set to K05.</p> <p>The valid value is as follows:</p> <ul style="list-style-type: none"> <li>• <b>P01</b></li> </ul>

### 3.2.4 Field Validation Rules:

Segment and Field Level Identifier – 030 Message			Validation
1 Message Header			Refer to <i>Common Data Segments</i> document
1 MPRN Level Details			
2	FLD	MPRN	<p>Message will fail validation if</p> <ul style="list-style-type: none"> <li>• The full MPRN is not provided</li> <li>• The MPRN does not exist</li> <li>• The MPRN is not registered to the Supplier (see Supplier ID validation)</li> <li>• The MPRN is in a Terminated or De-energised state</li> </ul>
2	FLD	Market Participant Business Reference	<p>Message will fail validation if this reference number is not provided.</p> <p>Where a message is sent to withdraw a request then the reference number provided on the initiating and withdrawing request must be the same.</p>
2	FLD	Token Meter Details	Not validated by NIE Networks.
2	FLD	Meter Works Type	<p>Message will fail validation if</p> <ul style="list-style-type: none"> <li>• The provided Meter Works Type code is not valid, as per the agreed list for this field</li> <li>• There is a pending Change of Supplier registration and the Meter Work Type is for a change of Meter Configuration</li> <li>• The request is logically inconsistent with the current meter configuration status</li> <li>• The Meter Works Type is inconsistent with the Work Type assigned to the associated Appointment (for SOSA fieldwork)</li> </ul>

## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier – 030 Message			Validation
2	FLD	Meter Configuration Code	<p>Message will fail validation if:</p> <ul style="list-style-type: none"> <li>• Meter Works Type is set to K02, K05, K06, M01, M04 or M12 and a valid MCC code is not provided.</li> <li>• The MCC is specified for anything other than K02, K05, K06, M01, M04, M12.</li> <li>• The requested metering configuration is not consistent with the customer MIC or Usage Type</li> <li>• The code is not permitted to be requested by the Supplier</li> <li>• The requested MCC is the same as the existing MCC</li> </ul>
2	FLD	Supplier ID	<p>Message will fail validation if</p> <ul style="list-style-type: none"> <li>• A valid Supplier ID is not provided.</li> <li>• The Meter Point is not registered to the provided Supplier ID.</li> </ul>
2	SEG	Party Contact Details	Not validated by NIE Networks.
2	FLD	Request Status	<p>Message will fail validation if</p> <ul style="list-style-type: none"> <li>• This item is not populated with the value I = Initiate or W = Withdraw.</li> <li>• The Withdrawn request is for an initiated 030 that has already been despatched or completed and cannot be cancelled</li> <li>• For a Withdraw request, the data in the fields listed below does not match exactly with an existing Initiated request: <ul style="list-style-type: none"> <li>• MPRN</li> <li>• MP Business Reference</li> <li>• Appointment ID (if applicable)</li> <li>• Meter Works Type</li> </ul> </li> </ul>
2	FLD	Appointment Date	Not validated by NIE Networks.
2	FLD	Appointment Time Slot	Not validated by NIE Networks.
2	FLD	Access Arrangements	The message will fail validation if this field is left blank by the Supplier.
2	FLD	Tariff Configuration Code	<p>NIE Networks will validate the Tariff Configuration Code when the Meter Works Type requires a new, or change of, keypad meter configuration at the Meter Point.</p> <p>The message will fail validation if:</p> <ul style="list-style-type: none"> <li>• The code is not present for a change of Keypad meter configuration (Meter Works Type Code - K02, K05 or K06)</li> <li>• The code is not requestable by the Supplier</li> <li>• The code is not consistent with the required Meter Configuration Code</li> <li>• There is no change to the meter configuration</li> </ul>

## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier – 030 Message			Validation
2	FLD	Appointment ID	<p>Message will fail validation if</p> <ul style="list-style-type: none"> <li>• An Appointment ID is not provided when an appointment should be booked by the Supplier</li> <li>• An Appointment ID is provided when an appointment booking is not required</li> <li>• The Appointment ID is invalid and does not match any existing pending appointment ID booked via the appointments website</li> <li>• The Appointment ID is associated with an appointment for an MPRN other than that referenced in the 030 message</li> <li>• The Appointment ID has previously been received by NIE Networks on another message. There are two exceptions to this as follows: <ul style="list-style-type: none"> <li>• An 017 Meter Point Status Change Request and 030 Meter Works Request may contain the same Appointment ID, as a single appointment may be booked for a change of meter configuration and energisation of a de-energised site,</li> <li>• An 030 <b>I</b> – Initiate request and an 030<b>W</b> - Withdraw request may contain the same Appointment ID.</li> </ul> </li> </ul>
2	FLD	Prepayment Type	Not validated by NIE Networks.

### 3.3 [252 Request for Special Reading](#)

#### 3.3.1 Purpose and Description of Message

Message 252 is sent by a Supplier to NIE Networks to request a special reading.

A special reading may be sought for a variety of reasons including:

- An Old or New Supplier disputing of a Change of Supplier reading
- A registered Supplier obtaining a reading to be used at a Change of Tenancy

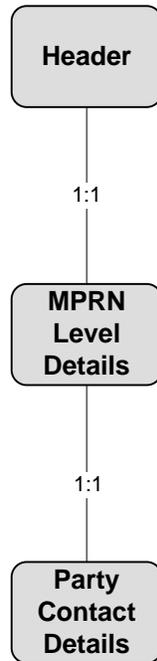
Message 252 can also be used by an Old or New Supplier to request an estimate to resolve a Change of Supplier reading dispute.

Message 252 is used in the following Market Processes:

Process Number and Title	Use of Message
MP NI 14 Readings Processing – Non Interval	To dispute a Change of Supplier reading.
MP NI 18 Special Read Requests	To request a special reading.

**3.3.2 Data Hierarchy Diagram**

252 Message



## NI Market Message Implementation Guide – Meter Works

### 3.3.3 Message Structure

Segment and Field Level Identifier – 252 Message			Rpt	Optionality	Description / Purpose and composition instructions
1	Message Header		1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1	MPRN Level Details		1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.
2	FLD	Market Participant Business Reference	1	Mandatory	This is the Supplier's own internal reference number for the request. This will be used in related response messages to the Supplier to reference the original request.
2	FLD	Supplier ID	1	Mandatory	Supplier ID is the identification code of the Supplier requesting the reading or estimate.
2	SEG	Party Contact Details	1	Optional	Details enabling the Supplier to be contacted in the event of a query with the work instruction.  Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
2	FLD	Read Type	1	Mandatory	A code that indicates the type of reading required.  The Read Type should be set to one of the following: <ul style="list-style-type: none"> <li>• <b>A</b> – denoting that an actual reading is required.</li> <li>• <b>E</b> - denoting that an estimated reading is required (for Change of Supplier only). This setting may only be used with a Read Reason of 04.</li> </ul>
2	FLD	Read Reason	1	Mandatory	A code that indicates the reason that the reading is required  The Read Reason must be set to one of the following: <ul style="list-style-type: none"> <li>• <b>04</b> – denoting that a special reading is required to dispute a previous reading .</li> <li>• <b>02</b> – denoting a chargeable special reading that is required for any reason other than a dispute.</li> </ul>
2	FLD	Request Status	1	Mandatory	An indicator that a request is either being initiated or withdrawn  The Request Status must be set to one of the following: <ul style="list-style-type: none"> <li>• <b>I</b> – Initiate the request</li> <li>• <b>W</b> – Withdraw the request</li> </ul>

## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier – 252 Message			Rpt	Optionality	Description / Purpose and composition instructions
					<p>Request status should only be set to <b>W</b> where a previous 252 has been sent and the Supplier wishes to cancel that instruction.</p> <p>252 Withdraw messages should mirror the data sent on the initiating 252. The data in the following fields <b>must</b> be the same in both messages:</p> <ul style="list-style-type: none"> <li>• MPRN</li> <li>• MP Business Reference</li> <li>• Appointment ID</li> <li>• Meter Works Type</li> </ul>
2	FLD	Required Date	1	Optional	Not used in Northern Ireland.
2	FLD	Access Arrangements	1	Optional	Access arrangements are the arrangements provided by a customer specific to a particular request for work. Suppliers should provide as much detail as possible here so as to improve the chances of gaining access to carry out the requested work, as visits that do not result in the collection of a reading may still be chargeable.
2	FLD	Appointment ID	1	See description	<p>An appointment must be booked by the Supplier via the appointments website for SOSA Fieldwork. (Sites that have a MIC of less than 70 KVA with Non-Interval metering are classified as SOSA).</p> <p>Each booked appointment slot is allocated a unique Appointment ID.</p> <p>Where an appointment has been booked, the Appointment ID must be provided with the Special Reading request so that the request and the appointment can be matched by NIE Networks.</p>

### 3.3.4 Specific Field Validation Rules:

Segment and Field Level Identifier – 252 Message			Validation
1	Message Header		Refer to <i>Common Data Segments</i> document
1	MPRN Level Information		
2	FLD	MPRN	<p>Message will fail validation if</p> <ul style="list-style-type: none"> <li>• The full MPRN is not provided</li> <li>• The MPRN does not exist</li> </ul>

## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier – 252 Message			Validation
			<ul style="list-style-type: none"> <li>The MPRN is in a Terminated state</li> <li>The MPRN is interval metered</li> <li>The MPRN is unmetered</li> <li>The MPRN is neither currently registered to the Supplier nor has it been registered to the Supplier as the immediate previous Supplier.</li> </ul>
2	FLD	Market Participant Business Reference	<p>Message will fail validation if this reference number is not provided.</p> <p>Where a message is sent to withdraw a request then the reference number provided on the initiating and withdrawing request must be the same.</p>
2	FLD	Supplier ID	<p>Message will fail validation if</p> <ul style="list-style-type: none"> <li>A valid Supplier ID is not provided.</li> <li>For Read Reason 02 <ul style="list-style-type: none"> <li>The provided Supplier ID is not the Supplier that the Meter Point is currently registered to.</li> </ul> </li> <li>For Read Reason 04 <ul style="list-style-type: none"> <li>The provided Supplier ID is not the Supplier that the Meter Point is currently registered to, nor is it the Supplier that was registered as the immediate previous Supplier.</li> </ul> </li> </ul>
2	SEG	Party Contact Details	Not validated by NIE Networks.
2	FLD	Read Type	<p>Message will fail validation if</p> <ul style="list-style-type: none"> <li>The Read Reason is 02 and the Read Type is not for an Actual Read.</li> </ul> <p>If the Read Reason is for a dispute (04) then the Read Type may be for an Actual Read or Estimate.</p>
2	FLD	Read Reason	<p>Message will fail validation if</p> <ul style="list-style-type: none"> <li>The Read Reason is not 02 or 04.</li> </ul>
2	FLD	Request Status	<p>Message will fail validation if</p> <ul style="list-style-type: none"> <li>This item is not populated with the value I = Initiate or W = Withdraw</li> <li>The Withdrawn request is for an initiated 252 that has already been despatched or completed and cannot be cancelled</li> <li>For a Withdraw request, the data in the fields listed below does not match exactly with an existing Initiated request: <ul style="list-style-type: none"> <li>MPRN</li> <li>MP Business Reference</li> <li>Appointment ID</li> <li>Read Type</li> <li>Read Reason</li> </ul> </li> </ul>
2	FLD	Required Date	Not validated by NIE Networks.

## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier – 252 Message			Validation
2	FLD	Access Arrangements	Not validated by NIE Networks
2	FLD	Appointment ID	<p>Message will fail validation if</p> <ul style="list-style-type: none"> <li>• An Appointment ID is not provided when an appointment booking is required</li> <li>• An Appointment ID is provided when an appointment booking is not required</li> <li>• The Appointment ID is invalid and does not match any existing pending appointment ID booked via the appointments website</li> <li>• The Appointment ID is associated with an appointment for an MPRN other than that referenced in the 252 message</li> <li>• The Work Type assigned to the associated Appointment is inconsistent with the requested fieldwork</li> <li>• The Appointment ID has previously been received by NIE Networks on another message. There is an exception to this as follows: <ul style="list-style-type: none"> <li>• A 252 <b>I</b> – Initiate request and a 252 <b>W</b> - Withdraw request may contain the same Appointment ID.</li> </ul> </li> </ul>

### 3.4 260 Observation of Problem, Damage or Tampering

#### 3.4.1 Purpose / Description of Message

The 260 Observation of problem, Damage or Tampering message allows the Supplier registered to the Meter Point to notify NIE Networks of problems identified at a Meter Point.

The following types of issues can be reported on this message:

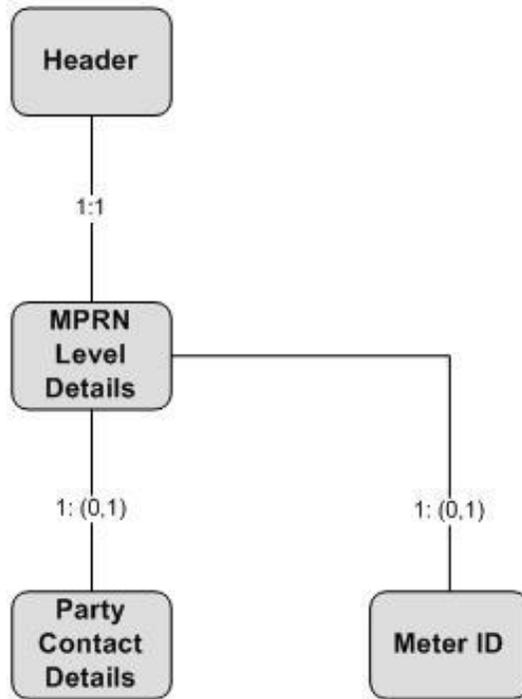
- Metering problems and damage
- Usage enquiries
- Revenue Protection issues
- General meter enquiries and complaints

Message 260 is used in the following Market Process:

<b>Process Number and Title</b>	<b>Use of Message</b>
MP NI 12 Meter Problems and Damage,	To Report a Non Urgent Meter Problem
MP NI 12 Meter Enquiries and Complaints	To Make a Meter Reading Enquiry

3.4.2 Data Hierarchy Diagram

260 Message



## NI Market Message Implementation Guide – Meter Works

### 3.4.3 Message Structure

Segment and Field Level Identifier – 260 Message			Rpt	Optionality	Description / Purpose and composition instructions																								
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.																								
1 MPRN Level Details			1	Mandatory																									
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.																								
2	FLD	Market Participant Business Reference	1	Mandatory	This is the Supplier's number given as reference in the request. This will be used in future contact with Suppliers to reference the request.																								
2	FLD	Supplier ID	1	Mandatory	Supplier ID is the identification code of a Supplier. This must be the Supplier to whom the Meter Point is registered.																								
2	SEG	Party Contact Details	1	Optional	Details enabling the Supplier to be contacted in the event of a query with the message.  Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.																								
2	FLD	Observation Code	1	Mandatory	Observation Code is a code that describes observations made at or concerning a meter point or meters at a meter point. Suppliers must use a code from the list of permitted NIE Networks Observation Codes below: <table border="1" data-bbox="1167 884 1877 1366"> <thead> <tr> <th>Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>37</td> <td>Meter stopped</td> </tr> <tr> <td>41</td> <td>Meter Removed</td> </tr> <tr> <td>47</td> <td>Time Switch at wrong time &gt; 2 hours</td> </tr> <tr> <td>53</td> <td>Investigate/Change Teleswitch</td> </tr> <tr> <td>77</td> <td>Derelict premises</td> </tr> <tr> <td>81</td> <td>Old meter requiring updating</td> </tr> <tr> <td>82</td> <td>Suppliers check meter number request</td> </tr> <tr> <td>83</td> <td>Incoming Supply ID e.g. clarify communal metering</td> </tr> <tr> <td>91</td> <td>Usage Query</td> </tr> <tr> <td>92</td> <td>Meter Reading Complaint</td> </tr> <tr> <td>93</td> <td>Meter Reading Enquiry</td> </tr> </tbody> </table>	Code	Description	37	Meter stopped	41	Meter Removed	47	Time Switch at wrong time > 2 hours	53	Investigate/Change Teleswitch	77	Derelict premises	81	Old meter requiring updating	82	Suppliers check meter number request	83	Incoming Supply ID e.g. clarify communal metering	91	Usage Query	92	Meter Reading Complaint	93	Meter Reading Enquiry
Code	Description																												
37	Meter stopped																												
41	Meter Removed																												
47	Time Switch at wrong time > 2 hours																												
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91	Usage Query																												
92	Meter Reading Complaint																												
93	Meter Reading Enquiry																												

## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier – 260 Message			Rpt	Optionality	Description / Purpose and composition instructions																
					<table border="1"> <tr> <td><b>94</b></td> <td><b>RPU Complaint</b></td> </tr> <tr> <td><b>99</b></td> <td><b>Freeform Trouble message</b></td> </tr> <tr> <td><b>217</b></td> <td><b>Missing Seals</b></td> </tr> <tr> <td><b>218</b></td> <td><b>RPU</b></td> </tr> <tr> <td><b>219</b></td> <td><b>Health &amp; Safety</b></td> </tr> <tr> <td><b>221</b></td> <td><b>Wrong number of digits</b></td> </tr> <tr> <td><b>223</b></td> <td><b>Confirm Multiplier Attached</b></td> </tr> <tr> <td><b>226</b></td> <td><b>Freedom Unit / Comms Cable Issue</b></td> </tr> </table> <p>If Code 99 (Freeform Trouble message) is provided Suppliers must populate the Observation Text field.</p>	<b>94</b>	<b>RPU Complaint</b>	<b>99</b>	<b>Freeform Trouble message</b>	<b>217</b>	<b>Missing Seals</b>	<b>218</b>	<b>RPU</b>	<b>219</b>	<b>Health &amp; Safety</b>	<b>221</b>	<b>Wrong number of digits</b>	<b>223</b>	<b>Confirm Multiplier Attached</b>	<b>226</b>	<b>Freedom Unit / Comms Cable Issue</b>
<b>94</b>	<b>RPU Complaint</b>																				
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<b>221</b>	<b>Wrong number of digits</b>																				
<b>223</b>	<b>Confirm Multiplier Attached</b>																				
<b>226</b>	<b>Freedom Unit / Comms Cable Issue</b>																				
2	FLD	Observation Date	1	Mandatory	Observation Date is the date an observation was made.																
2	FLD	Observation Text	1	Optional	Observation Text provides a description of an observation and may be used to convey comments regarding a problem. Observation text must be provided where Observation Code is set to <b>99</b> (See above) and in other cases where applicable.																
2	SEG	Meter ID	0..1	Optional	<p>This segment provides information relating to a particular meter installed at a meter point to which observation details can apply. This segment must be populated if Suppliers wish to make observations relating to a particular meter at a Meter Point.</p> <p><b>N.B</b> Only one Meter ID will be provided. If problems are found at more than one meter at a meter point separate messages are sent for each meter affected.</p>																
3	FLD	Meter Category	1	Optional	Not used in Northern Ireland.																
3	FLD	Serial Number	1	Mandatory	Serial No is the physical number found on a Meter. This item must be populated if observations apply to a particular meter at a Meter point.																

