

## **Gas MaP Project**

# **MPD9 - Meter Read Query Resolution**

Version 3.0

Approved

3<sup>rd</sup> November 2008

## Market Process Definitions

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### 2. Revision History

Version	Date	Revision Description
2.0	26/10/2006	Base-lined on the basis of CER approval on 04/10/2006
2.9	16/09/2008	Draft for approval – baselining for go-live
3.0	03/11/2008	Base-lined on the basis of CER Approval on 17/10/2008.

# **1. Introduction**

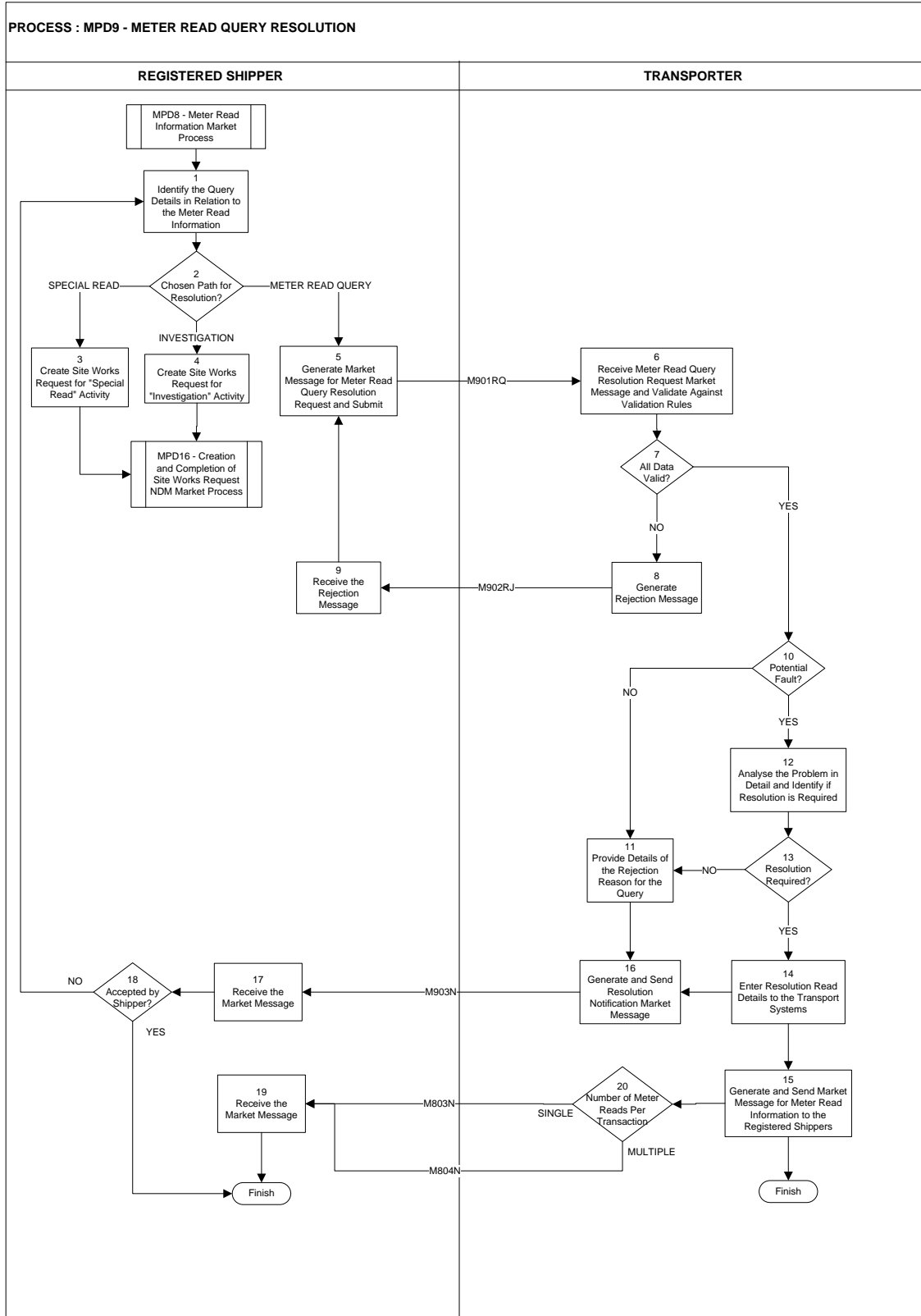
## **1.1 Scope**

This document outlines the Meter Read Query Resolution process that identifies the resolution methods for Shipper's Meter Read related queries for Generic and Volume Corrected NDM Gas Points.

<b>1.2 History of Changes</b>	
<b>Source of Changes</b>	<b>Description of Change</b>
CR021	Baselined for go-live and changes made in line with Change Request 021

# Market Process Definitions

## 2 Market Process Map



## Market Process Definitions

3 Market Process Description			
Step	Role	Actions	Interfaces
1	Shipper	Shipper receives the meter read information market messages for NDM – Generic and Volume Corrected gas points as part of the MPD8 – Meter Read Information Market Process and identifies a problem with the read meter information.	
2, 3, 4 and 5		<p>The Shipper can take one of three alternative routes to resolve a query about meter read information;</p> <ul style="list-style-type: none"> <li>- Follow the Meter Read Query Resolution Market Process as outlined in this MPD.</li> <li>- Create a Site Works Request for 'Special Read' activity as part of <i>MPD16 – Creation and Completion of Site Works Request NDM Market Process</i>.</li> <li>- Creation of Site Works Request for 'Investigation' activity as part of <i>MPD16 – Creation and Completion of Site Works Request NDM Market Process</i>.</li> </ul> <p>If the Shipper chooses the first option, a Meter Read Query Resolution Request market message is generated and sent to the Transporter. The key data elements of the request will include;</p> <ul style="list-style-type: none"> <li>⇒ GPRN (M)</li> <li>⇒ Read Taken Date (M)</li> <li>⇒ Order of Read Number (M)</li> </ul>	M901RQ to Transporter

