

Discussion Request 1160			Smart Metering_Meter Works		
Status	Approved	Priority	High	Status Date	24/06/2015

Date	Version	Reason for Change	Version Status
17/06/2015	1.0	Issued to Market	Final

Part 1 DETAIL OF DISCUSSION REQUEST / MARKET CHANGE REQUEST			
Requesting Organisation(s)	NSMP	Originating Jurisdiction	RoI
Request Originator Name	Michael Moloney		
Date Raised	11/03/2015		

Classification of Request			
Jurisdictional Applicability	RoI	Jurisdictional Implementation	RoI Specific
If jurisdictional implementation is for one jurisdiction only – is the other jurisdiction required to effect any changes?	Yes	Co-Ordinated Baseline Version No.	tbc
Change Type	Schema Impacting		

Detail of Request
Reason for Request
<p>Background</p> <p>The CER, working closely with the Department of Communications, Energy and Natural Resources (DCENR), established the National Smart Metering Programme (NSMP) in late 2007. In Phase 1, a trial was carried out in order to assess the costs and benefits of smart meters and to inform decisions relating to the full rollout. In July 2012 a decision was announced to rollout electricity and gas smart meters for all residential and small and medium sized businesses. Phase 2 commenced in January 2013 and is broadly composed of a high level design and procurement phase. [CER14046]</p> <p>The Smart Metering High Level Design Decision Paper published in October 2014 outlines the decisions with regard to the high level design stage within Phase 2 with regards to 1) Core Design, 2) Time of Use Tariffs, 3) Presentation of Energy Usage information to consumers and 4) Pay As You Go (PAYG) solution. This next stage is to work through 5 process groups sequentially at MPD and Schema detail level to inform the Detail Design of the ROI Retail Market Design.</p> <p>This DR provides details of the Retail Market Design within the Process Group of Meter Works.</p> <p>This DR has been produced by the National Smart Metering Programme, following an approved process with Market Participants in ROI and NI, involving six months of retail market workshops with regular status updates to the ReMCoWG.</p>

Proposed Solution
<p>The scope and content of the proposed changes, involving changes to Market Messages, Data Items, Data Definitions and Data Codes, would not conveniently be described directly in this DR document. Rather, the details are contained in the embedded Presentation Pack and amended Design Documents (with track changes).</p>
Scope of Change

Jurisdiction	Design Documentation	Business Process	DSO Backend System Change	MP Backend System Change	Tibco	Supplier EIMMA	Schema	Webforms	Extranet/NI Market Website
ROI	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
NI	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>

Co-Ordinated Baseline Market Design Documents Impacted by Request

Market Messages				
Message No.	Message Name	COBL	ROI	NI
301	Meter Point Characteristics	Non Impacted	MMG	Non Impacted
017	Meter Point Status Change Request	Impacted	Impacted	Impacted
137R	Rejection of Appointment	Non Impacted	MMG	Non Impacted
117R	Meter Point Status Request Rejection	Impacted	Impacted	Non Impacted
303R	Customer Read Rejection	Impacted	Impacted	Non impacted
106D	Meter Point Status Change Confirmation	Non Impacted	MMG	Non Impacted
106E	Meter Point Status Change Confirmation	Non Impacted	MMG	Non Impacted
306	Meter Point Status Change Confirmation De-Energisation	Non Impacted	MMG	Non Impacted
306W	Meter Point Status Change De-Energisation Withdrawn Read	Non Impacted	MMG	Non Impacted
331	Interval Meter Technical Details	Impacted	Impacted	Impacted
332	Non Interval Meter Technical Details	Impacted	Impacted	Impacted
332W	Withdrawn Read Non Interval Meter Technical Details	Impacted	Impacted	Impacted
131	Work Status	Impacted	Impacted	TBC once information available
030	Meter Works Request	Non Impacted	MMG	Non Impacted
130D	Meter Works Request Delayed	Impacted	Impacted	Non Impacted
130R	Meter Works Request Rejection	Impacted	Impacted	Non Impacted
330	Non Interval to Interval Change	Non Impacted	MMG	Non Impacted

Data Definitions

Smart Non Participation Code - Code to identify Smart Non Participation details as

- 1) Non Interval Data
 - 2) Non Technical Non Participation
 - 3) Multiple Visits No Access
 - 4) Smart Meter Exchange Deferred
- "Used in NI?" column to be set to "No"

Comms Technically Feasible - This flag indicates to a supplier the feasibility of the Communications to the Smart meter

"Used in NI?" column to be set to "No"

Metering Interval – amended to Metering Interval identifies, for the Retail Market, the length of a period when consumption is recorded on a profile meter. Metering Interval is a class of interval

DUoS Billing Frequency - Duos Billing Frequency is a code that indicates the frequency of Duos billing at the meter point

"Used in NI?" column to be set to "No"

Duos Billing Cycle - Duos Billing Cycle Day refers to the day in a 41 working day cycle (ROI) that a Half Hourly meter is due to be Duos Billed

"Used in NI?" column to be set to "No"

Data Codes

New Smart Non Participation Codes on MM017

01 Non Interval Data

"Valid in NI?" to "No".

