EPCL Report

EPCL Report 31 - DMCT Tranches 78 & 79

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Contents

1. Context of EPCL Request

Annex A to this EPCL Report sets out the specific details of 72 entries that DCC are proposing to add to the Eligible Products Combination List (EPCL), subject to approval from the Secretary of State to do so.

DCC is requesting to add Active, Dormant and Mixed MOC Secure and FOC BG DMCs, some of which have SMETS1 Installations to the EPCL.

The MOC Secure entries within this report are as a result of a Supplier response containing DMCs not currently on the EPCL to a Request For Information (RFI) issued per section 20.2 of the SMETS1 SVTAD to industry on 30 December 2022 titled 'SMETS1 RFI - Device Model Combinations (DMC) planned for enrolment - REQ000000208527'.

For these MOC Secure entries per section 2.3 of the DCC Guidance Note Substantive Equivalence DCC will rely on the following criteria to support Substantive Equivalence:

- *A SMETS1 PPMID model from the same Manufacturer has successfully completed appropriate testing (MT/SIT or DMCT) with another cohort's DMC (EPCL entry 002547); and*
- *Energy Supplier has stated that this PPMID is compatible with the rest of the DMC; and*
- *there are no SMETS1 PPMID related defects for other equivalent DMCs i.e., the operating capability has been tested with a cross section of Device combinations and PPMIDs where applicable.*

In addition to the above DCC has also successfully tested another PPMID from the same manufacturer with a migrated set via PPCT (EPCL entry 100062).

The FOC BG entries in this report have recently appeared in MR01 reports with Active volume. The MR01 – Installation Details Report details SMSO's full portfolio of installations that they believe meets the criteria for SMETS1 Enrolment and Adoption onto Smart DCC Network. DCC is requesting to add these entries onto the EPCL based on "Substantive Equivalence" to EPCL entries 001255,001306,001310,001416,001467,001471,001924,003003,003004,003005,003664,003947.

Overall	Installs			Meters		
	Active	**Mixed**	**Dormant**	**Active**	**Mixed**	**Dormant**
Requested EPCL entries	71,924	0	0	2	0	0
Potential F/W upgrades to requested EPCL entries	3	0	0	6	0	0
Total by Installation Status	**71,927**	**0**	**0**	**8**	**0**	**0**
Totals	**71,927**			**8**		

Volumes by Cohort are as follows:

MOC Secure	Installs			Meters		
	Active	**Mixed**	**Dormant**	**Active**	**Mixed**	**Dormant**
Requested EPCL entries	71,923	0	0	-	-	-
Potential F/W upgrades to requested EPCL entries	0	0	0		--	-
Total by Installation Status	**71,923**	**0**	**0**	**-**	**-**	**-**
Totals	**71,923**			**-**		

Notes for MOC Secure

- The above volume is taken directly from the RFI which does not include a Meter breakdown.

FOC (BG)	Installs			Meters		
	Active	**Mixed**	**Dormant**	**Active**	**Mixed**	**Dormant**
Requested EPCL entries	1	0	0	2	0	0
Potential F/W upgrades to requested EPCL entries	3	0	0	6	0	0
Total by Installation Status	**4**	**0**	**0**	**8**	**0**	**0**
Totals	**4**			**8**		

DCC proposes that each of the EPCL entries contained within this report are Substantively Equivalent to one of the entries above, DCC therefore proposes that the entries do not require testing for the DCC to satisfy itself that it will be able to Migrate them and successfully process SMETS1 Service Requests and relevant SMETS1 Alerts in respect of enrolled SMETS1 Smart Metering Systems comprising all or part of the DMC.

For the requested EPCL entries in this report, the migration of SMETS1 installations and enrolment of Smart Metering Systems specified by these DMCs will not have an adverse impact on the delivery of DCC Services and DCC does not consider there to be any regression risk.

DCC has confirmed to the Security Sub-Committee (SSC) that the DCC does not consider there to be any unmanageable security risks associated with adding the requested EPCL entries to the EPCL. On 09 August 2023 SSC confirmed there are no apparent new security risks to prevent the requested EPCL entries being added to the EPCL.

DCC accordingly recommends that the Department for Energy Security & Net Zero (the Department) approves the requested new entries for the EPCL set out in Annex A.

DCC considers that the aforementioned entries should be made to the EPCL because:

(i)   The DCC has followed the process required of it in respect of them as set out in Clause 20 of the SMETS1 SVTAD, and as further set out in Annex D; and

(ii)   DCC does not consider that testing is required in the case of the requested EPCL entries listed in Annex A as, given the test reports referenced in Annex A each such entry is considered to be substantively equivalent to entries that have been tested:

The rationale for treating the requested EPCL entries as substantively equivalent is set out in 'Excluded from DMCT Schedule', published on the DCC Website (here), and described in Annex E; and

(iii)   The DCC is ready to support the Migration of SMETS1 Installations comprised of the requested EPCL entries and the subsequent operation of the associated Enrolled Smart Metering Systems in accordance with the assessment set out in the Live Service Criteria Assessment.

