

Market Change Request 1159			Smart Metering Change of Supplier		
Status	Approved	Priority	High	Status Date	20/03/2019

Date	Version	Reason for Change	Version Status
24/06/2015	2.0	Converted to MCR	Final
28/01/2019	3.0	2018 Smart MCR/DR Re-Versioning Activity	Final

Part 1 DETAIL OF DISCUSSION REQUEST / MARKET CHANGE REQUEST			
Requesting Organisation(s)	NSMP	Originating Jurisdiction	RoI
Request Originator Name	Michael Moloney		
Date Raised	04/03/2015		

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 CRU, 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 Change of Supplier.</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> <p>2018 SMART MCR/DR Re-Versioning Driver</p> <p>The original NSMP Programme plan envisaged a “big bang” delivery of all NSMP functionality for electricity, gas and in-home data Smart services, with an estimated delivery date in 2023. In early 2017 ESNB submitted a revised proposal to the NSMP to CRU, outlining a phased approach to the delivery of Smart Metering and the NSMP High Level Design (HLD). The proposal foresees delivery over three distinct phases.</p> <p>Phase 1 delivers the installation of 250,000 Smart Electricity Meters by the end of 2020 (Meter installation is expected to begin prior to August 2019). With the Market Schema Release delivered at the end of 2020, all system, business and market changes will have been completed to allow 30-minute interval data to flow to Suppliers via the Market Systems and for Interval Data to be used in all market processes including DUoS Billing and Market Settlement Aggregation. Smart Pre-Payment services without remote de-energisation/energisation can also begin after this phase and Suppliers will have the ability to offer new Time-of-Use based tariffs to their customers.</p>

Phase 2 delivers the installation of an additional 1 million Smart Electricity Meters by the end of 2022. With the Market Schema Release at the end of 2022, all retail market use cases requiring remote and local operation of the service switch in Smart Electricity Meters will be enabled. Smart Pre-Payment services with remote de-energisation/energisation can begin after this phase.

Phase 3 delivers the installation of an additional 1 million+ Smart Electricity Meters by the end of 2024. Along with the Market Schema Release at the end of 2024, Gas Smart Metering Services and In-Home Data Services will be enabled. The installation of Smart Gas Meters and In-Home Display devices can begin after this phase.

This Phased Approach proposal has been positively received by CRU and Energy Suppliers and now forms the basis of ESBNs plans and assumptions in respect of the NSMP. The CRU approval of the phased approach was publically announced in September 2017.

NSMP Programme is currently progressing through Phase 1, and it is within this phase that the SMART MR/DR re-versioning activity is being carried out.

Proposed Solution

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 linked amended Design Documents (with track changes).

Scope of Change

Jurisdiction	Design Documentation	Business Process	DSO Backend System Change	MP Backend System Change	Tibco	Supplier EMMVA	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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Co-Ordinated Baseline Market Design Documents Impacted by Request

Market Messages				
Message No.	Message Name	CoBL	ROI	NI
010	Registration Request	Impacted	Impacted	Smart Non Participation codes tbc
102	Change of Supply Registration Acceptance	Impacted	Impacted	Non Impacted
102A	Change Of Supplier Advice Notification new	Impacted	Impacted	Non Impacted
102P	Change of Supplier Provisional Acceptance	Impacted	Impacted	Non Impacted
102R	Change of Supplier Registration Rejection	Impacted	Impacted	Non Impacted
105	Change of Supplier Confirmation	Impacted	Impacted	Non Impacted
112R	Notification of Objection Rejection	Impacted	Impacted	Non Impacted
310	Validated CoS Reading	Non Impacted	MMG	Non Impacted
310W	Withdrawn CoS Reading	Non Impacted	MMG	Non Impacted
320	Validated CoS Reading	Non Impacted	MMG	Non Impacted
320W	Withdrawn CoS Reading	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
Delete Smart Non Participation Flag - This is a flag indicating whether or not Smart Non Participation details are to be deleted
Comms Technically Feasible - This flag indicates to a supplier the feasibility of the Communications to the Smart meter
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 On 102, 102A, 102P, 105
Meter Configuration Code – remove from MM010
Registration Meter Configuration Code – remove from MM102 and MM102P

Data Codes
New Smart Non Participation Codes on 010, 101, 101P, 102, 102A, 102P, 105 01 Non Interval Data 02 Non Technical Non Participation 03 Multiple Visits No Access 04 Smart Meter Exchange Deferred Different combination of the 4 codes above on relevant Market Messages
Smart Data Services Code 01 - Interval Services 02 - Non Interval Services
New Comms Technically Feasible Code on 102, 102A, 102P, 105 - boolean
New Rejection Codes SCI Smart Configuration Invalid

SNP Smart Non Participation details invalid
 NSM No Smart Meter
 ISR Inconsistent Service Request

Deleted MC – Meter Change from MM010, Data Item Change of Supplier Read Arrangement

New Meter Point Status – DR – De-energise remote on **102P, 310, 310W**

102R

- **New Reject Reason Code - IM – Interval Meter Point** on 102R
- **Remove IMF** The CoS Read Arrangement is 'MC' but the requested Meter Configuration Code is not valid on 102R
- **Add DIJ** will be used where read arrangement MC is populated on 102R
- **IM Replaces QHM** (still valid for 112R) A CoS Read Arrangement was provided for an Interval Meter Point
- If Half Hourly site has trading site Supplier Unit on 010 will issue with existing Reject Reason Code of TSR

SCI – Smart Configuration Invalid where Smart Data Services exist but haven't been requested
 NSM – Smart Configuration Invalid where Smart Data Services have been requested without a smart Meter present on site
 IMF- Invalid Meter configuration Code where the Smart Data Service requested and MCC are invalid
 SNP – Smart Non Participation details invalid
 ISR – Smart Non Participation details and Smart Data Services have been populated together

112R

Code Description change: QHM – An objection is not valid for an **QH** Interval Meter Point

Extranet/ Downloadable Files

Data codes to be added

Non Technical Non Participation	02
Multiple Visits No Access	03
Smart Meter Exchange Deferred	04
Interval Services	01
Non Interval Services	02
Comms Proving failed	01
Non Interval Service Standard	02
Interval Service Standard	03
Remote Re-energisation Pre Payment standard of quality	04
MCC12	HH1CH_1CR_IP
MCC16	SST IMP
08:00-17:00 & 19:00-23:00 Day Consumption	01D
23-08 Night Consumption	01N
17:00-19:00 Peak Consumption	01P

Market Message Implementation Guides

ROI	Yes/No	NI	Yes/No
Meter Registration	Yes	Meter Registration	No

Comments

[MCR1159 Presentation](#)

ROI - Market Process Diagrams – MPDs

Market Process Diagram Number	Market Process Diagram Description	End to End Diagram	Affect ed
MPD 01	MPD 01 - Change of Supplier - Non Interval	Click Here	Yes
MPD 02	MPD 02 - Change of Supplier - Interval	Click Here	Yes
MPD 03	MPD 03 - Objection and Cancellation	Click Here	Yes
MPD 3.1	MPD 03.1 Automated Debt Flagging	Click Here	Yes
MPD 04	MPD 04 – Supplier of Last Resort	Click Here	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/Paper	Version	Affected
No impact		No Impact

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		