### 3.4.4 Field Validation Rules:

Segment and Field Level Identifier – 260 Message	Description / Purpose and composition instructions
1 Message Header	<i>Refer to common data segments document</i>
1 Meter Point Details	

## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier – 260 Message			Description / Purpose and composition instructions
2	FLD	MPRN	Message will fail validation if <ul style="list-style-type: none"> <li>• The full MPRN is not provided</li> <li>• The MPRN does not exist</li> <li>• The MPRN is not registered to the Supplier (see Supplier ID validation)</li> <li>• The MPRN is in a Terminated state</li> </ul>
2	FLD	Market Participant Business Reference	Message will fail validation if this field is not populated.
2	FLD	Supplier ID	Message will fail validation if <ul style="list-style-type: none"> <li>• A valid Supplier ID is not provided</li> <li>• The Meter Point is not registered to the provided Supplier ID</li> </ul>
2	SEG	Party Contact Details	Where phone numbers are provided they should be full numbers including the code, with no spaces and should be able to be dialled from NI with no alteration.
2	FLD	Observation Code	Message will fail validation if a valid code is not provided.
2	FLD	Observation Date	Message will fail validation if this field is not populated.
2	FLD	Observation Text	No validation of this field.
2	SEG	Meter ID	This segment provides information relating to particular meters installed at a meter point to which observation details can apply.
3	FLD	Meter Category	Not used in Northern Ireland. No validation of this field
3	FLD	Serial Number	This item must be populated if observations apply to a particular meter at a meter point. Message will fail validation if omitted.

### 4 MESSAGE DIRECTORY – NIE NETWORKS TO SUPPLIER

#### 4.1 106D Meter Point Status Change Confirmation – De-energisation

##### 4.1.1 Purpose / Description of Message

The 106D message is sent to the Registered Supplier of the Interval Meter Point in the following scenarios:

- To confirm that their request to De-energise the Meter Point on a 017 has been completed.
- As a result of NIE Networks initiated work (e.g. Safety disconnection).

The message includes notification of the following:

- Confirmation of De-energisation
- Effective from date of the de-energisation.

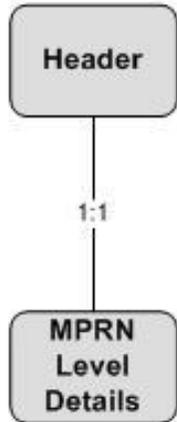
Message 106D is used in the following Market Process:

Process Number and Title	Use of Message
MP NI 9 De-energisation	To confirm a completed request for a change of an Interval meter point status to 'D'

This message is not sent if the de-energisation job also required meter removal.

4.1.2 Data Hierarchy Diagram

106D Message



## NI Market Message Implementation Guide – Meter Works

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### 4.1.3 Message Structure

Segment and Field Level Identifier – 106D Message			Rpt	Optionality	Description / Purpose and composition instructions
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1 MPRN Level Details			1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.
2	FLD	Market Participant Business Reference	1	Optional	This is the unique number given as reference on the 017 request referenced back to Supplier. This message may be generated by NIE Networks initiated work so will not always relate back to an originating Supplier request.
2	FLD	Meter Point Status	1	Mandatory	Meter Point Status on a 106D message is a code to identify the connection status of a meter point. This will always be set to <b>D</b> – De-energised on this message.
2	FLD	Effective from Date	1	Mandatory	This is the date from which the de-energisation became effective.
2	FLD	Comments	1	Optional	Comments made by NIE Networks for the attention of the Supplier.

### 4.2 106E Meter Point Status Change Confirmation – Energisation

#### 4.2.1 Purpose / Description of Message

The 106E message is sent to the Registered Supplier of the Interval Meter Point in the following scenarios:

- To confirm that their request to Energise the Meter Point on a 017 has been completed.
- As a result of NIE Networks initiated work (e.g. Safety disconnection and subsequent reconnection).

The message includes notification of the following:

- Confirmation of Energisation
- Effective from date of the Energisation.

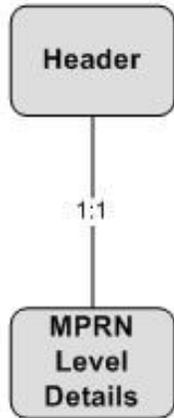
Message 106E is used in the following Market Process:

Process Number and Title	Use of Message
MP NI 10 Re-energisation	To confirm a completed request for a change of an Interval meter point status to 'E'

This message is not sent if the re-energisation job also required meter installation or changes.

4.2.2 Data Hierarchy Diagram

106E Message



## NI Market Message Implementation Guide – Meter Works

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### 4.2.3 Message Structure

Segment and Field Level Identifier – 106E Message			Rpt	Optionality	Description / Purpose and composition instructions
1	Message Header		1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1	MPRN Level Details		1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point..
2	FLD	Market Participant Business Reference	1	Optional	This is the unique number given as reference on the 017 request referenced back to Supplier. This message may be generated by NIE Networks initiated work so will not always relate back to an originating Supplier request.
2	FLD	Meter Point Status	1	Mandatory	Meter Point Status on a 106E message is a code to identify the connection status of a meter point. This will always be set to <b>E</b> – Energised on this message.
2	FLD	Effective from Date	1	Mandatory	This is the date from which the Energisation became effective.
2	FLD	Comments	1	Optional	Comments made by NIE Networks for the attention of the Supplier.

### 4.3 117D Change in Energisation Status Delay

#### 4.3.1 Purpose / Description of message

The 117D Change of Energisation Status Delay message is sent by NIE Networks to a Supplier to advise them that there is a delay in carrying out their request to change the energisation status at a meter point sent on a 017 message.

In NI, the 117D is sent on receipt of a 017 in the following circumstance:

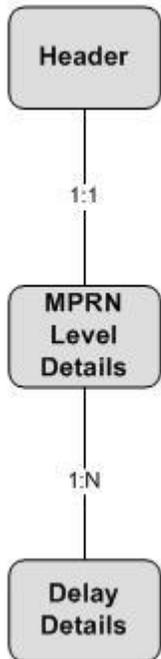
- Connection Agreement required

Message 117D is used in the following Market Process:

Process Number and Title	Use of Message
MP NI 9 De-energisation	To notify a delay in carrying out a request to change the energisation status to 'D'
MP NI 10 Re-energisation	To notify a delay in carrying out a request to change the energisation status to 'E'

4.3.2 Data hierarchy diagram

117D Message



## NI Market Message Implementation Guide – Meter Works

### 4.3.3 Message Structure

Segment and Field Level Identifier – 117D Message			Rpt	Optionality	Description / Purpose and composition instructions
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1 MPRN Level Details			1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.
2	SEG	Delay Details	1..N	Mandatory	An instance of this segment is provided for each Delay reason provided.
3	FLD	Delay Reason	1	Mandatory	<p>Delay Reason will provide the reason for delays in performing requests for changes to energisation status requested by the Supplier.</p> <p>The only valid Delay Reason for this message for NIE Networks is :</p> <ul style="list-style-type: none"> <li>• <b>DE02:</b> Connection Agreement required</li> </ul>
2	FLD	Request Status	1	Mandatory	This item defines the status of the request being made in the message. For 117D messages this will always be set to <b>I</b> - initiate.
2	FLD	Market Participant Business Reference	1	Mandatory	This is the number that was given as reference on the 017 message. It will be referenced back here on the 117D message.

### 4.4 117R Meter Point Status Request Rejection

#### 4.4.1 Purpose / Description of message

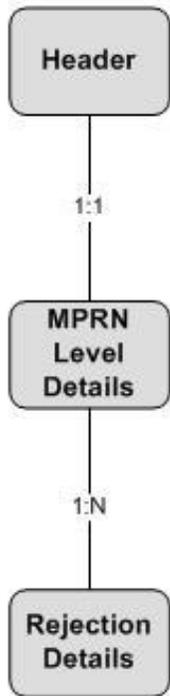
The 117R Meter Point Status Request Rejection message is sent by NIE Networks to a Supplier to reject a Meter Point Status Change Request (017) message that fails validation (refer to 017 Message Validation section for validation rules).

Message 117R is used in the following Market Processes:

Process Number and Title	Use of Message
MP NI 9 De-energisation	To notify a rejection of a request to change the meter point status to 'D'
MP NI 10 Re-energisation	To notify a rejection of a request to change the meter point status to 'E'

4.4.2 Data Hierarchy Diagram

117R Message



## NI Market Message Implementation Guide – Meter Works

### 4.4.3 Message Structure

Segment and Field Level Identifier – 117R Message			Rpt	Optionality	Description / Purpose and composition instructions																																										
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.																																										
1 MPRN Level Details			1	Mandatory																																											
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.																																										
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	Reject Reason is a code to identify why data was rejected. The valid reject reasons for this message are as follows: <table border="1" data-bbox="1167 571 1991 1370"> <tbody> <tr><td><b>AIM</b></td><td>Appointment ID does not match MPRN</td></tr> <tr><td><b>CCC</b></td><td>Fieldwork Completed - cannot be cancelled (For Withdraw requests)</td></tr> <tr><td><b>CDR</b></td><td>Customer details required for CoLE</td></tr> <tr><td><b>CIP</b></td><td>A Change of Supplier is pending</td></tr> <tr><td><b>DID</b></td><td>Duplicate Appointment ID</td></tr> <tr><td><b>DIJ</b></td><td>Data invalid for jurisdiction</td></tr> <tr><td><b>DNA</b></td><td>De-energisation not allowed at residential Meter Point – Supply Agreement Exists</td></tr> <tr><td><b>DUP</b></td><td>Duplicate request</td></tr> <tr><td><b>IAI</b></td><td>Invalid Appointment ID</td></tr> <tr><td><b>IID</b></td><td>Invalid/Incomplete data</td></tr> <tr><td><b>IMP</b></td><td>Invalid MPRN</td></tr> <tr><td><b>IMS</b></td><td>Invalid MPRN status</td></tr> <tr><td><b>IRC</b></td><td>Invalid Reason Code</td></tr> <tr><td><b>IRQ</b></td><td>Invalid Request Status</td></tr> <tr><td><b>ITF</b></td><td>Invalid Tariff Configuration Code</td></tr> <tr><td><b>MIA</b></td><td>Meter Work Type on Message is incompatible with details provided on Appointment Booking system</td></tr> <tr><td><b>NID</b></td><td>No Appointment ID</td></tr> <tr><td><b>NMR</b></td><td>No Matching Request</td></tr> <tr><td><b>NOR</b></td><td>No outstanding request, cannot be cancelled</td></tr> <tr><td><b>NSA</b></td><td>Energisation has been requested but there is no Supply Agreement</td></tr> <tr><td><b>SNK</b></td><td>Supplier not known</td></tr> </tbody> </table>	<b>AIM</b>	Appointment ID does not match MPRN	<b>CCC</b>	Fieldwork Completed - cannot be cancelled (For Withdraw requests)	<b>CDR</b>	Customer details required for CoLE	<b>CIP</b>	A Change of Supplier is pending	<b>DID</b>	Duplicate Appointment ID	<b>DIJ</b>	Data invalid for jurisdiction	<b>DNA</b>	De-energisation not allowed at residential Meter Point – Supply Agreement Exists	<b>DUP</b>	Duplicate request	<b>IAI</b>	Invalid Appointment ID	<b>IID</b>	Invalid/Incomplete data	<b>IMP</b>	Invalid MPRN	<b>IMS</b>	Invalid MPRN status	<b>IRC</b>	Invalid Reason Code	<b>IRQ</b>	Invalid Request Status	<b>ITF</b>	Invalid Tariff Configuration Code	<b>MIA</b>	Meter Work Type on Message is incompatible with details provided on Appointment Booking system	<b>NID</b>	No Appointment ID	<b>NMR</b>	No Matching Request	<b>NOR</b>	No outstanding request, cannot be cancelled	<b>NSA</b>	Energisation has been requested but there is no Supply Agreement	<b>SNK</b>	Supplier not known
<b>AIM</b>	Appointment ID does not match MPRN																																														
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<b>NSA</b>	Energisation has been requested but there is no Supply Agreement																																														
<b>SNK</b>	Supplier not known																																														

## NI Market Message Implementation Guide – Meter Works

					<table border="1"> <tr> <td><b>SNR</b></td> <td>Supplier Not registered to MPRN</td> </tr> <tr> <td><b>TCI</b></td> <td>Tariff configuration code incompatible with MCC</td> </tr> <tr> <td><b>TMP</b></td> <td>Terminated MPRN</td> </tr> <tr> <td><b>UMS</b></td> <td>Unmetered site</td> </tr> </table>	<b>SNR</b>	Supplier Not registered to MPRN	<b>TCI</b>	Tariff configuration code incompatible with MCC	<b>TMP</b>	Terminated MPRN	<b>UMS</b>	Unmetered site
<b>SNR</b>	Supplier Not registered to MPRN												
<b>TCI</b>	Tariff configuration code incompatible with MCC												
<b>TMP</b>	Terminated MPRN												
<b>UMS</b>	Unmetered site												
2	FLD	Request Status	1	Mandatory	<p>This item defines the status of the request being made in the message. For 117R messages this will be set to:</p> <ul style="list-style-type: none"> <li>• <b>I</b> – initiated; or</li> <li>• <b>W</b>- withdrawn.</li> </ul>								
2	FLD	Market Participant Business Reference	1	Mandatory	<p>This is the number that was given as reference on the 017 message. It will be referenced back here on the 117R message.</p>								

### 4.5 130D Meter Works Request Delayed

#### 4.5.1 Purpose / Description of message

The 130D Meter Works Request Delayed message is sent by the NIE Networks business to Suppliers to notify them of a delay to Meter Works requested on a 030 at a meter point to which they are the appointed Supplier.

Meter Works requests can be delayed in NI in the following circumstance:

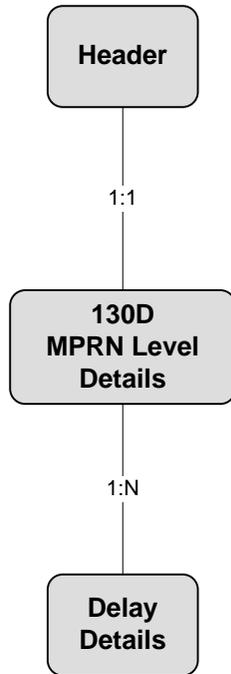
- Connection Card required

Message 130D is used in the following Market Process:

Process Number and Title	Use of Message
MP NI 11 Changes to Meter Configuration	To notify a Supplier of delay to the request for a change of meter configuration

**4.5.2 Data Hierarchy Diagram**

130D Message



## NI Market Message Implementation Guide – Meter Works

### 4.5.3 Message Structure

Segment and Field Level Identifier – 130D Message			Rpt	Optionality	Description / Purpose and composition instructions
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1 Meter Point Details			1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.
2	SEG	Delay Details	1..N	Mandatory	An instance of this segment is provided for each Delay reason provided.
3	FLD	Delay Reason	1	Mandatory	Delay Reason will provide details of the reason for delays in performing Meter Works requests. At least one delay reason will be provided.  Delay Reason for this message for NIE Networks is: DE01 – Completion Certificate/Connection Card Required
2	FLD	Request Status	1	Mandatory	This item defines the status of the request being made in the message.  For 130D messages this will always be set to <b>I</b> - initiate.
2	FLD	Market Participant Business Reference	1	Mandatory	This is the Supplier's own internal reference number that was provided on the initiating 030 message. The initiating message's MPB Reference number will be provided here on the 130D message.

