

| Discussion Request 1225 | | | MCC02 Meter Exchanges | | |
|-------------------------|----------|----------|-----------------------|-------------|------------|
| Status | Approved | Priority | TBD | Status Date | 14/12/2022 |

| 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 ESNB and the Supplier provided reading passes ESNB 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 **the change** 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 Registration for a previously De-Registered site (010MM) will be rejected via 101RMM 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 Registration for a previously De-Registered site (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.
- **MCC02 can be requested as per BAU via MM030**
- 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. ESNB 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 |
|-------------------------------------|-------------------------------------|---------------------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| <input checked="" type="checkbox"/> | <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"/> |

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

| Data Definitions |
|------------------|
| No Impact |

| Data Codes |
|--|
| New RM Code – RM108 - SMART 1 Ph Whole Current Meter RM108 |

| 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 | |

| 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 |
|---|
| Working Draft MMR V13.5 Market Message Guide - Meter Registration V5.1 Working Draft MMR V13.5 Market Message Guide - Meter Works V5.1 Working Draft MMR V13.5 MPD 01 CoS Non Interval Working Draft MMR V13.5 MPD 03 Objection and Cancellation Working Draft MMR V13.5 MPD 05 New Non Interval Metered Connection Working Draft MMR V13.5 MPD 10 Re Energise |

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

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| Approved by | CRU |
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