

Market Change Request 1232			Smart Meter Exchanges for 3 Phase Whole Current Meter MCC02		
Status	Approved	Priority	High	Status Date	25/09/2024

Date	Version	Reason for Change	Version Status
31/07/2024	1.0	3 Phase Whole Current Meters configured MCC02 exchanges	Final
19/09/2024	2.0	Converted to MCR	Final

Part 1 DETAIL OF DISCUSSION REQUEST / MARKET CHANGE REQUEST	
Requesting Organisation(s)	ESBN/SMART
Request Originator Name	Kevin O'Connor
Date Raised	31/07/2024

Classification of Request	
Change Type	Non-Schema Impacting

Detail of Request	
Reason for Request	

Background

The smart metering programme has delivered the exchange of MCC02, single-phase, whole current, Day/Night meters.

ESBN has completed the procurement of three-phase meters and expect to be ready to deploy in Q3 2025. The initial scope will include MCC02 3 phase whole current meters <=49kVA only. MCC02 whole current 3 Phase total estate is 33,821 meters

These meters will be used to replace applicable 3-phase whole current meters configured MCC02 (like-for like exchange).

Proposed Solution

The proposed solution will adhere to the existing Single Phase MCC02 Smart Meter exchange process that has been previously rolled out, the only meters in scope are Whole Current MCC02 sites with a 3-phase connection.

The approach consists of replacing the 3-Phase Day/Night meter configured MCC02 with a single SEM configured MCC02 and the exchange will be completed on a like-for-like basis as per MCC02 Single Phase exchanges. This is a Networks led approach.

A new RM Code is required for the 3 Phase Whole Current Smart Meters configured MCC02 - RM306.

An accompanying Code Change Request will be raised for the new RM along with this DR.

Key Points

- CTF proving for 3-Phase Whole Current MCC02 MPRNs will align with the existing process.
- Smart Data Services requests for MPRNs with 3 Phase Whole Current MCC02 Smart Meters will follow the existing Retail Market design and processes for Single Phase Whole Current MCC02 Smart Meters.
- Remote Re-en/De-en is out of scope for these 3-Phase meters.
- Once a smart meter is installed, half hourly Interval Export data will be metered rather than deemed for these 3-Phase meters, comms permitting. Deemed values may be provided regardless of CTF value. A higher CTF

value reduces (but does not remove) the probability of deemed values being provided. The maximum export capacity (MEC) at these sites will be <=12kVA.

- Half Hourly Interval Export data will be metered for 3-Phase MPRNs with a CTF of 03 or 04. Where the CTF is not 03 or 04, export will be deemed based on CRU calculation.
- Smart 3 Phase Whole Current New Connections will be eligible to be configured as MCC16 and or MCC02.

* At new 3-phase whole current connections, a customer requesting a time-of-use tariff may request either a Day/Night tariff or a Standard Smart Tariff. This differs from new 1-phase whole current connections where only SST is available as a time-of-use tariff.

Scope of Change

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

Market Messages

Message No.	Message Name	ROI
No Impact	No Impact	No Impact

Data Definitions

No Impact

Data Codes

Introduction of RM306 - SMART 3 Ph Whole Current Meter

Market Message Implementation Guides

Message Guide	Yes/No
No Impact	No Impact

Market Process Diagrams – MPDs

Market Process Number	Market Procedure	Affected
MPD 5	New Non Interval Metered Connection	Yes

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
MPD 05 New Non Interval Metered Connection.pdf Market-Schema-Guide v6.0 Working Draft v3.xlsx

Assurance						
Stage	Assurance Requirement	Priority Eligible	Suppliers	ESBN (DSO)	Eirgrid (TSO)	
2&3	Priority assurance eligible	N				
4	Self-Assessment		Y	Y	N	
5	Formal Assessment		N	N	N	
6	IPT		N	N	N	
7	Cut Over Declaration		Y	Y	N	
Stage	IPT - Scenario	Test participants	Market Segment(s)	MPDs	MMs	Number of tests
6	No IPT requirement	n/a	n/a	n/a	n/a	n/a

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

Approved by	CRU