### 4.6 [130R Meter Works Request Rejection](#)

#### 4.6.1 Purpose / Description of Message

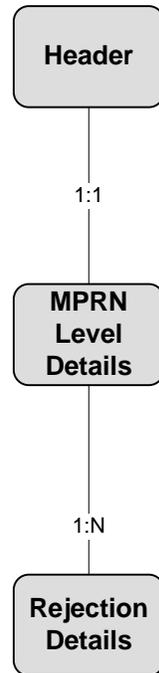
The 130R Meter Works Request Rejection message is sent by the NIE Networks business to Suppliers to reject a Meter Works Request (030) message that fails validation (refer to 030 Message Validation section for validation rules).

Message 130R is used in the following Market Processes:

Process Number and Title	Use of Message
MP NI 11 Changes to Meter Configuration	To notify a Supplier of rejection of the request for a change of meter configuration.
MP NI 12 Meter Problems and Damage, Enquiries and Complaints	To notify a Supplier of rejection of the request for meter works
MP NI 35 Changes of Metering – Non Interval to Interval	To notify the supplier of a rejection of the request a change of metering from Non-Interval to Interval.

4.6.2 Data Hierarchy Diagram

130R Message



## NI Market Message Implementation Guide – Meter Works

### 4.6.3 Message Structure

Segment and Field Level Identifier – 130R Message			Rpt	Optionality	Description / Purpose and composition instructions																																								
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.																																								
1 MPRN Level Details			1	Mandatory																																									
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.																																								
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>Reject Reason is a code to identify why data was rejected. The valid reject reasons for this message are as follows:</p> <table border="1"> <tr> <td><b>AIM</b></td> <td>Appointment ID does not match MPRN</td> </tr> <tr> <td><b>CCC</b></td> <td>Fieldwork completed, cannot be cancelled (For Withdraw request)</td> </tr> <tr> <td><b>CIP</b></td> <td>CoS in progress</td> </tr> <tr> <td><b>DID</b></td> <td>Duplicate Appointment ID</td> </tr> <tr> <td><b>DIJ</b></td> <td>Data Invalid for Jurisdiction</td> </tr> <tr> <td><b>DUP</b></td> <td>Duplicate Request</td> </tr> <tr> <td><b>HHM</b></td> <td>Interval Metering must be requested</td> </tr> <tr> <td><b>IAI</b></td> <td>Invalid Appointment ID</td> </tr> <tr> <td><b>ICM</b></td> <td>Inconsistent with MIC</td> </tr> <tr> <td><b>ICU</b></td> <td>Inconsistent with Usage Type</td> </tr> <tr> <td><b>ICU</b></td> <td>MCC specified is anything other than K02, K05, K06, M01, M04, M12</td> </tr> <tr> <td><b>IID</b></td> <td>Invalid/Incomplete data</td> </tr> <tr> <td><b>IMF</b></td> <td>Invalid Meter Configuration Code</td> </tr> <tr> <td><b>IMP</b></td> <td>Invalid MPRN</td> </tr> <tr> <td><b>IMS</b></td> <td>Invalid MPRN status</td> </tr> <tr> <td><b>IMW</b></td> <td>Invalid Meter Works Type code</td> </tr> <tr> <td><b>IRQ</b></td> <td>Invalid request status</td> </tr> <tr> <td><b>ITF</b></td> <td>Invalid Tariff Configuration Code</td> </tr> <tr> <td><b>MIA</b></td> <td>Meter Work Type on Message is incompatible with details provided on Appointment Booking system</td> </tr> <tr> <td><b>MWI</b></td> <td>Meter Works Incompatible with MCC</td> </tr> </table>	<b>AIM</b>	Appointment ID does not match MPRN	<b>CCC</b>	Fieldwork completed, cannot be cancelled (For Withdraw request)	<b>CIP</b>	CoS in progress	<b>DID</b>	Duplicate Appointment ID	<b>DIJ</b>	Data Invalid for Jurisdiction	<b>DUP</b>	Duplicate Request	<b>HHM</b>	Interval Metering must be requested	<b>IAI</b>	Invalid Appointment ID	<b>ICM</b>	Inconsistent with MIC	<b>ICU</b>	Inconsistent with Usage Type	<b>ICU</b>	MCC specified is anything other than K02, K05, K06, M01, M04, M12	<b>IID</b>	Invalid/Incomplete data	<b>IMF</b>	Invalid Meter Configuration Code	<b>IMP</b>	Invalid MPRN	<b>IMS</b>	Invalid MPRN status	<b>IMW</b>	Invalid Meter Works Type code	<b>IRQ</b>	Invalid request status	<b>ITF</b>	Invalid Tariff Configuration Code	<b>MIA</b>	Meter Work Type on Message is incompatible with details provided on Appointment Booking system	<b>MWI</b>	Meter Works Incompatible with MCC
<b>AIM</b>	Appointment ID does not match MPRN																																												
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## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier – 130R Message			Rpt	Optionality	Description / Purpose and composition instructions														
					<table border="1"> <tr> <td><b>NID</b></td> <td>No Appointment ID</td> </tr> <tr> <td><b>NMR</b></td> <td>No Matching Request</td> </tr> <tr> <td><b>NOR</b></td> <td>No outstanding request, cannot be cancelled</td> </tr> <tr> <td><b>SNK</b></td> <td>Supplier not Known</td> </tr> <tr> <td><b>SNR</b></td> <td>Supplier not Registered to MPRN</td> </tr> <tr> <td><b>TMP</b></td> <td>Terminated MPRN</td> </tr> <tr> <td><b>UMS</b></td> <td>Unmetered Site</td> </tr> </table>	<b>NID</b>	No Appointment ID	<b>NMR</b>	No Matching Request	<b>NOR</b>	No outstanding request, cannot be cancelled	<b>SNK</b>	Supplier not Known	<b>SNR</b>	Supplier not Registered to MPRN	<b>TMP</b>	Terminated MPRN	<b>UMS</b>	Unmetered Site
<b>NID</b>	No Appointment ID																		
<b>NMR</b>	No Matching Request																		
<b>NOR</b>	No outstanding request, cannot be cancelled																		
<b>SNK</b>	Supplier not Known																		
<b>SNR</b>	Supplier not Registered to MPRN																		
<b>TMP</b>	Terminated MPRN																		
<b>UMS</b>	Unmetered Site																		
2	FLD	Request Status	1	Mandatory	<p>This item defines the status of the request being made in the message. For 130R messages this will be set to:</p> <ul style="list-style-type: none"> <li>• <b>I</b> – initiated; or</li> <li>• <b>W</b>- withdrawn.</li> </ul>														
2	FLD	Market Participant Business Reference	1	Mandatory	<p>This is the Supplier’s own internal reference number that was provided on the initiating 030 message. The initiating message’s MPB Reference number will be provided here on the 130R message.</p>														

## NI Market Message Implementation Guide – Meter Works

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### 4.7 [131 Fieldwork Status](#)

#### 4.7.1 Purpose / Description of Message

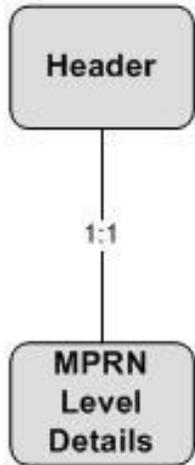
The 131 Fieldwork Status message allows NIE Networks to inform the Supplier registered to the Meter Point of the status of fieldwork requested via a 017, 030 or 252 message or a meter problem, query, enquiry or complaint reported via a 260 message.

Message 131 is used in the following Market Processes:

Process Number and Title	Use of Message
MP NI 1 Change of Supplier – Non Interval Credit	To notify a New Supplier when fieldwork is required to rescheduled
MP NI 2 Change of Supplier – Interval	To notify a New Supplier when fieldwork is required to rescheduled
MP NI 3 Objection and Cancellation	To notify a New Supplier when fieldwork is cancelled by NIE Networks
MP NI 9 De-Energisation	To notify a Supplier of the status of a request to de-energise a meter point.
MP NI 10 Re-Energisation	To notify a Supplier of the status of a request to re-energise a meter point
MP NI 11 Changes to Meter Configuration	To notify a Supplier of the status of a request for a change of meter configuration .
MP NI 12 Meter Problems and Damage	To notify a Supplier that meter damage or problem report is referred to Revenue Protection
MP NI 12 Meter Problems and Damage	To notify a Supplier of cancellation of work to deal with meter problems or damage
MP NI 12 Meter Enquiries and Compliants	To notify a Supplier of the status of a Check Meter job
MP NI 18 Special Read Request	To notify a Supplier of the status of a request for a special read.
MP NI 35 Change of Metering – Non Interval to Interval	To notify a Supplier of the status of a request for a change of metering from non-interval to interval metering.
MP NI 37 Change of Supplier – Keypad	To notify a New Supplier when fieldwork is required to rescheduled

4.7.2 Data Hierarchy Diagram

131 Message



## NI Market Message Implementation Guide – Meter Works

### 4.7.3 Message Structure

Segment and Field Level Identifier - 131 Message			Rpt	Optionality	Description / Purpose and composition instructions										
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.										
1 MPRN Level Details			1	Mandatory											
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.										
2	FLD	Market Participant Business Reference	1	Optional	This is the reference provided on the originating 010, 017, 030, 252 or 260 message referenced back to Supplier where appropriate.										
2	FLD	Work Type Code	1	Mandatory	Work Type is a code to indicate the type of work and can take the following values:  Refer to the Data Codes published by NIE Networks for a complete list of codes.										
2	FLD	Request Status	1	Mandatory	A code to indicate the status of the Supplier request. Valid values are as follows: <table border="1" data-bbox="1167 759 1962 994"> <tr> <td>C1</td> <td>Work physically complete and call complete.</td> </tr> <tr> <td>C2</td> <td>Work physically incomplete - cancelled by NIE Networks.</td> </tr> <tr> <td>R</td> <td>Work incomplete - rescheduled by NIE Networks.</td> </tr> <tr> <td>S</td> <td>Call complete, work incomplete - to be rescheduled by Supplier.</td> </tr> <tr> <td>X</td> <td>Work is cancelled at Supplier request.</td> </tr> </table>	C1	Work physically complete and call complete.	C2	Work physically incomplete - cancelled by NIE Networks.	R	Work incomplete - rescheduled by NIE Networks.	S	Call complete, work incomplete - to be rescheduled by Supplier.	X	Work is cancelled at Supplier request.
C1	Work physically complete and call complete.														
C2	Work physically incomplete - cancelled by NIE Networks.														
R	Work incomplete - rescheduled by NIE Networks.														
S	Call complete, work incomplete - to be rescheduled by Supplier.														
X	Work is cancelled at Supplier request.														
2	FLD	Date of Visit	1	Optional	The date that fieldwork was scheduled for where appropriate.										
2	FLD	Meter Point Status	1	Optional	The connection status of the meter point. This will be either <b>E</b> – Energised or <b>D</b> – De-energised.										
2	FLD	Outcome Reason Code	1	Optional	A code to indicate the outcome of any fieldwork or investigation.  Refer to the Data Codes published by NIE Networks for a complete list of codes.										

## NI Market Message Implementation Guide – Meter Works

Segment and Field Level Identifier - 131 Message			Rpt	Optionality	Description / Purpose and composition instructions								
2	FLD	Order Status Code	1	Mandatory	<p>A code to indicate the status of any fieldwork or investigation. Valid values are as follows:</p> <table border="1"> <tr> <td>FINI</td> <td>Finished</td> </tr> <tr> <td>RESC</td> <td>Rescheduled</td> </tr> <tr> <td>WCCH</td> <td>Cancelled with charge</td> </tr> <tr> <td>WCNC</td> <td>Cancelled with no charge</td> </tr> </table>	FINI	Finished	RESC	Rescheduled	WCCH	Cancelled with charge	WCNC	Cancelled with no charge
FINI	Finished												
RESC	Rescheduled												
WCCH	Cancelled with charge												
WCNC	Cancelled with no charge												
2	FLD	Observation Text	1	Optional	Observation Text provides a description of an observation and may be used to convey comments regarding a problem.								
2	FLD	Appointment ID	1	Optional	The unique identifying ID for the appointment.								

### 4.8 [137R Appointment Rejection](#)

#### 4.8.1 Purpose / Description of Message

The 137R Rejection of Appointment message is sent by NIE Networks to a Supplier to reject an appointment.

Appointments are rejected in the following circumstances:

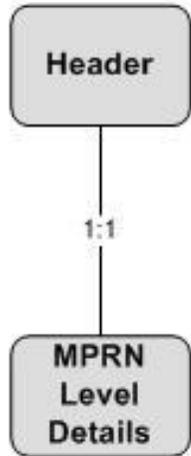
A Supplier has booked an appointment for fieldwork on the NIE Networks Appointments Website but NIE Networks does not receive the related market message within one hour of the booking and the allocated timeslot is no longer available. If the market message is not received within one hour of the appointment booking the slot will be released and could be reserved for another job.

Message 137R is used in the following Market Processes:

Process Number and Title	Use of Message
MP NI 38 Fieldwork Appoints	To notify a Supplier of the cancellation of an appointment that has been booked using the Market Website

4.8.2 Data Hierarchy Diagram

137R Message



## NI Market Message Implementation Guide – Meter Works

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### 4.8.3 Message Structure

Segment and Field Level Identifier -137R Message			Rpt	Optionality	Description / Purpose and composition instructions
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1 MPRN Level Details			1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.
2	FLD	Appointment Rejection Reason	1	Mandatory	Rejection Reason is a code to identify why data was rejected.  The only valid rejection reason for this message for NIE Networks is: <ul style="list-style-type: none"> <li>• <b>AR05</b>: Appointment Timeout</li> </ul>
2	FLD	Appointment Date	1	Optional	Not used in Northern Ireland.
2	FLD	Appointment Time Slot	1	Optional	Not used in Northern Ireland.
2	FLD	Market Participant Business Reference	1	Optional	Not used in Northern Ireland
2	FLD	Appointment ID	1	Optional	The unique identifying ID for the appointment. This field must always be populated .

### 4.9 261 Resolution of Problem, Damage or Tampering

#### 4.9.1 Purpose / Description of Message

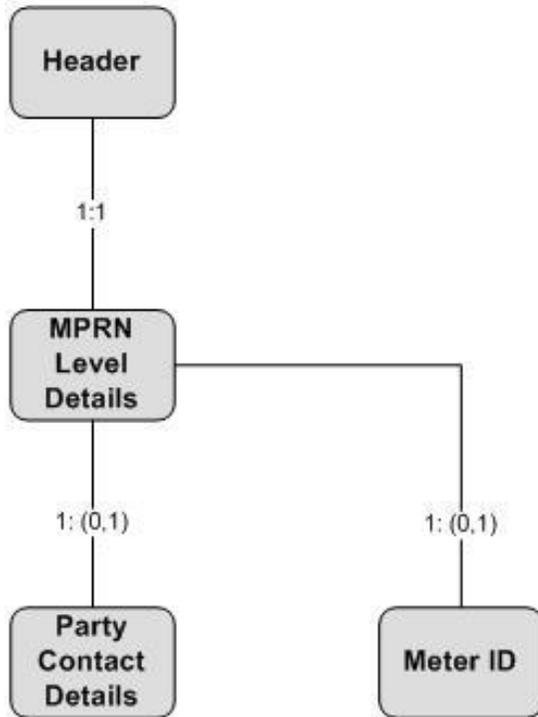
The 261 Resolution of problem, Damage or Tampering message allows NIE Networks to inform the Supplier registered to the Meter Point that problems with the meter point notified by Supplier on a 260 have been resolved.

Message 261 is used in the following Market Process:

Process Number and Title	Use of Message
MP NI 12 Meter Problems and Damage	To notify the Supplier of the rejection of an Observation of Meter Problems or Damage
MP NI 12 Meter Problems and Damage	To notify the Supplier of resolution of problems observed at the Meter Point
MP NI 12 Meter Enquiries and Complaints	To notify the Supplier of the rejection of an Enquiry or Complaint
MP NI 12 Meter Enquiries and Complaints	To notify the Supplier of the results of an Enquiry or Complaint

4.9.2 Data Hierarchy Diagram

261 Message



## NI Market Message Implementation Guide – Meter Works

### 4.9.3 Message Structure

Segment and Field Level Identifier - 261 Message			Rpt	Optionality	Description / Purpose and composition instructions
1	Message Header		1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1	MPRN Level Details		1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.
2	FLD	Market Participant Business Reference	1	Optional	This is the reference provided on the 260 message referenced back to Supplier where appropriate. This message may be generated by NIE Networks initiated work so will not always relate back to an originating Supplier 260 message. In such cases this item will not be provided.
2	SEG	Party Contact Details	1	Optional	Party Contact Details provides details such as contact name, organisation and department, telephone, e-mail and/or fax details enabling the party to be contacted. This allows NIE Networks to forward their contact details in case of queries with the message.
2	FLD	Observation Code	1	Mandatory	Observation Code is a code that describes observations made at or concerning a meter point or meters at a meter point.  If code 99 (Freeform Trouble message – See observation text.) is provided the Observation Text field must be populated.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
2	FLD	Observation Date	1	Mandatory	Observation Date is the date an observation was made.
2	FLD	Observation Text	1	Optional	Observation Text provides a description of an observation and may be used to convey comments regarding a problem. Observation text will be provided where Observation Code is set to <b>99</b> (See above) and in other cases as necessary.
2	SEG	Meter ID	0..1	Optional	This segment provides information relating to a particular meter installed at a meter point to which observation details can apply. This segment is only provided where observations apply to a particular Meter at a Meter Point.  <b>N.B</b> Only one Meter ID will be provided. If problems are found at more than one meter at a meter point separate messages are sent for each meter affected.

