

Market Change Request 1158			Smart Metering Customer Data Changes		
<b>Status</b>	Approved	<b>Priority</b>	High	<b>Status Date</b>	20/03/2019

Date	Version	Reason for Change	Version Status
24/06/2015	2.0	Converted to MCR	Final
21/02/2019	3.0	2018 Smart MCR/DR Re-Versioning Activity	Final

Part 1 DETAIL OF DISCUSSION REQUEST / MARKET CHANGE REQUEST			
<b>Requesting Organisation(s)</b>	NSMP	<b>Originating Jurisdiction</b>	RoI
<b>Request Originator Name</b>	Michael Moloney		
<b>Date Raised</b>	11/02/2015		

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

Detail of Request
Reason for Request
<p><b>Background</b></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 MCR provides details of the Retail Market Design within the Process Group of Customer Data Changes.</p> <p><b>2018 SMART MCR/DR Re-Versioning Driver</b></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.</p> <p>In early 2017 ESN 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>

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.

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 ESB's 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 MCR document.  
Rather, the details are contained in the embedded Presentation Pack and the 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 EMMA	Schema	Webforms	Extrane/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 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
013	Customer Details Change	Impacted	Impacted	Impacted(DIJ)
014R	Customer Details Rejection	Impacted	Impacted	No Impact
016	Change Of Legal Entity	Impacted	Impacted	Impacted(DIJ)
114	Change of Customer Details Confirmation	Impacted	Impacted	No Impact
116A	Change Of Legal Entity Confirmation	Impacted	Impacted	No Impact
116R	CoLE Rejection	Impacted	Impacted	No Impact

**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

**Smart Data Services**

- 01 - Interval Services
- 02 - Non Interval Services

**Delete Smart Non Participation Flag** – This is a flag indicating whether or not Smart Non Participation details are to be deleted.

Data Codes
<p><b>Smart Non Participation Code on MM013, MM016, MM114</b></p> <p>01 Non Interval Data                      02 Non Technical Non Participation                      03 Multiple Visits No Access                      04 Smart Meter Exchange Deferred</p> <p><b>Smart Data Services Code on MM013, MM016, MM114</b></p> <p>01 - Interval Services                      02 - Non Interval Services</p> <p><b>Smart Non Participation Code on MM114</b></p> <p>02 Non Technical Non Participation                      03 Multiple Visits No Access                      04 Smart Meter Exchange Deferred</p> <p><b>Reject Reason Code on MM116R, MM014R</b></p> <p>SNP - Smart Non Participation details invalid                      SCI - Smart Configuration Invalid                      IMF - Invalid Meter Configuration code                      RCF - Remote Change Failed                      NSM No Smart Meter</p> <p><b>Reject Reason Code on MM014R</b></p> <p>CIP CoS in progress (existing code added to MM014R)                      IMS - Invalid MPRN status                      SNP - Smart Non Participation details invalid                      IMF - Invalid Meter configuration code                      RCF - Remote Change Failed                      NSM No Smart Meter                      ISR Inconsistent Service Request</p> <p><b>Comms Technically Feasible on MM114</b></p> <p>Boolean (true/false)                      01 Comms Proving Failed                      02 Non Interval Service Standard                      03 Interval Service Standard                      04 Remote Re-energisation Pre Payment standard of quality</p>

**Market Message Implementation Guides**

ROI	Yes/No	NI	Yes/No
<a href="#"><u>ROI Market Message Guide - Customer Data and Agreements</u></a>	<b>Yes</b>	<a href="#"><u>NI Market Message Implementation Customer and Data Agreements</u></a>	<b>No</b>

**Comments**

<a href="#"><u>MCR1158 - Presentation</u></a>
---

ROI - Market Process Diagrams – MPDs			
Market Process Diagram Number	Market Process Diagram Description	End to End Diagram	Affected
MPD 24	MPD 24 - Change of Customer Details	<a href="#">Click Here</a>	Yes
MPD 25	MPD 25 - Change of Legal Entity	<a href="#">Click Here</a>	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		