Discussion Request 1242			Smart Meter Exchanges For 3-Phase Whole Current and CT Meters, MCC04 & MCC08		
Status	Issued to Market	**Priority**	High	**Status Date**	27/10/2026

Date	Version	Reason for Change	Version Status
27/10/2026	1.0	Legacy to Smart Meter Exchanges at Wattless MPRNs	Final

Part 1 DETAIL OF DISCUSSION REQUEST / MARKET CHANGE REQUEST	
Requesting Organisation(s)	ESBN/SMART
Request Originator Name	John Emerson
Date Raised	27/10/2026

Classification of Request	
Change Type	Non-Schema Impacting

Detail of Request

Reason for Request

Background

ESB Networks is proposing to deliver a Supplier-consented, Networks-led, smart metering solution for DG5 LV customers with 3-Phase meters configured MCC04 and MCC08. Both Whole Current and CT connections are in scope.

MCC04 comprises 1 x Day register (kWh), 1 x Night register (kWh) and 1 x Wattless register (kvarh).

MCC08 comprises 1 x 24-hour register (kWh) and 1 x Wattless register (kvarh).

The legacy meter technology at the MPRN may comprise 1 x electronic meter, or 2 x mechanical meters.

The MPRNs in scope:

- Are DUoS Group DG5
- Are configured MCC04 or MCC08;
- Have legacy meters in the ranges
  - RM500 to RM599; or
  - RM600 to RM699
- Are not being charged the Low Power Factor Surcharge

Volumes comprise approximately

- 8,200 x 3-phase CT MPRNs; and
- 1,000 x 3-phase Whole Current MPRNs

The Smart exchange for applicable MCC04 customers will require a change of MCC to MCC02, billing only on the Day/Night register.

The Smart exchange for applicable MCC08 customers will require a change of MCC to MCC01, billing only on the 24h register.

The CT solution is expected to be ready to deploy in early 2028.

Proposed Solution

DR1242 proposes that, when requested to do so by an individual Supplier, ESBN will validate the Low Power Factor consumption at the MPRN and will plan, on a case-by-case basis, the smart meter exchange for individual 3-Phase MCC04 and MCC08 customers of that Supplier.

At MCC04 sites, the legacy meter(s) will be exchanged with a single smart meter configured MCC02.

At MCC08 sites, the legacy meter(s) will be exchanged with a single smart meter configured MCC01.

Four RM Codes – two existing, and two new – are required to support these exchanges.

The two existing RM codes are

- RM305: 3-Phase Whole Current smart meter configured from MCC08 to MCC01
- RM306: 3-Phase Whole Current smart meter configured from MCC04 to MCC02

The two proposed additional RM codes are

- RM355: 3-Phase CT smart meter configured from MCC08 to MCC01
- RM356: 3-Phase CT smart meter configured MCC04 to MCC02

The proposal is that:

- Supplier advises ESB Networks to exchange
  - Its MCC04 Customer's meter(s) with a smart meter configured MCC02
  - Its MCC08 Customer's meter(s) with a smart meter configured MCC01
- ESB Networks plans the smart meter exchanges
- ESB Networks contacts the Customer via Letters 1 and 2
- If there is no objection registered by the customer to the smart meter exchange, following correspondence, ESB Networks (or their agents) will arrange an appointment to carry out the meter exchange.
- ESB Networks will replace the existing MCC04 meter(s) with a smart meter configured MCC02
- ESB Networks will replace the existing MCC08 meter(s) with a smart meter configured MCC01
- ESB Networks will advise the Supplier of the completion of the exchange and the MCC change via MM332.

CTF
The existing processes for CTF proving will apply following Smart Exchange

Smart Data Services
The existing processes for Smart Data Services requests (MCC12 and MCC16) will apply following smart meter exchange.

De-energisation and Re-energisation
The Remote re-energisation / Remote de-energisation capability is out of Scope for this solution. Where a CT site is to be de-energised or re-energised, a site visit will be required.

Microgeneration and Minigeneration
Microgenerating and Minigenerating CT customers currently receive deemed payments for their export. Once a smart meter is installed, half hourly Interval Export data will be metered rather than deemed for these CT 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.*

Half-Hour Intervals Estimation and Substitution Rules
Rules regarding HH intervals estimation and substitution are subject to the conditions documented in MCR1238.

*** Customers with installed, and registered, export capacity and whose registered supplier is in receipt of Deemed Export Quantities in line with the Interim Retail Market Microgeneration Solution will move to Metered Export Quantities. In line with CRU Decision 21/131, customers who have a recorded NTNP status at the cutover date will be ineligible for deemed export quantities and such quantities will cease to be provided to their Registered Supplier. This is in line with prior approaches to newly-eligible meter cohorts**

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
No Impact	No Impact	No Impact

Data Definitions

No Impact

Data Codes

Market Message Implementation Guides

Message Guide	Yes/No
No Impact	No Impact

Market Process Diagrams – MPDs			
Market Process Number	**Market Procedure**	**Affected**	
No Impact		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

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

Approved by	CRU