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Segment and Field Level Identifier - 261 Message			Rpt	Optionality	Description / Purpose and composition instructions
3	FLD	Meter Category	1	Optional	Not used in Northern Ireland.
3	FLD	Serial Number	1	Mandatory	Serial No is the physical number found on a Meter. This item must be populated if observations apply to a particular meter at a Meter point.

### 4.10 301 Meter Point Characteristics

#### 4.10.1 Purpose / Description of Message

The 301 Meter Point Characteristics message notifies the Supplier registered to the Non-Interval / Interval Meter Point of the following:

- An increased / decreased connection at that Meter Point
- Manual changes to Meter Point characteristics

The message includes the following details:

- Metered technical details for the meter point where applicable
- Confirmation of Meter Point Address.

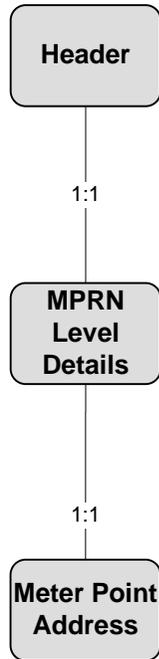
The message will contain all values that are applicable at the Meter Point following any change (i.e. not only those which have changed).

Message 301 is used in the following Market Process:

Process Number and Title	Use of Message
MP NI 8 Changes to Connection Characteristics	To confirm a change of connection characteristics

**4.10.2 Data Hierarchy Diagram**

301 Message



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### 4.10.3 Message Structure

This section describes the structure of the 301 message. The purpose of the message segments and data items are explained and any rules for composition outlined.

Segment and Field Level Identifier – 301 Message			Rpt	Optionality	Description / Purpose and composition instructions
1 Message Header			1	Mandatory	<i>Refer to common data segments document</i>
1 Meter Point Details			1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point that the customer has taken over. All elements of MPRN will be provided.
2	FLD	DLF (Distribution Loss Factor) Code	1	See description	A code used to indicate the connection voltage on which loss factors are based. It will take one of the following values: <ul style="list-style-type: none"> <li>• <b>NIMV</b> – Supply taken at less than 1000 volts</li> <li>• <b>NIHV</b> - Supply taken at 6600/11000 volts</li> </ul>
2	FLD	Transformer Loss Factor	1	See description	Not Used in NI
2	FLD	Connection System Code	1	See description	Connection System is a code that indicates the network to which a meter point is connected. The code values for this item are as follows:  NIE TD – NIE Networks Transmission and Distribution System  This item is provided for information on this message.
2	FLD	Load Profile	1	See description	A code that, when coupled with Timeslot, determines the Standard Profile that is used in estimating consumption at a meter register for billing and aggregation purposes.
2	FLD	Load Factor	1	See description	Not used in NI
2	FLD	Maximum Import Capacity	1	See description	Maximum Import Capacity is the capacity in kVA agreed in the connection agreement and permitted to be imported at a meter point.  This item will only be changed following increased / decreased Connections initiated by the Customer via NIE Networks.
2	FLD	Maximum Export Capacity	1	See description	Maximum Export Capacity is the capacity in kVA agreed in the connection agreement and permitted to be exported at a meter point. This item will only be changed following increased / decreased connections initiated by the Customer via NIE Networks.

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Segment and Field Level Identifier – 301 Message			Rpt	Optionality	Description / Purpose and composition instructions
2	FLD	Meter Configuration Code	1	See description	Meter Configuration Code (MCC) describes the current configuration of meter registers and other equipment at an MPRN which allow Customer Billing to take place. The MCC does not describe the specific metering equipment in use at an MPRN nor does it describe the overall capability of the metering equipment at the site.  This may be changed as part of an Increased / decreased connection.
2	FLD	DUoS Group	1	See description	This field will contain the code for the DUoS Tariff that applies to the MPRN. This item may be changed as part of an increased / decreased connection initiated by NIE Networks. See list of data codes for valid entries here.
2	FLD	Effective from Date	1	Mandatory	This is the date from which the complete set of meter point characteristics provided became effective.
2	SEG	Meter Point Address	1	Mandatory	The address at which the Meter Point is connected that is currently held by NIE Networks. See Common Data Segments for a description of individual data fields.
2	FLD	Current Chargeable Service Capacity	1	See Description	Where an MIC applies, the Chargeable Service Capacity that currently applies to the Meter Point.
2	FLD	Maximum Import Capacity Start Date	1	See Description	Where a MIC applies, the current start date that the MIC applies from.
2	FLD	Chargeable Service Capacity Start Date	1	See Description	Where a CSC applies, the current start date that the CSC applies from.
2	FLD	Chargeable Service Capacity Five Year Agreement End Date	1	See Description	Where a CSC five year agreement applies, the end date for the CSC agreement.

### 4.11 301N Proposed Meter Point Characteristics

#### 4.11.1 Purpose / Description of Message

The 301N Proposed Meter Point Characteristics message notifies the Supplier registered to the Non-Interval / Interval Meter Point that a Quotation involving an increased / decreased connection at that Meter Point is active.

The message includes the following details:

- Proposed changes to Metered technical details for the meter point where applicable
- Confirmation of Meter Point Address.

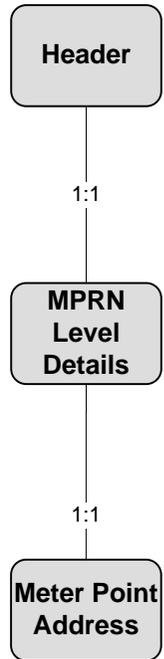
The message will include only values that are proposed to change with the exception of MPRN and Meter Point.

Message 301N is used in the following Market Process:

Process Number and Title	Use of Message
MP NI 8 Changes to Connection Characteristics	To notify a proposed change of connection characteristics

4.11.2 Data Hierarchy Diagram

301N Message



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### 4.11.3 Message Structure

This section describes the structure of the 301N message. The purpose of the message segments and data items are explained and any rules for composition outlined.

Segment and Field Level Identifier – 301 Message			Rpt	Optionality	Description / Purpose and composition instructions
1 Message Header			1	Mandatory	<i>Refer to common data segments document</i>
1 Meter Point Details			1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point that the customer has taken over. All elements of MPRN will be provided.
2	FLD	DLF (Distribution Loss Factor) Code	1	See description	A code used to indicate the connection voltage on which loss factors are based. It will take one of the following values: <ul style="list-style-type: none"> <li>• <b>NIMV</b> – Supply taken at less than 1000 volts</li> <li>• <b>NIHV</b> - Supply taken at 6600/11000 volts</li> </ul>
2	FLD	Transformer Loss Factor	1	See description	Not Used in NI
2	FLD	Connection System Code	1	See description	Connection System is a code that indicates the network to which a meter point is connected. The code values for this item are as follows:  NIE T&D – NIE Networks Transmission and Distribution System  This item is provided for information on this message.
2	FLD	Load Profile	1	See description	A code that, when coupled with Timeslot, determines the Standard Profile that is used in estimating consumption at a meter register for billing and aggregation purposes.
2	FLD	Load Factor	1	See description	Not used in NI
2	FLD	Maximum Import Capacity	1	See description	Maximum Import Capacity is the capacity in kVA agreed in the connection agreement and permitted to be imported at a meter point.  This item will only be changed following increased / decreased Connections initiated by the Customer via NIE Networks.
2	FLD	Maximum Export Capacity	1	See description	Maximum Export Capacity is the capacity in kVA agreed in the connection agreement and permitted to be exported at a meter point. This item will only be changed following increased / decreased connections initiated by the Customer via NIE Networks.

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Segment and Field Level Identifier – 301 Message			Rpt	Optionality	Description / Purpose and composition instructions
2	FLD	Meter Configuration Code	1	See description	<p>Meter Configuration Code (MCC) describes the current configuration of meter registers and other equipment at an MPRN which allow Customer Billing to take place. The MCC does not describe the specific metering equipment in use at an MPRN nor does it describe the overall capability of the metering equipment at the site.</p> <p>This may be changed as part of an Increased / decreased connection.</p>
2	FLD	DUoS Group	1	See description	<p>This field will contain the code for the DUoS Tariff that applies to the MPRN. This item may be changed as part of an increased / decreased connection initiated by NIE Networks. See list of data codes for valid entries here.</p>
2	SEG	Meter Point Address	1	Mandatory	<p>The address at which the Meter Point is connected that is currently held by NIE Networks.</p> <p>See Common Data Segments for a description of individual data fields.</p>

### **4.12 306 Meter Point Status Change Confirmation – Non Interval De-energisation**

#### **4.12.1 Purpose / Description of Message**

The 306 message is sent to the Registered Supplier of the Non-Interval Meter Point in the following scenarios:

- To confirm that their request to De-energise the Meter Point on a 017 has been completed.
- As a result of NIE Networks initiated work (e.g. Safety disconnection).

The message includes notification of the following:

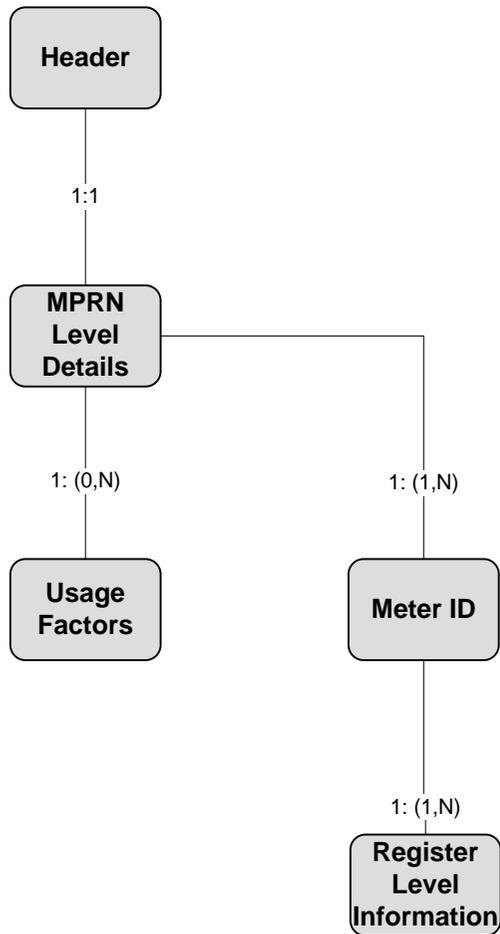
- Confirmation of De-energisation
- Final readings
- Meter and Meter register Information

Message 306 is used in the following Market Processes:

<b>Process Number and Title</b>	<b>Use of Message</b>
MP NI 9 De-Energisation	To confirm completion of a request for a change of Non-Interval meter point status to 'D' including reading

4.12.2 Data Hierarchy Diagram

306 Message



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### 4.12.3 Message Structure

This section describes the structure of the 306 message. The purpose of the message segments and data items are explained and any rules for composition outlined.

Segment and Field Level Identifier – 306 Message			Rpt	Optionality	Description / Purpose and composition instructions
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1 Meter Point Details			1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.
2	FLD	Market Participant Business Reference	1	Optional	This is the Supplier's number given as reference in the request. This will be used in future contact with Suppliers to reference the request.
2	FLD	Networks Reference Number	1	Mandatory	A reference to the field activity identifier used within NIE Networks when fieldwork is performed.
2	FLD	Load Profile	1	Mandatory	A code denoting the standard load profile that determines, when coupled with Timeslot, the derived profile that is applied to consumption usage for settlement purposes.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
2	FLD	DUoS Group	1	Mandatory	This field will contain the code for the DUoS Tariff applied by NIE Networks to the Meter Point.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
2	FLD	Meter Point Status	1	Mandatory	Meter Point Status is a code to identify the connection status of a meter point. This will be set to <ul style="list-style-type: none"> <li>• <b>D</b> – De-energised</li> </ul>
2	FLD	Effective from Date	1	Mandatory	This is the date on which the de-energisation was completed.
2	SEG	Usage Factors	0..N	Optional	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.
3	FLD	Timeslot	1	Mandatory	A code that indicates the period that a meter register is recording.  Refer to the Data Codes published by NIE Networks for a complete list of codes.

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Segment and Field Level Identifier – 306 Message			Rpt	Optionality	Description / Purpose and composition instructions
3	FLD	Effective from Date	1	Mandatory	If the date of the de-energisation is D this field will contain D+1 for the Estimated Usage Factor. For the actual usage factor this field will contain either the previous read date or the day following the previous read date depending on the type of the previous read.
3	FLD	Actual Usage Factor	1	Optional	This will contain the total AAC for consumption calculated for the period between the previous read date and the read date for registers with the indicated timeslot.
3	FLD	Estimated Usage Factor	1	Optional	This will contain the total EAC for consumption registers with the indicated timeslot. It will be set to zero.
2	SEG	Meter ID	1..N	Mandatory	The items in this segment uniquely identify a Meter at a Meter Point.
3	FLD	Meter Category	1	Optional	Not used.
3	FLD	Serial Number	1	Mandatory	The physical or badge number found on the meter.
3	SEG	Register Level Information	1..N	Mandatory	This is the segment that stores information relating to the registers displayed on a meter.
4	FLD	Meter Register Sequence	1	Mandatory	Meter Register Sequence is an identifier to distinguish between different meter registers on a physical meter or set of meters.
4	FLD	Timeslot	1	Mandatory	Timeslot is a code that indicates the period that a meter is recording (or an un-metered installation is consuming electricity).  Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Unit of Measurements	1	Mandatory	Unit of measurement is a code that indicates the value that is measured e.g. KWh.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Meter Multiplier	1	Mandatory	Meter Multiplier is a factor to be applied to an advance or reading at a register in order to derive a true value.
4	FLD	Reading Value	1	Mandatory	Reading Value is the value of a reading measured in the units identified by the meter register prior to application of any multipliers.
4	FLD	Read Reason	1	Mandatory	Read Reason is a code that indicates the reason that a reading was collected. Read Reason will always be <ul style="list-style-type: none"> <li>• 13 - De-Energisation</li> </ul>
4	FLD	Read Type	1	Mandatory	Read Type is a code that indicates whether a reading is an Actual, Customer, Estimated or Substitute reading. The following values are valid for Non-Interval de-energisations:

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Segment and Field Level Identifier – 306 Message			Rpt	Optionality	Description / Purpose and composition instructions
					<ul style="list-style-type: none"> <li>• <b>A</b> - Actual</li> <li>• <b>EF</b> – Estimate – Implausible / No Read Available</li> </ul>
4	FLD	Previous Read Date	1	Mandatory	The date from which consumption is calculated. This will be the previous actual read date or, where there has been a subsequent billing estimate, the date of the billing estimate. This is provided for kWh registers only.
4	FLD	Consumption	1	Optional	This data item is only provided for on consumption meters. Consumption is the metered or estimated consumption for the period from a previous read date to this read date, measured in kWh.
4	FLD	Read Status	1	Mandatory	A code that indicates: <ul style="list-style-type: none"> <li>• <b>RV</b> - Reading Valid</li> <li>• <b>RREL</b> - Reading - Manually released</li> <li>• <b>REST</b> - Reading estimated</li> </ul>
4	FLD	Register Type	1	Mandatory	Register Type is a code to indicate the purpose of the register.  Refer to the Data Codes published by NIE Networks for a complete list of codes.

### **4.13 306W Meter Point Status Change – Non Interval De-energisation – Withdrawn Read**

#### **4.13.1 Purpose / Description of Message**

The 306W message is sent to the Registered Supplier of the Non-Interval Meter Point to withdraw Non-Interval readings sent on a previous 306 message. The message includes notification of the following:

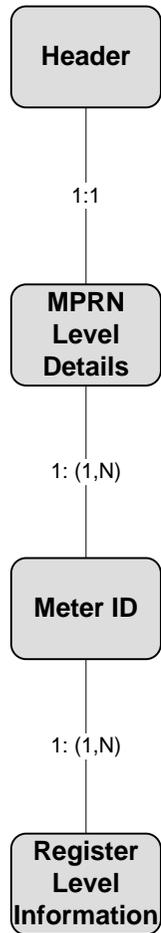
- Notification of the readings that have been withdrawn
- A reason for the withdrawal of the readings
- Meter and Meter register Information

Message 306W is used in the following Market Process:

<b>Process Number and Title</b>	<b>Use of Message</b>
MP NI 14 Readings Processing – Non Interval	To notify withdrawal of a completed request for a change of Non-Interval meter point status to 'D' including reading

4.13.2 Data Hierarchy Diagram

306W Message



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### 4.13.3 Message Structure

This section describes the structure of the 306W message. The purpose of the message segments and data items are explained and any rules for composition outlined.