## Market Process Definitions

		<p>⇒ Query Subject (M)</p> <p>⇒ Query Details (M)</p> <p>The mandatory fields are indicated by (M) above.</p>	
6, 7	Transporter	The Transporter receives the Meter Read Query Resolution request market message from the Shipper and validates it (see section 4.1 for validation criteria).	M901RQ from Shipper
8		<p>If the Meter Read Query Resolution request market message from the Shipper fails validation, the Transporter sends a rejection message to the Shipper.</p> <p>The message will include why the Meter Read Query Resolution Request market message is invalid.</p>	M902RJ to Shipper
9	Shipper	The Shipper receives the rejection message from the Transporter and must modify the details before re-submitting a Meter Read Query Resolution Request as in Step 5.	M902RJ from Transporter
10	Transporter	The Transporter receives the Meter Read Query Resolution Request market message and processes it.	

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11, 16		If the Transporter can not identify a potential fault in relation to the meter read query resolution request, the rationale for a resolution not being required is sent to the Shipper as part of M903N – Meter Read Query Resolution Notification Message.	M903N to Shipper
17,18	Shipper	The Shipper receives and processes M903N – Meter Read Query Resolution Notification Message from the Transporter. If the resolution is not accepted by the Shipper, a new query is created and sent to the Transporter (beginning back at Step 1).	M903N from Transporter
12, 13, 14 and 16	Transporter	<p>If the Transporter identifies a potential fault in relation to the Meter Read Query, the problem is analysed in detail by determining the consumption pattern and calculating FAR Estimate or entering an actual read as appropriate. The Transporter also compares the read details to resolve the query. After this analysis, the Transporter enters the Resolution Read Details to the Transport System and an M903N – Meter Read Query Resolution Notification market message is sent to the Shipper (containing resolution details).</p> <p>Any subsequent Meter Read Information details will be entered to the Transport systems by the Transporter as appropriate to the resolution.</p>	M903N to Shipper

## Market Process Definitions

<p>15 and 20</p>		<p>Any subsequent Meter Read Information details will be issued in M803N or M804N market message as appropriate to the resolution identified.</p> <p>The Transporter generates and sends relevant Meter Read Information market message (M803N or M804N based on the number of Meter Reads required per single business transaction for a single gas point - e.g. two Meter Reads are required per Meter Exchange meter read information) to the Shipper based on the FAR Estimate or entered actual read as outlined in the M903N – Meter Read Query Resolution Notification market message. Meter Read Information market messages will be generated by a Transport Systems batch program which will be executed as part of the batch schedule.</p> <p>The key data elements of the message will include;</p> <ul style="list-style-type: none"> <li>⇒ GPRN (M)</li> <li>⇒ Read Taken Date (M)</li> <li>⇒ Order of Read Number (M)</li> <li>⇒ Meter No (M)</li> <li>⇒ Meter Sequence Number (M)</li> <li>⇒ Meter Type (M)</li> <li>⇒ Volume-Corrected (M)</li> <li>⇒ Read Type (M)</li> <li>⇒ Volume Index (M)</li> <li>⇒ Meter Head Index (O)</li> <li>⇒ Uncorrected Index (O)</li> <li>⇒ Consumption (Units) (M)</li> </ul>	<p>M803N or M804N to Shipper</p>
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## Market Process Definitions

		<ul style="list-style-type: none"> <li>⇒ Consumption (kWh) (M)</li> <li>⇒ Conversion Factor (M)</li> <li>⇒ Average Calorific Value (M)</li> <li>⇒ Metric/Imperial Conversion Factor (M)</li> <li>⇒ CV Zone Correction Factor (M)</li> <li>⇒ GPRN Correction Factor (M)</li> <li>⇒ Supply Point Capacity (M)</li> <li>⇒ GPRN Annual Quantity (M)</li> <li>⇒ Consumption Band (M)</li> <li>⇒ A-Factor (M)</li> <li>⇒ B-Factor(M)</li> </ul> <p>The mandatory and optional fields are indicated by (M) and (O) respectively.</p>	
19	Shipper	The Shipper receives the Meter Read Information market message from the Transporter.	M803N or M804N from Transporter

## 4 Supplementary Information

### 4.1 Validation Rules

The following validation criteria will apply for M901RQ - Meter Read Query Resolution message (as per Meter Read Validation Procedure in section 3.4 of the MDS Procedures document):

- ⇒ The code in “Shipper ID” field is valid
- ⇒ The number of digits in GPRN is valid
- ⇒ There is a meter on the GPRN
- ⇒ The GPRN is registered to the “Shipper ID”

## Market Process Definitions

### 4.2 Key Notes

- ⇒ Shippers use this process to query a Meter Read that has been sent to them as part of MPD8 – Meter Read Information Market Process. Please refer to *MPD8 – Meter Read Information Market Process* documentation for more details.
- ⇒ Any subsequent Meter Read Information details will be issued in M803N or M804N market message as appropriate to the resolution identified. Please refer to *MPD8 – Meter Read Information Market Process* documentation for more details.
- ⇒ The dispute resolution process described above will be initiated by the Shipper via market message (M901RQ). This process may include telephone conversations between the Shipper's Representative and the Transporter's Metering Department Representative for additional information and inquiries until the dispute is closed. The Transporter will send the provided resolution details to the Shipper via market message (M903N).
- ⇒ Meter Read Information details for Distribution connected DM (Daily Metered) sites, will be available to the Shippers via the GTMS.