New Comms Technically Feasible Code on MM331, MM332, MM332W boolean

Meter Point Status Reason – new codes on MM017

D04 De-Energise Customer works

D05 De-Energise (HH Prepayment)

E05 Re-energise (HH PrePayment)

"Valid in NI?" to "No".

Meter Point Status – new code on MM106D, MM306, MM306W, MM332, MM332W. MM331, MM131

DR De-energised Remote

"Valid in NI?" to "No".

MM117R - Reject Reason

MIC removed -(MIC already stated as "No" not a valid Reject Reason in NI)

IMF added As per current NI baseline NI will not be using IMF on 117R as a reject reason.

SNP – Smart Non Participation Details "Valid in NI?" column to be set to "No"

MM331

Metering Interval

15 15 minutes "Valid in NI?" column to be set to "No"

30 30 minutes "Valid in NI?" column to be set to "Yes"

24 24 hr Cumulative Register End of Day reading "Valid in NI?" column to be set to "No"

Register Type code "Valid in NI?" column to be set to "No"

70 Import HH kW

71 Import HH kVAr

72 Export HH kW

73 Export HH kVAr

74 Import 24hr kWh

75 Import 24hr kVArh

76 Export 24hr kWh

77 Export 24hr kVArh

MM303R –

Reject Reason - IRI Invalid Request Half Hourly site
 Reject Reason - RIR Remote Site Invalid Read
 "Valid in NI?" column to be set to "No"

Market Message Implementation Guides			
ROI	Yes/No	NI	Yes/No
ROI Market Message Guide – Meter Works	Yes	NI Market Message Implementation Meter Works	Yes

Comments
<p>All Market Design Documentation for SMART Metering Retail Market Design Workshops affected by this DR1160 can be found on the RMDS Secure Website.</p> <p><u>Documents:</u></p> <p>MPD 08 1.1 – Change to Connection Characteristics – SMART ver. 1.0 MPD 08 1.1 – Change to Connection Characteristics Non Interval End to End Diagram – SMART ver. 1.0</p> <p>MPD 09 – De-Energisation – SMART ver. 1.0 MPD 09 – De-Energisation End to End Diagram – SMART ver. 1.0</p> <p>MPD 10 – Re-Energisation – SMART ver. 1.0 MPD 10 – Re-Energisation End to End Diagram – SMART ver. 1.0</p> <p>MPD 11 – Changes to Meter Configuration – SMART ver. 1.0 MPD 11 – Changes to Meter Configuration End to End Diagram – SMART ver. 1.0</p> <p>MPD 12 – Meter Problems and Damage – SMART ver. 1.0 MPD 12 – Meter Problems and Damage End to End – SMART ver. 1.0</p> <p>MPD 13 – Planned Meter Exchange – SMART ver. 1.0 MPD 13 – Planned Meter Exchange Unit End to End – SMART ver. 1.0</p> <p>MPD 35 – Change of Metering Non QH to Interval – SMART ver. 1.0 MPD 35 – Change of Metering Non QH to Interval End to End – SMART ver. 1.0</p> <p>MPD 35.1 – Change of Metering Half Hour Interval to Non Interval – SMART ver. 1.0 MPD 35.1 – Change of Metering Half Hour Interval to Non Interval End to End – SMART ver. 1.0</p> <p>ROI Market Message Guide – Meter Works – SMART ver. 1.0</p> <p>Retail Market Impacts Meter Works – SMART ver. 1.0</p> <p><u>Smart CoBL v2.4</u></p> <p>NI: 017 - NI MMIG - Meter Works 017MM will be updated to include New Segment "Smart Non Participation Details" and associated Field "Smart Non Participation Code" but will be marked as "Not Used in NI" 331 - NI MMIG - Meter Works 331MM will be updated to include New Field "Comms Technically Feasible" but will be marked as "Not Used in NI" 332 - NI MMIG - Meter Works 332MM will be updated to include New Field "Comms Technically Feasible" but will be marked as "Not Used in NI" 332W - NI MMIG - Meter Works 332WMM will be updated to include New Field "Comms Technically Feasible" but will be marked as "Not Used in NI"</p>

ROI - Market Process Diagrams – MPDs		
Market Process Diagram Number	Market Process Diagram Description	Affected
MPD 08 1.1	Changes to Connection Characteristics	Yes
MPD 09	De-Energisation	Yes
MPD 10	Re-Energisation	Yes
MPD 11	Changes to Meter Configuration	Yes
MPD 12	Meter Problems and Damage	Yes
MPD 13	Planned Meter Exchange – NEW	Yes
MPD 35	Change of Metering NQH to QH	Yes
MPD 35.1	Change of Metering HH Interval to Non Interval - NEW	Yes

NI - Market Procedures		
Market Process Number	Market Procedure	Affected
No Impact	No Impact	No Impact

ROI – Guidance Documentation		
Document	Version	Affected
No Impact		No Impact

ROI – Briefing Documents		
Document	Version	Affected

User and Technical Documents			
Reference	Name	Version	Affected
No Impact			No Impact

Part 2 - Performance and Data Changes	
Market Messages volume, processing etc.	
Data	
Details of Data changes e.g. cleansing	

Part 3 - ReMCoSG / CER Approval		
Approved by	ReMCoSG	CER
Comments		