Segment and Field Level Identifier – 306W Message			Rpt	Optionality	Description / Purpose and composition instructions
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1 Meter Point Details			1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.
2	FLD	Market Participant Business Reference	1	Optional	This is the Supplier’s number given as reference in the request. This will be used in future contact with Suppliers to reference the request.
2	FLD	Networks Reference Number	1	Mandatory	A reference to the field activity identifier used within NIE Networks when fieldwork is performed.
2	FLD	Load Profile	1	Mandatory	A code denoting the standard load profile that determines, when coupled with Timeslot, the derived profile that is applied to consumption usage for settlement purposes.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
2	FLD	DUoS Group	1	Mandatory	This field will contain the code for the DUoS Tariff applied by NIE Networks to the Meter Point.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
2	FLD	Meter Point Status	1	Mandatory	Meter Point Status is a code to identify the connection status of a meter point. This will be set to <ul style="list-style-type: none"> <li>• <b>D</b> – De-energised</li> </ul>
2	FLD	Effective from Date	1	Mandatory	This is the date on which the de-energisation was completed.
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 on a 306W: <ul style="list-style-type: none"> <li>• <b>A1</b>- Erroneous Change of Supplier</li> <li>• <b>A2</b> - Disputed CoS Meter Reading - a Change of Supplier reading or any other reading is disputed and is withdrawn as a result of the dispute</li> <li>• <b>A3</b> - Change of Supplier Cancellation - the reading was billed or</li> </ul>

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Segment and Field Level Identifier – 306W Message				Rpt	Optionality	Description / Purpose and composition instructions
						<p>attributed to the wrong Supplier because of a Change of Supplier cancellation</p> <ul style="list-style-type: none"> <li>• <b>A4</b> - Change of Supplier - the reading was billed or attributed to the wrong Supplier <b>other than</b> as a result of a Change of Supplier cancellation. These readings can be readings other than those used for the Change of Supplier itself.</li> <li>• <b>B1</b> - Incorrect MPRN - the reading was applied to the wrong MPRN</li> <li>• <b>C1</b> - Incorrect Estimation - an estimate is incorrect and is withdrawn as a result of a process other than a dispute from a Supplier</li> <li>• <b>C2</b> - Incorrect Meter Reading - a reading is incorrect and is withdrawn as a result of a process other than a dispute from a Supplier</li> <li>• <b>D1</b> - Incorrect Rate - a reading has been billed using an incorrect UoS Tariff</li> <li>• <b>D2</b> - Incorrect Billing Period - a reading has been billed to an incorrect period</li> <li>• <b>D3</b> - Incorrect Meter - the reading was applied to the wrong meter or meter register</li> </ul>
2	SEG	Meter ID		1..N	Mandatory	The items in this segment uniquely identify a Meter at a Meter Point.
3	FLD	Meter Category		1	Optional	Not used.
3	FLD	Serial Number		1	Mandatory	The physical or badge number found on the meter.
3	SEG	Register Level Information		1..N	Mandatory	This is the segment that stores information relating to the registers displayed on a meter.
4	FLD	Meter Register Sequence		1	Mandatory	Meter Register Sequence is an identifier to distinguish between different meter registers on a physical meter or set of meters.
4	FLD	Timeslot		1	Mandatory	<p>Timeslot is a code that indicates the period that a meter is recording (or an un-metered installation is consuming electricity).</p> <p>Refer to the Data Codes published by NIE Networks for a complete list of codes.</p>
4	FLD	Unit of Measurements		1	Mandatory	Unit of measurement is a code that indicates the value that is measured e.g. KWh.

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Segment and Field Level Identifier – 306W Message			Rpt	Optionality	Description / Purpose and composition instructions
					Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Meter Multiplier	1	Mandatory	Meter Multiplier is a factor to be applied to an advance or reading at a register in order to derive a true value.
4	FLD	Reading Value	1	Mandatory	Reading Value is the value of a reading measured in the units identified by the meter register prior to application of any multipliers.
4	FLD	Read Reason	1	Mandatory	Read Reason is a code that indicates the reason that a reading was collected. Read Reason will always be <ul style="list-style-type: none"> <li>• <b>13</b> - De-Energisation</li> </ul>
4	FLD	Read Type	1	Mandatory	Read Type is a code that indicates whether a reading is an Actual, Customer, Estimated or Substitute reading. The following values are valid for Non-Interval de-energisations: <ul style="list-style-type: none"> <li>• <b>A</b> - Actual</li> <li>• <b>EF</b> – Estimate – Implausible / No Read Available</li> </ul>
4	FLD	Previous Read Date	1	Mandatory	The date from which consumption is calculated. This will be the previous actual read date or, where there has been a subsequent billing estimate, the date of the billing estimate. This is provided for kWh registers only.
4	FLD	Consumption	1	Optional	This data item is only provided for on consumption meters. Consumption is the metered or estimated consumption for the period from a previous read date to this read date, measured in kWh.
4	FLD	Read Status	1	Mandatory	A code that indicates: <ul style="list-style-type: none"> <li>• <b>RWI</b> – Reading Withdrawn</li> </ul>
4	FLD	Register Type	1	Mandatory	Register Type is a code to indicate the purpose of the register.  Refer to the Data Codes published by NIE Networks for a complete list of codes.

### **4.14 307 Meter Point Status Change Confirmation – Non Interval Energisation**

#### **4.14.1 Purpose / Description of Message**

The 307 message is sent to the Registered Supplier of the Non-Interval Meter Point in the following scenarios:

- To confirm that their request to Energise the Meter Point on a 017 has been completed.
- As a result of NIE Networks initiated work (e.g. Safety disconnection and subsequent reconnection).

The message includes notification of the following:

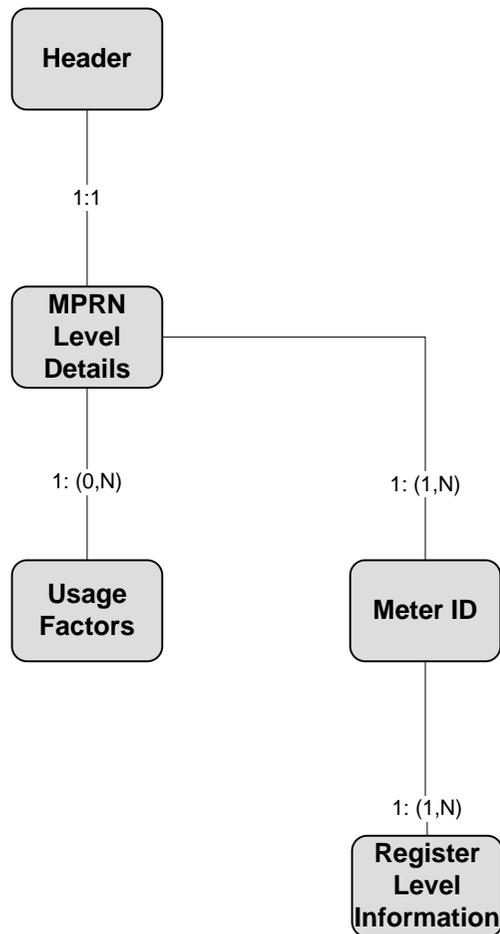
- Confirmation of Energisation at a Meter Point
- Meter and Meter register Information
- Meter readings

Message 307 is used in the following Market Processes:

<b>Process Number and Title</b>	<b>Use of Message</b>
MP NI 10 Re-Energisation	To confirm completion of a request for a change of meter point status to 'E' including reading

4.14.2 Data Hierarchy Diagram

307 Message



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### 4.14.3 Message Structure

This section describes the structure of the 307 message. The purpose of the message segments and data items are explained and any rules for composition outlined.

Segment and Field Level Identifier – 307 Message			Rpt	Optionality	Description / Purpose and composition instructions
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1 Meter Point Details			1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point that the customer has taken over. All elements of MPRN will be provided.
2	FLD	Market Participant Business Reference	1	Optional	This is the Supplier's number given as reference in the request. This will be used in future contact with Suppliers to reference the request.
2	FLD	Networks Reference Number	1	Mandatory	A reference to the field activity identifier used within NIE Networks when fieldwork is performed.
2	FLD	Load Profile	1	Mandatory	A code denoting the standard load profile that determines, when coupled with Timeslot, the derived profile that is applied to consumption usage for settlement purposes.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
2	FLD	DUoS Group	1	Mandatory	This field will contain the code for the DUoS Tariff applied by NIE Networks to the Meter Point.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
2	FLD	Meter Point Status	1	Mandatory	Meter Point Status is a code to identify the connection status of a meter point. This will be set to <ul style="list-style-type: none"> <li>• <b>E</b> - Energised</li> </ul>
2	FLD	Effective from Date	1	Mandatory	This is the date on which the energisation was completed.
2	SEG	Usage Factors	0..N	Optional	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.
3	FLD	Timeslot	1	Mandatory	A code that indicates the period that a meter register is recording.  Refer to the Data Codes published by NIE Networks for a complete list of

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Segment and Field Level Identifier – 307 Message			Rpt	Optionality	Description / Purpose and composition instructions
					codes.
3	FLD	Effective from Date	1	Mandatory	If the date of the energisation is D this field will contain D for the Estimated Usage Factor. For the actual usage factor this field will contain either the previous read date or the day following the previous read date depending on the type of the previous read.
3	FLD	Actual Usage Factor	1	Optional	This will contain the total AAC for consumption calculated for the period between the previous read date and the read date for registers with the indicated timeslot.
3	FLD	Estimated Usage Factor	1	Optional	This will contain the total EAC for consumption registers with the indicated timeslot.
2	SEG	Meter ID	1..N	Mandatory	The items in this segment uniquely identify a Meter at a Meter Point.
3	FLD	Meter Category	1	Optional	Not used.
3	FLD	Serial Number	1	Mandatory	The physical or badge number found on the meter.
3	SEG	Register Level Information	1..N	Mandatory	This is the segment that stores information relating to the registers displayed on a meter.
4	FLD	Meter Register Sequence	1	Mandatory	Meter Register Sequence is an identifier to distinguish between different meter registers on a physical meter or set of meters.
4	FLD	Timeslot	1	Mandatory	Timeslot is a code that indicates the period that a meter is recording (or an un-metered installation is consuming electricity).  Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Unit of Measurements	1	Mandatory	Unit of measurement is a code that indicates the value that is measured e.g. KWh.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Meter Multiplier	1	Mandatory	Meter Multiplier is a factor to be applied to an advance or reading at a register in order to derive a true value.
4	FLD	Reading Value	1	Mandatory	Reading Value is the value of a reading measured in the units identified by the meter register prior to application of any multipliers.
4	FLD	Read Reason	1	Mandatory	Read Reason is a code that indicates the reason that a reading was collected. Read Reason will always be: <ul style="list-style-type: none"> <li>• <b>18</b> - Energisation</li> </ul>
4	FLD	Read Type	1	Mandatory	Read Type is a code that indicates whether a reading is an Actual, Customer, Estimated or Substitute reading. Read Type will be set to

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Segment and Field Level Identifier – 307 Message			Rpt	Optionality	Description / Purpose and composition instructions
					<ul style="list-style-type: none"> <li>• <b>A</b> - Actual</li> </ul>
4	FLD	Previous Read Date	1	Mandatory	The date from which consumption is calculated. This will be the previous actual read date or, where there has been a subsequent billing estimate, the date of the billing estimate. This is provided for kWh registers only.
4	FLD	Consumption	1	Optional	This data item is only provided for on consumption meters. Consumption is the metered or estimated consumption for the period from a previous read date to this read date, measured in kWh.
4	FLD	Read Status	1	Mandatory	A code that indicates: <ul style="list-style-type: none"> <li>• <b>RV</b> - Reading Valid</li> <li>• <b>RREL</b> - Reading - Manually released</li> </ul>
4	FLD	Register Type	1	Mandatory	Register Type is a code to indicate the purpose of the register.  Refer to the Data Codes published by NIE Networks for a complete list of codes.

### **4.15 307W Meter Point Status Change – Non Interval Energisation – Withdrawn Read**

#### **4.15.1 Purpose / Description of Message**

The 307W message is sent to the Registered Supplier of the Non-Interval Meter Point to withdraw Non-Interval readings sent on a previous 307 message. The message includes notification of the following:

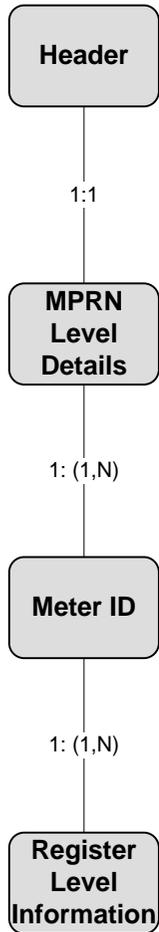
- Notification of the readings that have been withdrawn
- A reason for the withdrawal of the readings
- Meter and Meter register Information

Message 307W is used in the following Market Process:

<b>Process Number and Title</b>	<b>Use of Message</b>
MP NI 14 Readings Processing – Non Interval	To notify withdrawal of a completed request for a change of meter point status to ‘E’ including reading

4.15.2 Data Hierarchy Diagram

307W Message



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### 4.15.3 Message Structure

This section describes the structure of the 307W message. The purpose of the message segments and data items are explained and any rules for composition outlined.

Segment and Field Level Identifier – 307W			Rpt	Optionality	Description / Purpose and composition instructions
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1 Meter Point Details			1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point that the customer has taken over. All elements of MPRN will be provided.
2	FLD	Market Participant Business Reference	1	Optional	This is the number given as reference on the 017 request referenced back to Supplier. The message may be generated by NIE Networks initiated work so will not always relate back to an originating Supplier request. See Networks Reference Number
2	FLD	Networks Reference Number	1	Mandatory	A reference to the field activity identifier used within NIE Networks when fieldwork is performed.
2	FLD	Load Profile	1	Mandatory	A code denoting the standard load profile that determines, when coupled with Timeslot, the derived profile that is applied to consumption usage for settlement purposes.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
2	FLD	DUoS Group	1	Mandatory	This field will contain the code for the DUoS Tariff applied by NIE Networks to the Meter Point.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
2	FLD	Meter Point Status	1	Mandatory	Meter Point Status is a code to identify the connection status of a meter point. This will be set to <ul style="list-style-type: none"> <li>• <b>E</b> - Energised</li> </ul>
2	FLD	Effective from Date	1	Mandatory	This is the date from which the energisation became effective.
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: <ul style="list-style-type: none"> <li>• <b>A1</b>- Erroneous Change of Supplier</li> <li>• <b>A2</b> - Disputed CoS Meter Reading - a Change of Supplier reading or any other reading is disputed and is withdrawn as a result of the</li> </ul>

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Segment and Field Level Identifier – 307W				Rpt	Optionality	Description / Purpose and composition instructions	
						dispute <ul style="list-style-type: none"> <li>• <b>A3</b> - Change of Supplier Cancellation - the reading was billed or attributed to the wrong Supplier because of a Change of Supplier cancellation</li> <li>• <b>A4</b> - Change of Supplier - the reading was billed or attributed to the wrong Supplier <b>other than</b> as a result of a Change of Supplier cancellation. These readings can be readings other than those used for the Change of Supplier itself.</li> <li>• <b>B1</b> - Incorrect MPRN - the reading was applied to the wrong MPRN</li> <li>• <b>C1</b> - Incorrect Estimation - an estimate is incorrect and is withdrawn as a result of a process other than a dispute from a Supplier</li> <li>• <b>C2</b> - Incorrect Meter Reading - a reading is incorrect and is withdrawn as a result of a process other than a dispute from a Supplier</li> <li>• <b>D1</b> - Incorrect Rate - a reading has been billed using an incorrect UoS Tariff</li> <li>• <b>D2</b> - Incorrect Billing Period - a reading has been billed to an incorrect period</li> <li>• <b>D3</b> - Incorrect Meter - the reading was applied to the wrong meter or meter register</li> </ul>	
2	SEG	Meter ID		1..N	Mandatory	The items in this segment uniquely identify a Meter at a Meter Point.	
	3	FLD	Meter Category	1	Optional	Not used.	
	3	FLD	Serial Number	1	Mandatory	The physical or badge number found on the meter.	
	3	SEG	Register Level Information		1..N	Mandatory	This is the segment that stores information relating to the registers displayed on a meter.
		4	FLD	Meter Register Sequence	1	Mandatory	Meter Register Sequence is an identifier to distinguish between different meter registers on a physical meter or set of meters.
		4	FLD	Timeslot	1	Mandatory	Timeslot is a code that indicates the period that a meter is recording (or an un-metered installation is consuming electricity).  Refer to the Data Codes published by NIE Networks for a complete list of codes.
		4	FLD	Unit of Measurements	1	Mandatory	Unit of measurement is a code that indicates the value that is measured e.g.

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Segment and Field Level Identifier – 307W			Rpt	Optionality	Description / Purpose and composition instructions
					KWh.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Meter Multiplier	1	Mandatory	Meter Multiplier is 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	Reading is the value of a reading measured in the units identified by the meter register prior to application of any multipliers.
4	FLD	Read Reason	1	Mandatory	Read Reason is a code that indicates the reason that a reading was collected. Read Reason will always be <ul style="list-style-type: none"> <li>• <b>18</b> - Energisation</li> </ul>
4	FLD	Read Type	1	Mandatory	Read Type is a code that indicates whether a reading is an Actual, Customer, Estimated or Substitute reading. Read Type will be set to <ul style="list-style-type: none"> <li>• <b>A</b> - Actual</li> </ul>
4	FLD	Previous Read Date	1	Mandatory	The date from which consumption is calculated. This will be the previous actual read date or, where there has been a subsequent billing estimate, the date of the billing estimate. This is provided for kWh registers only.
4	FLD	Consumption	1	Optional	This data item is only provided for on consumption meters. Consumption is the metered or estimated consumption for the period from a previous read date to this read date, measured in kWh.
4	FLD	Read Status	1	Mandatory	A code that indicates: <ul style="list-style-type: none"> <li>• <b>RWI</b> – Reading Withdrawn</li> </ul>
4	FLD	Register Type	1	Mandatory	Register Type is a code to indicate the purpose of the register.  Refer to the Data Codes published by NIE Networks for a complete list of codes.

