Discussion Request 1225			MCC02 Meter Exchanges		
Status	Issued to Market	**Priority**	High	**Status Date**	26/10/2022

Date	Version	Reason for Change	Version Status
26/10/2022	1.0	Networks Led Solution for MCC02 Exchanges	Final

Part 1 DETAIL OF DISCUSSION REQUEST / MARKET CHANGE REQUEST	
Requesting Organisation(s)	ESBN/SMART
Request Originator Name	Kevin O'Connor
Date Raised	26/10/2022

Classification of Request	
Change Type	Non-Schema Impacting

Detail of Request

Reason for Request

Background

There are currently 270K Single Phase MCC02 meters to be replaced with Smart Electricity Meters.

Day/Night meters (MCC02) are the second largest cohort of Meters in ROI comprising 274,197 customers in DG1, 2, 5.

The current smart meter exchange process for MCC02 meters was set out in MCR1215 and is documented in Working Practice 32. To date this approach has resulted in a low volume of MCC02 single phase meters being exchanged and, at current rates, does not support completion of the meter exchange programme by the end of 2024.

To achieve the objectives of the programme, a significant change is required.

ESBN is therefore proposing a Networks Led approach whereby Single Phase MCC02 meters will be exchanged with Smart Meters configured as MCC02, utilising the capabilities of the RM107 Smart Meter.

ESB Networks' view is that the proposed approach supports the objectives of the NSMP and provides benefits to MCC02 customers.

Proposed Solution

DR1225 proposes that ESB Networks leads the exchange of the current MCC02 meters with Smart Meters. The proposed solution is to install Smart Meters at MCC02 sites which are pre-configured to provide 2 registers (Day and Night) from installation. If approved, meter exchanges would commence in Q3 2023

The RM107 Smart Meter cannot support MCC16 and MCC02 at the same time as the registers overlap and the meter cannot simultaneously record overlapping registers. Therefore this proposed solution will require the creation of new Meter Category Code (RM number) which will be installed configured as

MCC02. Following installation, the meter can then be reconfigured remotely to MCC16, or to MCC12 where a sufficient level of comms is available.

The proposed MCC02 Smart Meter Exchange process will adhere to the existing MCC01 Smart Meter Exchange process.

In Scope

- Networks-led like-for-like Smart Meter exchange for Single Phase MCC02 meters.
- A new RM number required to differentiate from existing Single Phase Smart Meters, RM106 and RM107. An accompanying Code Change Request will be raised for the new RM along with this DR.
- RM106 and RM107 will support MCC01, MCC12, MCC16 (Not MCC02)
- New RM number will support MCC02, MCC12, MCC16 (Not MCC01)
- The new RM number will be installed as MCC02. The registered Supplier will receive a 332MM notifying them of the Smart Meter exchange.
- As per the existing process for Smart Meters installed as MCC01 / MCC16, the 30 Day Comms Proving will commence on install. On completion of the Comms Proving Period the CTF value will be communicated via 114MM. Smart MCC02 will be eligible for remote reading and Smart Data Services based on CTF value.
- Where CTF is 01, MCC02 will be manually read in line with the existing Meter Reading Schedule, and customer / supplier provided reads will be accepted
- Where CTF is 02 / 03 / 04, MCC02 will be remotely read in line with the existing Meter Reading Schedule. As per existing v13.00.00 rules, customer provided readings will be rejected for remotely read MCC02 sites, and Supplier provided readings will be rejected unless used as part of a Change of Supplier or Change of Legal Entity, where remote readings are not available to ESBN and the Supplier provided reading passes ESBN validation.
- Requests for Smart Data Services (SDS) 01 (MCC12) and 02 (MCC16) will be accepted via the Change of Customer Details (CoCD) process (013MM) and as part of a Change of Legal Entity (CoLE) request (016MM). A configuration change is needed on meter to facilitate an MCC change to MCC12 / MCC16 to support the relevant SDS request.

Design Limitations

- As it is not possible to record Day / Night register readings and SST Day / Night / Peak register readings on the meter simultaneously, it is not possible to backdate or reverse changes from MCC02 – MCC16 / MCC12.
- Therefore Supplier requests for Smart Data Services as part of a Change of Supplier (CoS) request (010MM) will be rejected via 102RMM with Reject Reason IA (Invalid Action) where a Smart Meter configured to MCC02 exists at the MPRN.
- Supplier requests for Smart Data Services as part of a Re-Energisation request (017MM) will also be rejected via 117RMM with Reject Reason IA (Invalid Action) where a Smart Meter configured to MCC02 exists at the MPRN.
- This limitation is because the Re-Energisation is carried out via site visit and the change to MCC16/12 and configuration change required to fulfil the SDS request would be carried out remotely. These events cannot be aligned to happen at the same time.

Additional Points to Note:

- While Smart Data Services requests will not be allowed as part of a CoS (010MM) or Re-Energisation (017MM), Smart Data Services can subsequently be requested by the registered Supplier via CoCD (013MM) and CoLE (016MM) as per the current v13.00.00 rules.
- Once a Smart Meter has transitioned following Supplier request from MCC02 to Smart Data Services 01 (MCC12) or 02 (MCC16), the existing v13.00.00 rules will apply to that MPRN. As per the current Market Design for MCC01, once a Smart Meter has transitioned from MCC02 to MCC12 / MCC16, it will not be possible to request a reversion to MCC02 (or MCC01).
- It is proposed that Working Practice 0032, enacted as a result of MCR1215, will be discontinued for MCC02 – MCC16 requests once the MCC02 – MCC02 solution is live. Any in-flight MCC02 – MCC16 requests at time of MCC02 – MCC02 Go-Live will be allowed to complete.

- The existing Smart Non Participation processes and attributes (NTNP / MVNA / SED) will apply to MCC02 customers as part of this proposed Networks Led approach as currently apply to MCC01 customers.
- This proposed solution is not Schema Impacting.

Programme Impact

- This is proposed as a separate release in advance of the v14.00.00 market release. ESBN anticipate the implementation of MCC02 Meter Exchanges will require a deferral by 6 months to v14 Go-Live
- The proposed changes are to be applied to Retail Market Design Version 13.4

Scope of Change

Design Documentation	Business Process	DSO Backend System Change	MP Backend System Change	Tibco	Supplier EMMA	Schema	Webforms	Webservice	Extranet Market Website
☒	☒	☐	☒	☐	☐	☐	☐	☐	☐

Market Messages

Message No.	Message Name	ROI
010	Registration Request	Y
017	Meter Point Status Change Request	Y
030	MeterWorks Request	Y
101R	New Registration Rejection	Y
102R	Change of Supplier Registration Rejection	Y
117R	Meter Point Status Request Rejection	Y

Market Message Implementation Guides	
Message Guide	**Yes/No**
Meter Registration	Yes
Meter Works	Yes

Market Process Diagrams – MPDs			
Market Process Number	**Market Procedure**	**Affected**	
MPD01	CoS Non Interval	Yes	
MPD03	Objection and Cancellation	Yes	
MPD05	New Non Interval Metered Connection	Yes	
MPD10	Re-Energisation	Yes	
MPD11	Changes to Meter Configuration	Yes	

Data Definitions
No Impact

Data Codes
New RM Code – RM108 (Code description required)

Guidance Documentation		
Document	**Version**	**Affected**
No impact		No Impact

Briefing Document		
Briefing Document		**Affected**
No Impact		Yes

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

Comments

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

Approved by	**CRU**