### 4.16 311 Meter Problems

#### 4.16.1 Purpose / Description of Message

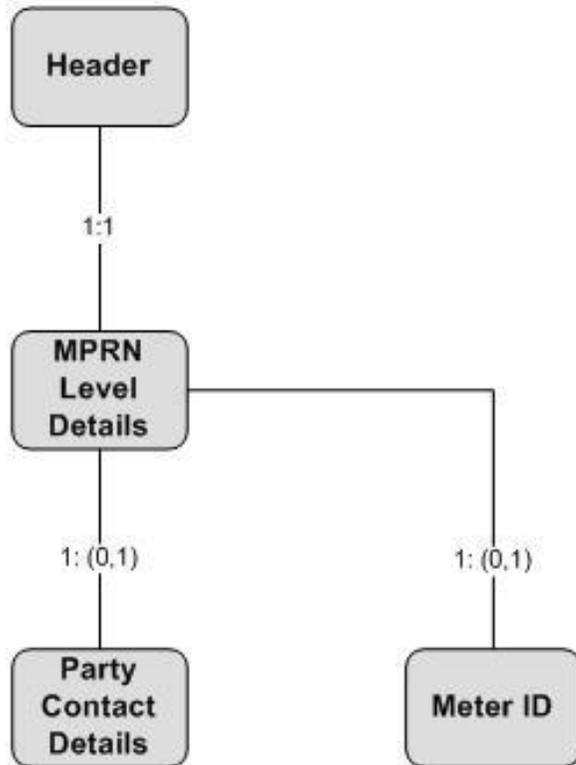
The purpose of the 311 Meter Problems message is to notify the Registered Supplier of the Meter Point of problems observed at that Meter Point.

Message 311 is used in the following Market Processes:

<b>Process Number and Title</b>	<b>Use of Message</b>
MP NI 12 Meter Problems and Damage	To notify Supplier of meter problems and damage observed by customers or meter readers
MP NI 17 Consumption Adjustments	To notify Supplier of meter problems and damage observed by customers or meter readers

4.16.2 Data Hierarchy Diagram

311 Message



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### 4.16.3 Message Structure

Segment and Field Level Identifier – 311 Message			Rpt	Optionality	Description / Purpose and composition instructions
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1 MPRN Level Details			1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.
2	SEG	Party Contact Details	1	Optional	Party Contact Details provides details such as contact name, organisation and department, telephone, e-mail and/or fax details enabling the party to be contacted. This allows NIE Networks to forward their contact details in case of queries with the message.
2	FLD	Observation Code	1	Mandatory	Observation Code is a code that describes observations made at or concerning a meter point or meters at a meter point.  If code 99 (Freeform Trouble message – See observation text.) is provided the Observation Text field must be populated.
2	FLD	Observation Date	1	Mandatory	Observation Date is the date an observation was made.
2	FLD	Observation Text	1	Optional	Observation Text provides a description of an observation and may be used to convey comments regarding a problem. Observation text will be provided where Observation Code is set to <b>99</b> (See above) and in other cases as necessary.
2	SEG	Meter ID	0..1	Optional	This segment provides information relating to a particular meter installed at a meter point to which observation details can apply. This segment is only provided where observations apply to a particular Meter at a Meter Point.  <b>N.B</b> Only one Meter ID will be provided. If problems are found at more than one meter at a meter point separate messages are sent for each meter affected.
3	FLD	Meter Category	1	Optional	Not used in Northern Ireland.
3	FLD	Serial Number	1	Optional	Serial No is the physical number found on a meter. Where segment is provided item will always be populated.

**4.17 330 Notification of change of metering from Non-Interval to Interval**

**4.17.1 Purpose / Description of Message**

Message 330 will not be used.

### 4.18 331 Interval Meter Technical Details

#### 4.18.1 Purpose / Description of Message

The 331 Interval Meter Technical Details message provides the Supplier registered to the Interval Meter point and TSO with the technical details of the meters installed at that meter point following Fieldwork carried out at that meter point.

This includes the following details:

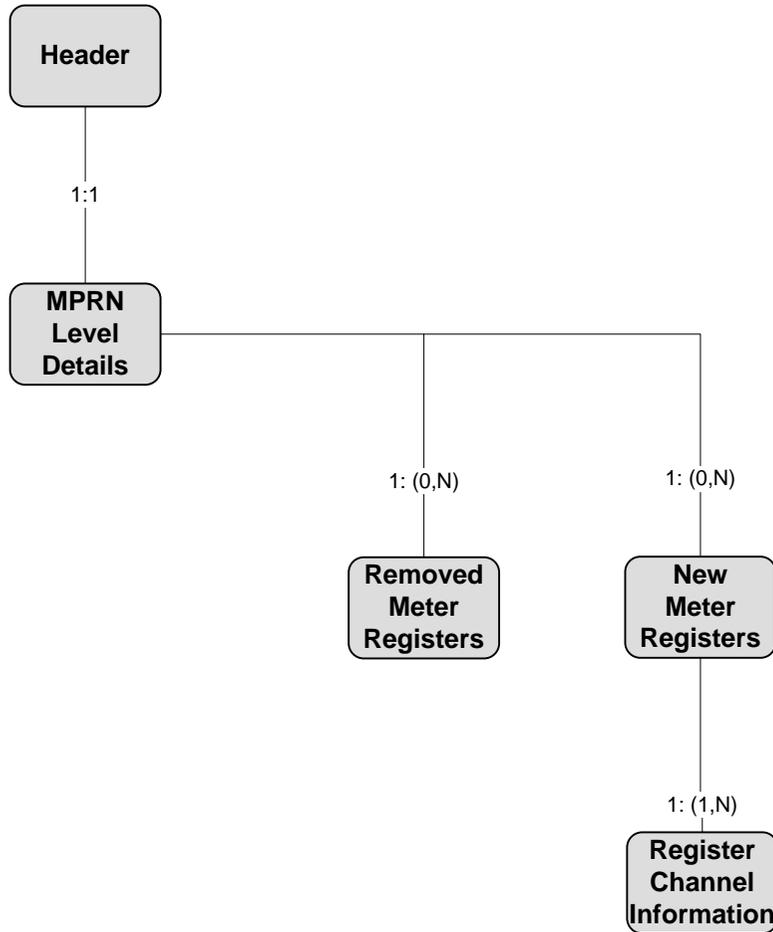
- The details applicable to the meter point, including MCC, DUoS Group and meter point status.
- The details of meters that have been removed from the Meter Point if applicable
- The details of meters that have been newly installed at a meter point including register / channel information for that meter if applicable.

Message 331 is used in the following Market Processes:

Process Number and Title	Use of Message
MP NI 2 Change of Supplier - Interval	To notify interval meter technical details to the new Supplier after completion of a Change of Supplier
MP NI 3 Objections and Cancellation	To provide a history of metering changes to an Old Supplier following a cancellation
MP NI 4 Supplier of Last Resort	To notify interval meter technical details to the Supplier of Last Resort
MP NI 6 New Interval Metered Connection	To notify meter technical details after completion of a New Non-Interval Metered Connection
MP NI 8 Changes to Connection Characteristics	To notify a change to Interval meter technical details after a change to connection characteristics
MP NI 9 De-Energisation	To provide details of Interval meter removal as a result of a request for de-energisation
MP NI 10 Re-Energisation	To provide details of Interval meter installation as a result of a request for energisation
MP NI 11 Changes to Meter Configuration	To notify Interval meter technical details after a change to metering configuration
MP NI 12 Meter Problems and Damage	To notify Interval meter technical details where resolution of meter problems and damage result in a change of Interval metering
MP NI 12 Meter Enquiries and Complaints	To notify Interval meter technical details where a response to an enquiry results in a change of Interval metering
MP NI 35 Change of Metering – Non Interval to Interval	To notify Interval meter technical details following completion of a change of metering from Non-Interval to Interval

4.18.2 Data Hierarchy Diagram

331 Message



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### 4.18.3 Message Structure

This section describes the structure of the 331 message. The purpose of the message segments and data items are explained and any rules for composition outlined.

Segment and Field Level Identifier – 331 Message			Rpt	Optionality	Description / Purpose and composition instructions
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1 Meter Point Details			1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point that the customer has taken over. All elements of MPRN will be provided.
2	FLD	Market Participant Business Reference	1	Optional	This is the Supplier's number given as reference in the request. This will be used in future contact with Suppliers to reference the request.
2	FLD	Networks Reference Number	1	Optional	A reference to the field activity identifier used within NIE Networks when fieldwork is performed. Will not be used where changes do not arise from fieldwork.
2	FLD	DUoS Group	1	Mandatory	This field will contain the code for the DUoS Tariff that applies to the MPRN from the effective from date.
2	FLD	Meter Point Status	1	Mandatory	Meter Point Status is a code to identify the connection status of a meter point. This will be set to <ul style="list-style-type: none"> <li>• E - Energised</li> <li>• D - De-energised</li> <li>• T - Terminated</li> </ul>
2	FLD	Effective from Date	1	Mandatory	This is the date from which the meter data supplied became effective.
2	FLD	Meter Configuration Code	1	Optional	Meter Configuration Code (MCC) describes the current configuration of meter registers and other equipment at a Meter Point.
2	SEG	Removed Meter ID	0..N	Optional	This segment identifies the meters removed at a Meter Point if appropriate.
3	FLD	Meter Category	1	Optional	Not Used.
3	FLD	Serial Number	1	Mandatory	The physical or badge number found on the removed meter.
3	FLD	Exchanged Meter Reference	1	Optional	Not Used.
2	SEG	New Meter ID	0..N	Optional	This segment identifies the new Interval Meters fitted at a Meter Point if appropriate.
3	FLD	Meter Category	1	Optional	Not Used.
3	FLD	Serial Number	1	Mandatory	The physical or badge number found on the new meter.
3	FLD	Meter Location	1	Optional	Not Used.

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Segment and Field Level Identifier – 331 Message			Rpt	Optionality	Description / Purpose and composition instructions
3	FLD	Exchanged Meter Reference	1	Optional	Not Used.
3	SEG	Register / Channel Information	1..N	Mandatory	This segment provides the information pertaining to the channels on the meters that have been fitted at the meter point.
4	FLD	Metering Interval	1	Mandatory	Metering Interval identifies the length in minutes of a period when consumption is recorded on an interval meter. This will be set to: <ul style="list-style-type: none"> <li>• <b>30</b> - Thirty minutes.</li> </ul>
4	FLD	Register Type	1	Mandatory	Register Type is a code to indicate the purpose of the register.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Unit of Measurements	1	Mandatory	Unit of measurement is a code that indicates the value that is measured.  Refer to the Data Codes published by NIE Networks for a complete list of codes.

### 4.19 332 Non-Interval Meter Technical Details

#### 4.19.1 Purpose / Description of Message

The 332 Non-Interval Meter Technical Details message provides the Supplier registered to the Non-Interval Meter point with the technical details of the meters installed at that meter point following Fieldwork carried out at that meter point.

This includes the following details:

- The details applicable to the meter point, including MCC, DUoS Group and meter point status.
- Any Usage factor information held for the Meter Point.
- The details of meters that have been removed from the Meter Point including register information from that meter and final readings if appropriate
- The details of meters that have been newly installed at a meter point including register information from that meter and start readings if appropriate
- The details of meters that are retained at a meter point following Fieldwork including register information from that meter and readings if appropriate.

Message 332 is used in the following Market Process:

Process Number and Title	Use of Message
MP NI 3 Objections and Cancellation	To provide a history of metering changes to an Old Supplier following a cancellation
MP NI 5 New Non Interval Metered Connection	To notify meter technical details and readings after completion of a New Non-Interval Metered Connection
MP NI 8 Changes to Connection Characteristics	To notify a change to Non-Interval meter technical details after a change to connection characteristics
MP NI 9 De-Energisation	To provide details of Non-Interval meter removal as a result of a request for de-energisation
MP NI 10 Re-Energisation	To provide details of Non-Interval meter installation as a result of a request for energisation
MP NI 11 Changes to Meter Configuration	To notify Non-Interval meter technical details after a change to metering configuration
MP NI 12 Meter Problems and Damage	To notify Non-Interval meter technical details where resolution of meter problems and

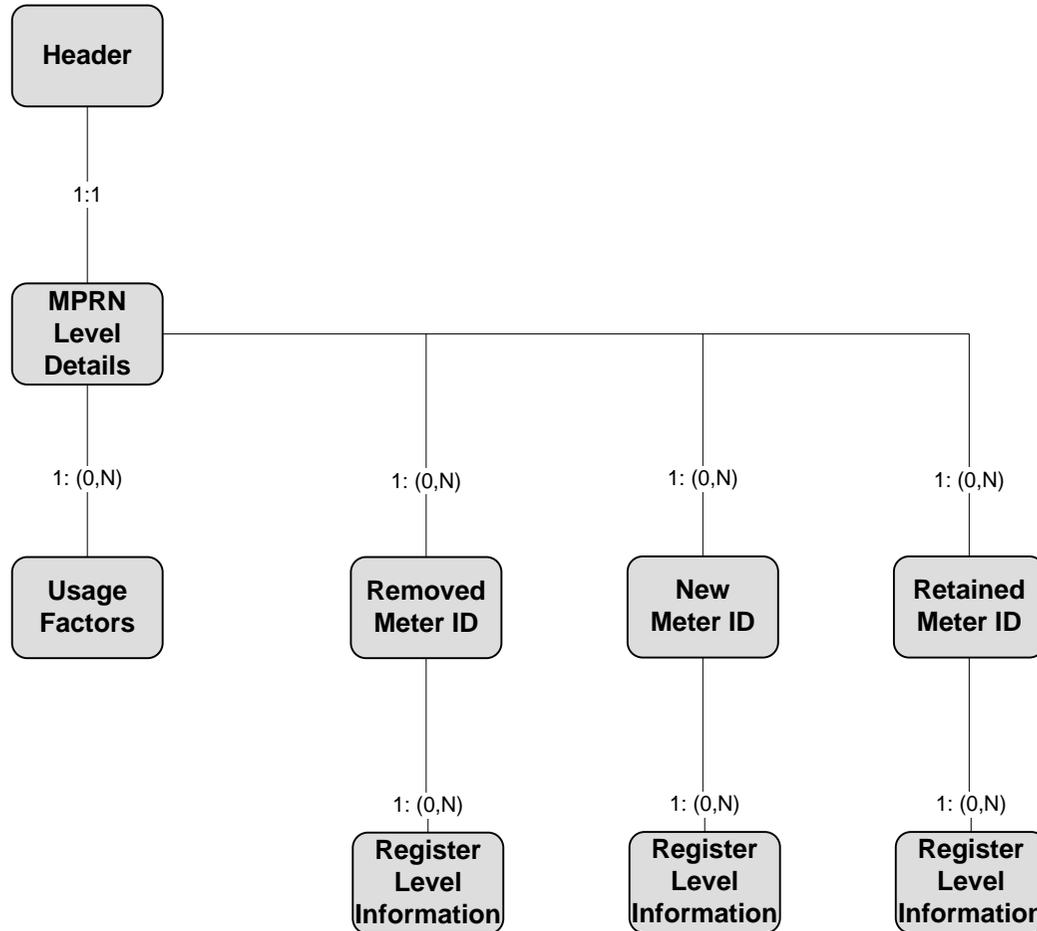
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Process Number and Title	Use of Message
MP NI 12 Meter Enquiries and Complaints	damage result in a change of Non-Interval metering To notify Non-Interval meter technical details where a response to an enquiry results in a change of Non-Interval metering
MP NI 35 Change of Metering – Non Interval to Interval	To notify Non-Interval meter removal and closing reads following completion of a change of metering from Non-Interval to Interval

4.19.2 Data Hierarchy Diagram

332 Message



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### 4.19.3 Message Structure

This section describes the structure of the 332 message. The purpose of the message segments and data items are explained and any rules for composition outlined.

Segment and Field Level Identifier – 332 Message			Rpt	Optionality	Description / Purpose and composition instructions
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1 Meter Point Details			1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point that the customer has taken over. All elements of MPRN will be provided.
2	FLD	Market Participant Business Reference	1	Optional	This is the Supplier's number given as reference in the request. This will be used in future contact with Suppliers to reference the request.
2	FLD	Networks Reference Number	1	Optional	A reference to the field activity identifier used within NIE Networks when fieldwork is performed. Will not be used where changes do not arise from fieldwork.
2	FLD	Load Profile	1	Mandatory	A code denoting the standard load profile that determines, when coupled with Timeslot, the derived profile that is applied to consumption usage for settlement purposes. This refers to the value applied following the meter change (or from the effective date) and does not necessarily apply to consumption up to the point of the change.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
2	FLD	DUoS Group	1	Mandatory	This field will contain the code for the DUoS Tariff applied by NIE Networks to the Meter Point. This refers to the value applied following the meter change (or from the effective date) and does not necessarily apply to consumption up to the point of the change.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
2	FLD	Meter Point Status	1	Mandatory	Meter Point Status is a code to identify the connection status of a meter point following the works. This will be set to <ul style="list-style-type: none"> <li>• E - Energised</li> <li>• D - De-energised</li> </ul>

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Segment and Field Level Identifier – 332 Message			Rpt	Optionality	Description / Purpose and composition instructions
					<ul style="list-style-type: none"> <li>T - Terminated.</li> </ul>
2	FLD	Effective from Date	1	Mandatory	This is the date from which the meter data supplied became effective.
2	FLD	Meter Configuration Code	1	Mandatory	Meter Configuration Code (MCC) describes the current configuration of meter registers and other equipment at a Meter Point applying following the meter change (or from the effective date).
2	FLD	Tariff Configuration Code	1	Optional	<p>A code to indicate the tariff (or rate category) functionality delivered by Keypad metering installed at a Keypad metered Non-Interval Meter Point.</p> <p>It must be provided for Keypad metered Non-Interval Meter Points.</p>
2	FLD	Keypad Premises Number	1	Optional	The Keypad Premises Number provided for Keypad metered Non-Interval Meter Points.
2	SEG	Usage Factors	0..N	Optional	For each Timeslot there will potentially be two usages (depending on the work performed); the first being the actual usage and the second the estimate usage, each with their own separate Effective From Date.
3	FLD	Timeslot	1	Mandatory	<p>A code that indicates the period that a meter register is recording.</p> <p>Refer to the Data Codes published by NIE Networks for a complete list of codes.</p>
3	FLD	Effective from Date	1	Mandatory	<p>If the date of the meter point information is D this field will contain:</p> <p>For new meters (Read Reason Codes <b>21</b>):</p> <ul style="list-style-type: none"> <li>D for the Estimated Usage Factor</li> </ul> <p>For meters remaining (Read Reason Codes <b>11</b>):</p> <ul style="list-style-type: none"> <li>D for the Estimated Usage Factor</li> </ul> <p>For removed meters (Read Reason Codes <b>22</b>):</p> <ul style="list-style-type: none"> <li>N/A for the Estimated Usage Factor</li> </ul> <p>For replaced meters (Read Reason Codes <b>16</b>):</p> <ul style="list-style-type: none"> <li>N/A for the Estimated Usage Factor</li> </ul> <p>For reconfigured meters (Read Reason Codes <b>16</b>):</p> <ul style="list-style-type: none"> <li>D for the Estimated Usage Factor</li> </ul> <p>For the actual usage factor this field will contain either the previous read</p>

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Segment and Field Level Identifier – 332 Message			Rpt	Optionality	Description / Purpose and composition instructions
					date or the day following the previous read date depending on the type of the previous read.
3	FLD	Actual Usage Factor	1	Optional	This will contain the total AAC for consumption calculated for the period between the previous read date and the read date for registers with the indicated timeslot.
3	FLD	Estimated Usage Factor	1	Optional	This will contain the total EAC for consumption registers with the indicated timeslot.
2	SEG	Removed Meter ID	0..N	Optional	This segment identifies the Non-Interval Meters removed at a Meter Point if appropriate.
3	FLD	Meter Category	1	Optional	Not Used.
3	FLD	Serial Number	1	Mandatory	The physical or badge number found on the removed meter.
3	FLD	Exchanged Meter Reference	1	Optional	Not Used.
3	SEG	Removed Register Level Information	0..N	Optional	This segment provides the information pertaining to the registers on meters that have been removed from the meter point.
4	FLD	Meter Register Sequence	1	Mandatory	Meter Register Sequence is an identifier to distinguish between different meter registers on a physical meter.
4	FLD	Timeslot	1	Mandatory	A code that indicates the period that a meter register is recording.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Unit of Measurement	1	Mandatory	Unit of measurement is a code that indicates the value that is measured.
4	FLD	Meter Multiplier	1	Mandatory	Meter Multiplier is a factor to be applied to an advance or reading at a register in order to derive a true value.
4	FLD	Reading Value	1	Mandatory	Reading Value is the value of a reading in the form passed to NIE Networks measured in the units identified by the meter register prior to application of any multipliers. May contain an estimate if read type so indicates.
4	FLD	Read Reason	1	Mandatory	Read Reason is a code that indicates the reason that a reading was collected and will be set to: <ul style="list-style-type: none"> <li>• <b>13</b> – De-energisation</li> <li>• <b>16</b> - Closing Read before meter re-programming</li> <li>• <b>22</b> - Closing Reading (Register removed)</li> <li>• <b>23</b> – Meter Works single reading</li> <li>• <b>28</b> – Closing read before register renumber</li> <li>• </li> </ul>

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Segment and Field Level Identifier – 332 Message				Rpt	Optionality	Description / Purpose and composition instructions
4	FLD	Read Type		1	Mandatory	Read Type is a code that indicates whether a reading is Actual or Estimated. This will be set to either: <ul style="list-style-type: none"> <li>• <b>A</b> - Actual</li> <li>• <b>EF</b> – Estimate – Implausible / No Read Available</li> </ul>
4	FLD	Previous Read Date		1	Mandatory	The date from which consumption is calculated. This will be the previous actual read date or, where there has been a subsequent billing estimate, the date of the billing estimate. This is provided for kWh registers only.
4	FLD	Consumption		1	Optional	This data item is only provided for on consumption meters. Consumption is the metered or estimated consumption for the period from a previous read date to this read date, measured in kWh.
4	FLD	Post Decimal Digits		1	Optional	The number of digits after the decimal place on a meter register. This data is provided where it is defined for register and device
4	FLD	Pre Decimal Digits		1	Optional	The number of digits before the decimal place on a meter register This data is provided where it is defined for register and device
4	FLD	Register Type		1	Mandatory	Register Type is a code to indicate the purpose of the register.
4	FLD	Read Status		1	Mandatory	A code that indicates: <ul style="list-style-type: none"> <li>• <b>RV</b> - Reading Valid</li> <li>• <b>RREL</b> - Reading - Manually released</li> <li>• <b>REST</b> - Reading estimated</li> </ul>
2	SEG	New Meter ID		0..N	Optional	This segment identifies the Non-Interval Meters newly fitted or configured at a Meter Point.
3	FLD	Meter Category		1	Optional	Not Used.
3	FLD	Serial Number		1	Mandatory	The physical or badge number found on the meter.
3	FLD	Meter Location		1	Optional	Not Used.
3	FLD	Exchanged Meter Reference		1	Optional	Not Used.
3	SEG	New Meter Registers		0..N	Optional	This segment provides the information pertaining to the registers on meters that have been fitted at the meter point.
4	FLD	Meter Register Sequence		1	Mandatory	Meter Register Sequence is an identifier to distinguish between different meter registers 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.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Unit of Measurement		1	Mandatory	Unit of measurement is a code that indicates the value that is measured.

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Segment and Field Level Identifier – 332 Message			Rpt	Optionality	Description / Purpose and composition instructions
					Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Meter Multiplier	1	Mandatory	Meter Multiplier is a factor to be applied to an advance or reading at a register in order to derive a true value.
4	FLD	Reading Value	1	Mandatory	Reading Value is the value of a reading in the form passed to NIE Networks measured in the units identified by the meter register prior to application of any multipliers.
4	FLD	Read Reason	1	Mandatory	<p>Read Reason is a code that indicates the reason that a reading was collected. The following codes are permitted for this item:</p> <ul style="list-style-type: none"> <li>• <b>11</b> – Start read after meter re-programming</li> <li>• <b>18</b> - Energisation</li> <li>• <b>21</b> - Start reading (New Register)</li> <li>• <b>23</b> – Meter Works single reading</li> <li>• <b>29</b> – Start Read after register renumber</li> </ul> <p>Refer to the Data Codes published by NIE Networks for a complete list of codes.</p>
4	FLD	Read Type	1	Mandatory	<p>Read Type is a code that indicates whether a reading is Actual or Estimated. This will be set to:</p> <ul style="list-style-type: none"> <li>• <b>A</b> - Actual</li> </ul>
4	FLD	Post Decimal Digits	1	Mandatory	The number of digits after the decimal place on a meter register. This data is provided where it is defined for register and device. This is always provided for new meters.
4	FLD	Pre Decimal Digits	1	Mandatory	The number of digits before the decimal place on a meter register This data is provided where it is defined for register and device. This is always provided for new meters.
4	FLD	Register Type	1	Mandatory	<p>Register Type is a code to indicate the purpose of the register.</p> <p>Refer to the Data Codes published by NIE Networks for a complete list of codes.</p>
2	SEG	Retained Meter ID	0..N	Optional	This segment identifies the Non-Interval Meters retained at a Meter Point.
3	FLD	Meter Category	1	Optional	Not Used.
3	FLD	Serial Number	1	Mandatory	The physical or badge number found on the meter.
3	SEG	Retained Meter Registers	0..N	Optional	This is the segment that stores information relating to the registers displayed on a meter.

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Segment and Field Level Identifier – 332 Message			Rpt	Optionality	Description / Purpose and composition instructions
4	FLD	Meter Register Sequence	1	Mandatory	Meter Register Sequence is an identifier to distinguish between different meter registers on a physical meter or set of meters.
4	FLD	Timeslot	1	Mandatory	Timeslot is a code that indicates the period that a meter is recording (or an un-metered installation is consuming electricity).  Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Unit of Measurement	1	Mandatory	Unit of measurement is a code that indicates the value that is measured e.g. KWh.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Meter Multiplier	1	Mandatory	Meter Multiplier is a factor to be applied to an advance or reading at a register in order to derive a true value.
4	FLD	Reading Value	1	Mandatory	Reading Value is the value of a reading measured in the units identified by the meter register prior to application of any multipliers.
4	FLD	Read Reason	1	Mandatory	Read Reason is a code that indicates the reason that a reading was collected. Read Reason will always be: <ul style="list-style-type: none"> <li>• <b>09</b> – Special Read – Non Chargeable</li> </ul>
4	FLD	Read Type	1	Mandatory	Read Type is a code that indicates whether a reading is an Actual, Customer, Estimated or Substitute reading. The following values are valid for Non-Interval de-energisations: <ul style="list-style-type: none"> <li>• <b>A</b> - Actual</li> <li>• <b>EF</b> – Estimate – Implausible / No Read Available</li> </ul>
4	FLD	Previous Read Date	1	Mandatory	The date from which consumption is calculated. This will be the previous actual read date or, where there has been a subsequent billing estimate, the date of the billing estimate. This is provided for kWh registers only.
4	FLD	Consumption	1	Optional	This data item is only provided for on consumption meters. Consumption is the metered or estimated consumption for the period from a previous read date to this read date, measured in kWh.
4	FLD	Post Decimal Digits	1	Optional	The number of digits after the decimal place on a meter register. This data is provided where it is defined for register and device and is dependant upon meter category.
4	FLD	Pre Decimal Digits	1	Optional	The number of digits before the decimal place on a meter register This data is provided where it is defined for register and device and is dependant upon meter category.

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Segment and Field Level Identifier – 332 Message			Rpt	Optionality	Description / Purpose and composition instructions
4	FLD	Register Type	1	Mandatory	Register Type is a code to indicate the purpose of the register.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Read Status	1	Mandatory	A code that indicates: <ul style="list-style-type: none"> <li>• <b>RV</b> - Reading Valid</li> <li>• <b>RREL</b> - Reading - Manually released</li> <li>• <b>REST</b> - Reading estimated</li> </ul>

### **4.20 332W Non-Interval Meter Technical Details – Withdrawn Read**

#### **4.20.1 Purpose / Description of Message**

The 332W Non-Interval Meter Technical Details – Withdrawn Read message informs the Supplier registered to the Non-Interval Meter point that previous readings provided on a 332 message have been withdrawn.

This includes the following details:

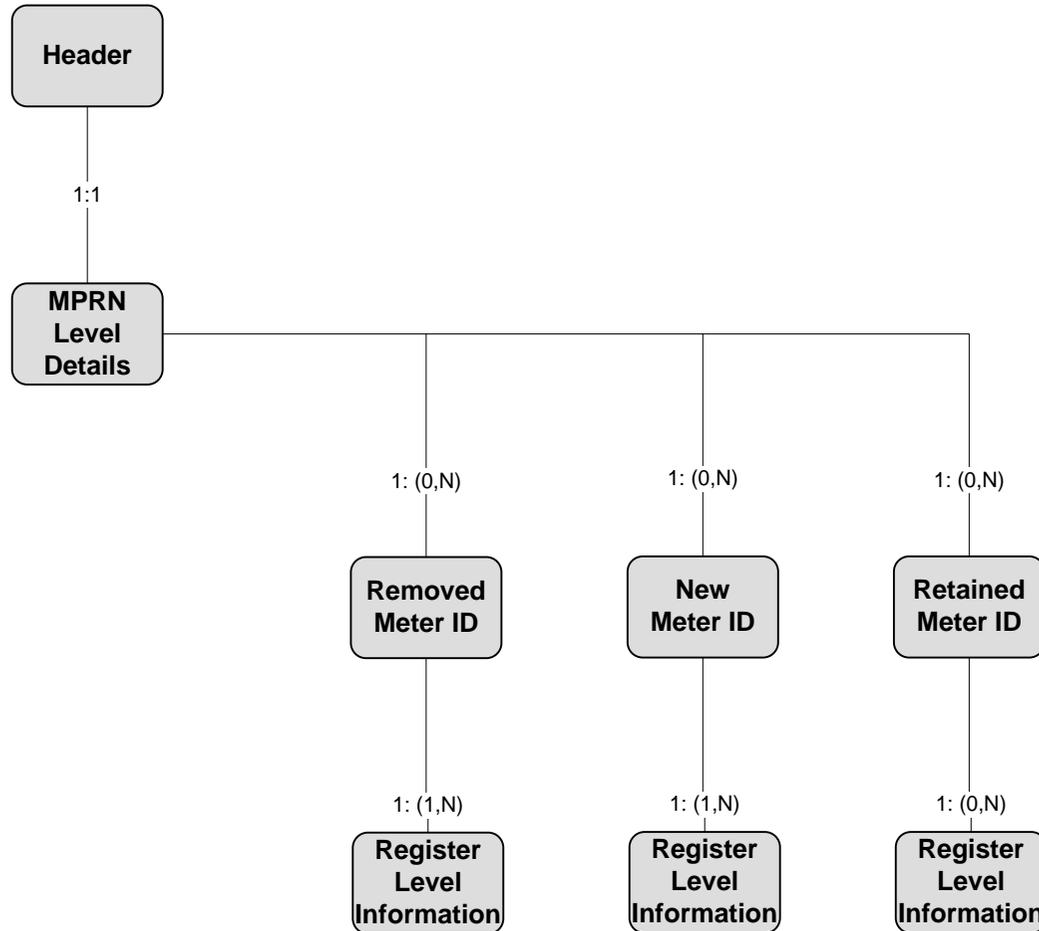
- The reason for the withdrawal
- The details applicable to the meter point, including MCC, DUoS Group and meter point status previously provided on the 332.
- The details of meters that have been removed from the Meter Point including register information from that meter and withdrawn readings
- The details of meters that have been newly installed at a meter point including register information from that meter and withdrawn readings
- The details of meters that are retained at a meter point following Fieldwork including register information from that meter and withdrawn readings.

Message 332W is used in the following Market Process:

<b>Process Number and Title</b>	<b>Use of Message</b>
MP NI 14 Reading Processing – Non Interval	To notify withdrawn readings for a Non-Interval meter point for a previously issued 332 message

4.20.2 Data Hierarchy Diagram

332W Message



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### 4.20.3 Message Structure

This section describes the structure of the 332W message. The purpose of the message segments and data items are explained and any rules for composition outlined.

Segment and Field Level Identifier – 332W Message			Rpt	Optionality	Description / Purpose and composition instructions
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.
1 Meter Point Details			1	Mandatory	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point that the customer has taken over. All elements of MPRN will be provided.
2	FLD	Market Participant Business Reference	1	Optional	This is the Supplier's number given as reference in the request. This will be used in future contact with Suppliers to reference the request.
2	FLD	Networks Reference Number	1	Mandatory	A reference to the field activity identifier used within NIE Networks when fieldwork is performed. Will not be used where changes do not arise from fieldwork.
2	FLD	Load Profile	1	Mandatory	A code denoting the standard load profile that determines, when coupled with Timeslot, the derived profile that is applied to consumption usage for settlement purposes. This refers to the value applied following the meter change (or from the effective date) and does not necessarily apply to consumption up to the point of the change.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
2	FLD	DUoS Group	1	Mandatory	This field will contain the code for the DUoS Tariff applied by NIE Networks to the Meter Point. This refers to the value applied following the meter change (or from the effective date) and does not necessarily apply to consumption up to the point of the change.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
2	FLD	Meter Point Status	1	Mandatory	Meter Point Status is a code to identify the connection status of a meter point following the works. This will be set to <ul style="list-style-type: none"> <li>• <b>E</b> - Energised</li> <li>• <b>D</b> - De-energised</li> <li>• <b>T</b> - Terminated</li> </ul>
2	FLD	Effective from Date	1	Mandatory	This is the date from which the meter data supplied became effective.

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Segment and Field Level Identifier – 332W Message			Rpt	Optionality	Description / Purpose and composition instructions
2	FLD	Meter Configuration Code	1	Mandatory	Meter Configuration Code (MCC) describes the current configuration of meter registers and other equipment at a Meter Point applying following the meter change (or from the effective date).
2	FLD	Tariff Configuration Code	1	Optional	A code to indicate the tariff (or rate category) functionality delivered by Keypad metering installed at a Keypad metered Non-Interval Meter Point.  It must be provided for Keypad metered Non-Interval Meter Points.
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: <ul style="list-style-type: none"> <li>• <b>A1</b>- Erroneous Change of Supplier</li> <li>• <b>A2</b> - Disputed CoS Meter Reading - a Change of Supplier reading or any other reading is disputed and is withdrawn as a result of the dispute</li> <li>• <b>A3</b> - Change of Supplier Cancellation - the reading was billed or attributed to the wrong Supplier because of a Change of Supplier cancellation</li> <li>• <b>A4</b> - Change of Supplier - the reading was billed or attributed to the wrong Supplier <b>other than</b> as a result of a Change of Supplier cancellation. These readings can be readings other than those used for the Change of Supplier itself.</li> <li>• <b>B1</b> - Incorrect MPRN - the reading was applied to the wrong MPRN</li> <li>• <b>C1</b> - Incorrect Estimation - an estimate is incorrect and is withdrawn as a result of a process other than a dispute from a Supplier</li> <li>• <b>C2</b> - Incorrect Meter Reading - a reading is incorrect and is withdrawn as a result of a process other than a dispute from a Supplier</li> <li>• <b>D1</b> - Incorrect Rate - a reading has been billed using an incorrect UoS Tariff</li> <li>• <b>D2</b> - Incorrect Billing Period - a reading has been billed to an incorrect period</li> <li>• <b>D3</b> - Incorrect Meter - the reading was applied to the wrong meter or meter register</li> </ul>
2	FLD	Keypad Premises Number	1	Optional	The Keypad Premises Number provided for keypad metered Non-Interval

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Segment and Field Level Identifier – 332W Message			Rpt	Optionality	Description / Purpose and composition instructions	
					Meter Points.	
2	SEG	Removed Meter ID		0..N	Optional	This segment identifies the Non-Interval Meters removed at a Meter Point if appropriate.
3	FLD	Meter Category	1	Optional	Not Used.	
3	FLD	Serial Number	1	Mandatory	The physical or badge number found on the removed meter.	
3	FLD	Exchanged Meter Reference	1	Optional	Not Used.	
3	SEG	Removed Register Level Information		1..N	Mandatory	This segment provides the information pertaining to the registers on meters that have been removed from the meter point.
4	FLD	Meter Register Sequence	1	Mandatory	Meter Register Sequence is an identifier to distinguish between different meter registers on a physical meter.	
4	FLD	Timeslot	1	Mandatory	A code that indicates the period that a meter register is recording.  Refer to the Data Codes published by NIE Networks for a complete list of codes.	
4	FLD	Unit of Measurement	1	Mandatory	Unit of measurement is a code that indicates the value that is measured.  Refer to the Data Codes published by NIE Networks for a complete list of codes.	
4	FLD	Meter Multiplier	1	Mandatory	Meter Multiplier is a factor to be applied to an advance or reading at a register in order to derive a true value.	
4	FLD	Reading Value	1	Mandatory	Reading Value is the value of a reading in the form passed to NIE Networks measured in the units identified by the meter register prior to application of any multipliers. May contain an estimate if read type so indicates.	
4	FLD	Read Reason	1	Mandatory	Read Reason is a code that indicates the reason that a reading was collected and will be set to: <ul style="list-style-type: none"> <li>• <b>13</b> – De-energisation</li> <li>• <b>16</b> - Closing Read before meter re-programming</li> <li>• <b>22</b> - Closing Reading (Register removed)</li> <li>• <b>23</b> - Meter Works single reading</li> <li>• <b>28</b> – Closing read before register renumber</li> </ul>	
4	FLD	Read Type	1	Mandatory	Read Type is a code that indicates whether a reading is Actual or Estimated. This will be set to either: <ul style="list-style-type: none"> <li>• <b>A</b> - Actual</li> <li>• <b>EF</b> – Estimate – Implausible / No Read Available</li> </ul>	
4	FLD	Previous Read Date	1	Mandatory	The date from which consumption is calculated. This will be the previous	

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Segment and Field Level Identifier – 332W Message			Rpt	Optionality	Description / Purpose and composition instructions
					actual read date or, where there has been a subsequent billing estimate, the date of the billing estimate. This is provided for kWh registers only.
4	FLD	Consumption	1	Optional	This data item is only provided for on consumption meters. Consumption is the metered or estimated consumption for the period from a previous read date to this read date, measured in kWh.
4	FLD	Post Decimal Digits	1	Optional	The number of digits after the decimal place on a meter register. This data is provided where it is defined for register and device
4	FLD	Pre Decimal Digits	1	Optional	The number of digits before the decimal place on a meter register This data is provided where it is defined for register and device
4	FLD	Register Type	1	Mandatory	Register Type is a code to indicate the purpose of the register.
4	FLD	Read Status	1	Mandatory	A code that indicates: <ul style="list-style-type: none"> <li>RWI – Reading Withdrawn</li> </ul>
2	SEG	New Meter ID	0..N	Optional	This segment identifies the Non-Interval Meters newly fitted or configured at a Meter Point.
3	FLD	Meter Category	1	Optional	Not Used.
3	FLD	Serial Number	1	Mandatory	The physical or badge number found on the meter.
3	FLD	Meter Location	1	Optional	Not Used.
3	FLD	Exchanged Meter Reference	1	Optional	Not Used.
3	SEG	New Meter Registers	1..N	Mandatory	This segment provides the information pertaining to the registers on meters that have been fitted at the meter point.
4	FLD	Meter Register Sequence	1	Mandatory	Meter Register Sequence is an identifier to distinguish between different meter registers 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.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Unit of Measurement	1	Mandatory	Unit of measurement is a code that indicates the value that is measured.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Meter Multiplier	1	Mandatory	Meter Multiplier is a factor to be applied to an advance or reading at a register in order to derive a true value.
4	FLD	Reading Value	1	Mandatory	Reading Value is the value of a reading in the form passed to NIE Networks measured in the units identified by the meter register prior to application of any multipliers.
4	FLD	Read Reason	1	Mandatory	Read Reason is a code that indicates the reason that a reading was collected.

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Segment and Field Level Identifier – 332W Message				Rpt	Optionality	Description / Purpose and composition instructions
						<p>The following codes are permitted for this item:</p> <ul style="list-style-type: none"> <li>• <b>11</b> – Start read after meter re-programming</li> <li>• <b>18</b> - Energisation</li> <li>• <b>21</b> - Start reading (New Register)</li> <li>• <b>23</b> – Meter Works single reading</li> <li>• <b>29</b> – Start Read after register renumber</li> </ul>
4	FLD	Read Type	1	Mandatory	<p>Read Type is a code that indicates whether a reading is Actual or Estimated. This will be set to:</p> <ul style="list-style-type: none"> <li>• <b>A</b> - Actual</li> </ul>	
4	FLD	Post Decimal Digits	1	Mandatory	<p>The number of digits after the decimal place on a meter register. This data is provided where it is defined for register and device. This is always provided for new meters.</p>	
4	FLD	Pre Decimal Digits	1	Mandatory	<p>The number of digits before the decimal place on a meter register This data is provided where it is defined for register and device. This is always provided for new meters.</p>	
4	FLD	Register Type	1	Mandatory	<p>Register Type is a code to indicate the purpose of the register.</p> <p>Refer to the Data Codes published by NIE Networks for a complete list of codes.</p>	
2	SEG	Retained Meter ID		0..N	Optional	<p>This segment identifies the Non-Interval Meters retained at a Meter Point.</p>
3	FLD	Meter Category		1	Optional	<p>Not Used.</p>
3	FLD	Serial Number		1	Mandatory	<p>The physical or badge number found on the meter.</p>
3	SEG	Retained Meter Registers		0..N	Optional	<p>This is the segment that stores information relating to the registers displayed on a meter.</p>
4	FLD	Meter Register Sequence		1	Mandatory	<p>Meter Register Sequence is an identifier to distinguish between different meter registers on a physical meter or set of meters.</p>
4	FLD	Timeslot		1	Mandatory	<p>Timeslot is a code that indicates the period that a meter is recording (or an un-metered installation is consuming electricity).</p> <p>Refer to the Data Codes published by NIE Networks for a complete list of codes.</p>
4	FLD	Unit of Measurement		1	Mandatory	<p>Unit of measurement is a code that indicates the value that is measured e.g. KWh.</p> <p>Refer to the Data Codes published by NIE Networks for a complete list of</p>

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Segment and Field Level Identifier – 332W Message			Rpt	Optionality	Description / Purpose and composition instructions
					codes.
4	FLD	Meter Multiplier	1	Mandatory	Meter Multiplier is a factor to be applied to an advance or reading at a register in order to derive a true value.
4	FLD	Reading Value	1	Mandatory	Reading Value is the value of a reading measured in the units identified by the meter register prior to application of any multipliers.
4	FLD	Read Reason	1	Mandatory	Read Reason is a code that indicates the reason that a reading was collected. Read Reason will always be: <ul style="list-style-type: none"> <li>• <b>09</b> – Special Read – Non Chargeable</li> </ul>
4	FLD	Read Type	1	Mandatory	Read Type is a code that indicates whether a reading is an Actual, Customer, Estimated or Substitute reading. The following values are valid for Non-Interval de-energisations: <ul style="list-style-type: none"> <li>• <b>A</b> - Actual</li> <li>• <b>EF</b> – Estimate – Implausible / No Read Available</li> </ul>
4	FLD	Previous Read Date	1	Mandatory	The date from which consumption is calculated. This will be the previous actual read date or, where there has been a subsequent billing estimate, the date of the billing estimate. This is provided for kWh registers only.
4	FLD	Consumption	1	Optional	This data item is only provided for on consumption meters. Consumption is the metered or estimated consumption for the period from a previous read date to this read date, measured in kWh.
4	FLD	Post Decimal Digits	1	Optional	The number of digits after the decimal place on a meter register. This data is provided where it is defined for register and device and is dependant upon meter category.
4	FLD	Pre Decimal Digits	1	Optional	The number of digits before the decimal place on a meter register This data is provided where it is defined for register and device and is dependant upon meter category.
4	FLD	Register Type	1	Mandatory	Register Type is a code to indicate the purpose of the register.  Refer to the Data Codes published by NIE Networks for a complete list of codes.
4	FLD	Read Status	1	Mandatory	A code that indicates: <ul style="list-style-type: none"> <li>• <b>RV</b> - Reading Valid</li> <li>• <b>RREL</b> - Reading - Manually released</li> <li>• <b>REST</b> - Reading estimated</li> </ul>

### 4.21 352R: Special Reading Request Rejection

#### 4.21.1 Purpose and Description of Message

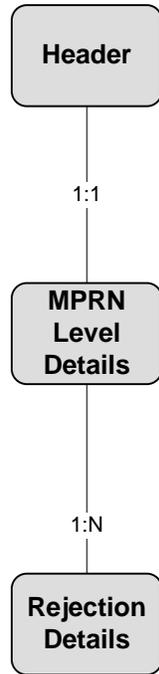
Message 352R is sent by NIE Networks to a Supplier to advise that a special read request has been rejected.

Message 352R is used in the following Market Process:

Process Number and Title	Use of Message
MP NI 14 Readings Processing – Non Interval	Change of Supplier – Non-Interval Metered – to dispute a Change of Supplier reading.
MP NI 18 Special Read Requests	Special Read Request - to request a special reading in cases other than Change of Supplier.

4.21.2 Data Hierarchy Diagram

352R Message



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### 4.21.3 Message Structure

Segment and Field Level Identifier – 352R Message			Rpt	Optionality	Description / Purpose and composition instructions																
1 Message Header			1	Mandatory	Refer to <i>Common Data Segments</i> document for detailed notes on structure and population.																
1 MPRN Level Details			1	Mandatory																	
2	FLD	MPRN	1	Mandatory	The unique identifying reference number for the Meter Point.																
2	FLD	Market Participant Business Reference	1	Mandatory	This is the Supplier's own internal reference number that was provided on the initiating 252 message. The initiating message's MPB Reference number will be provided here on the 352R message.																
2	FLD	Supplier Id	1	Mandatory	The Supplier Id provided by the Supplier on the initiating 252 message.																
2	FLD	Read Type	1	Mandatory	The Read Type provided by the Supplier on the initiating 252 message.																
2	FLD	Read Reason	1	Mandatory	The Read Reason provided by the Supplier on the initiating 252 message.																
2	FLD	Request Status	1	Mandatory	The Request Status provided by the Supplier on the initiating 252 message.																
2	FLD	Required Date	1	See description	The Required Date if and as provided by the Supplier on the initiating 252 message.																
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	Reject Reason is a code to identify why data was rejected. The valid reject reasons for this message are as follows: <table border="1" data-bbox="1153 1045 1982 1348"> <tbody> <tr> <td><b>AIM</b></td> <td>Appointment ID does not match MPRN</td> </tr> <tr> <td><b>CCC</b></td> <td>Completed, cannot be cancelled (For Withdraw request)</td> </tr> <tr> <td><b>DID</b></td> <td>Duplicate Appointment ID</td> </tr> <tr> <td><b>DIJ</b></td> <td>Data Invalid for Jurisdiction</td> </tr> <tr> <td><b>DUP</b></td> <td>Duplicate Request</td> </tr> <tr> <td><b>IA</b></td> <td>Invalid Action</td> </tr> <tr> <td><b>IAI</b></td> <td>Invalid Appointment ID</td> </tr> <tr> <td><b>IMP</b></td> <td>Invalid MPRN</td> </tr> </tbody> </table>	<b>AIM</b>	Appointment ID does not match MPRN	<b>CCC</b>	Completed, cannot be cancelled (For Withdraw request)	<b>DID</b>	Duplicate Appointment ID	<b>DIJ</b>	Data Invalid for Jurisdiction	<b>DUP</b>	Duplicate Request	<b>IA</b>	Invalid Action	<b>IAI</b>	Invalid Appointment ID	<b>IMP</b>	Invalid MPRN
<b>AIM</b>	Appointment ID does not match MPRN																				
<b>CCC</b>	Completed, cannot be cancelled (For Withdraw request)																				
<b>DID</b>	Duplicate Appointment ID																				
<b>DIJ</b>	Data Invalid for Jurisdiction																				
<b>DUP</b>	Duplicate Request																				
<b>IA</b>	Invalid Action																				
<b>IAI</b>	Invalid Appointment ID																				
<b>IMP</b>	Invalid MPRN																				

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Segment and Field Level Identifier – 352R Message			Rpt	Optionality	Description / Purpose and composition instructions	
					<b>IRQ</b>	Invalid Request Status
					<b>IRR</b>	Invalid Read Reason
					<b>IRT</b>	Invalid Read Type
					<b>MIA</b>	Meter Work Type on Message is incompatible with details provided on Appointment Booking system
					<b>NID</b>	No Appointment ID
					<b>NMR</b>	No Matching Request (For Withdraw request)
					<b>NOR</b>	No outstanding request, cannot be cancelled
					<b>SNK</b>	Supplier not known
					<b>SNR</b>	Supplier not Registered to MPRN
					<b>TMP</b>	Terminated MPRN

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### APPENDIX 1

The tables below outline the valid combinations of Read Reason, Read Type and Read Status that can be found on messages 306, 307 and 332.

#### Appendix 1A – Message 306 Combinations

Scenarios	Read Reason	Read Type	Read Status	Comments
Non-Interval De-energisation with no meter removal	13 - De-energisation	A - Actual	RV	
		A - Actual	RREL	
		E - Estimate (No Access)	REST	Where a final billing must take place

#### Appendix 1B – Message 307 Combinations

Scenarios	Read Reason	Read Type	Read Status	Comments
Non-Interval Re-energisation with no meter installation	18 - energisation	A - Actual	RV	
		A - Actual	RREL	

#### Appendix 1C – Message 332 Combinations

Scenarios	Read Reason	Read Type	Read Status	Comments
Meter Removal concurrent with de-energisation	13 - De-energisation	A - Actual	RV	
		A - Actual	RREL	

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Scenarios	Read Reason	Read Type	Read Status	Comments
		E - Estimate	REST	
Meter install concurrent with energisation	18 - Energisation	A - Actual	RV	
		A - Actual	RREL	
Meter Changes	21 - Start read for new register	A - Actual		
	22 - closing read for register removed	A - Actual	RV	
		A - Actual	RREL	
		E - Estimate	REST	
	16 - Closing read before meter re-programme	A - Actual	RV	
		A - Actual	RREL	
		E - Estimate	REST	
	23 - Fieldwork single read	A - Actual	RV	
		A - Actual	RREL	
		E - Estimate	REST	
	28 - Closing read before register renumber	A - Actual	RV	
		A - Actual	RREL	
		E - Estimate	REST	
	29 - Opening read after register renumber	A - Actual		
	11 - Opening read after meter re-programme	A - Actual		
Removal of some meters/registers whilst leaving some in place	09 – Special Read (Non-chargeable)	A – Actual	RV	

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Scenarios	Read Reason	Read Type	Read Status	Comments
		A – Actual	RREL	
		E - Estimate	REST	