If a Supplier Party has any objections to the DCC's request that the Department approves the addition of the entries listed in this report onto the EPCL their concerns should be sent to the Department (SMETS1_appeals@beis.gov.uk), within 5 working days of a notification being issued by SECAS of the publication of this report.

2. Live Service Criteria Assessment

#	Live Service Criteria	RAG Status	Commentary
1	SMETS1 Migration Services ready including early migration support for relevant EPCL entry(ies)	G	DCC is ready to carry out migration of the DMCs that are included in Annex A, which DCC is proposing to add to the EPCL.
2	Service Operations capability ready	G	DCC's core Service Operations Capabilities are in place and ready to support the migration and operation of the DMCs set out in Annex A. These include dedicated SMETS1 resources across the MCC, Early Life Support (ELS) and co-located support functions.
3	SMETS1 Service and Migration can operate at the requisite volumes to support migration and operation of the relevant EPCL entry(ies) and operating capability, in parallel with all SMETS2 activity	G	DCC is of the opinion that the addition of the proposed DMCs will not impact service or migration performance. DCC will pace migrations in order to prove stability before increasing volume. This will be phased according to DCC's normal pacing strategy and will be managed using the current processes and mechanisms available to it.
4	Regression Testing has completed successfully for SMETS1 and SMETS2 Live Systems	N/A	There will be no SMETS1 or SMETS2 regression testing conducted as part of DMCT for any tranche, as DMCT is focused on devices rather than code.
5	Relevant testing for relevant EPCL entry(ies) has completed.	G	Annex A sets out the relevant testing for the requested EPCL entries.
6	Pre-existing services remain stable for SMETS2 and SMETS1 prior operating capabilities	G	DCC has in excess of 20 million meters on the DCC Systems, which includes both migrated SMETS1 devices and SMETS2 installations. DCC is successfully operating all these devices whilst continuing to migrate SMETS1 installations and commissioning new SMETS2 installations onto the DCC System.
7	Any lessons learnt from prior operating capabilities are incorporated in to live process	G	Having successfully migrated devices into the DCC System, DCC has learnt valuable lessons that it will apply when migrating the new DMCs. This includes substantial experience so far in successfully using "Substantive Equivalence" to enable and streamline the migration of a wide range of DMCs into DCC's SMETS1 service.
8	No detrimental impact to consumers experience expected	G	Based on the experience of live migrations and early life support to date, DCC does not consider that there is a material risk of negative impact to consumers' experience.
9	Assurance of required Business Continuity/Disaster Recovery	G	DCC Business Continuity and Disaster Recovery (BCDR) consulted on its annual testing programme for April 2023 – March 2024 and is included in the Annual Outage Plan along with Tech Refresh Programme which was endorsed by SECOPS in March 2023. DCC is satisfied with the resilient solution implemented across its ecosystem and with the results of testing completed in Quarter 1 2023 with all Service Providers. MOC Secure BCDR test is scheduled for August 2023.
10	Completion of relevant security testing and approval of security architecture	G	The EPCL entries in this submission were given offline approval from SSC on 09 August 2023. SSC confirmed that there are no apparent new security risks to prevent these devices being added to the EPCL.

3. EPCL Reports Risk Register

The EPCL Reports Risk Register, which contains risks relevant to EPCL reports that DCC has published on the DCC website and is seeking the Department's approval of, can be found here:

https://www.smartdcc.co.uk/media/6598/epcl-reports-risk-register.xlsx

4. Confirmation of DCC Information

Gav Parrott

Director of Products & Logistics

List of Annexes

Annex A – EPCL entries Requested for Eligible Product Combination List

Annex B – Final DMCT Testing Reports EPCL entries

Annex C – Latest DCC Pacing Strategy

Annex D – Mapping to Clause 20 of the SMETS1 SVTAD

Annex E – DCC Guidance Notes - Substantive Equivalence

Annex A – EPCL entries Requested for Eligible Product Combination List

The file 'Annex A Report 31' details the entries that the DCC is requesting to make to the list of Eligible Product Combinations.

The file can be found on the DCC Website, <u>here.</u>

Annex B – Final DMCT Testing Reports for proposed EPCL entries

Titles and dates of Testing reports are listed with each requested EPCL entry in Annex A.

Link to Reports:
This report is available on the DCC external SharePoint, accessible to SEC Parties who have requested access. To request access please contact DCC Enrolment and Adoption
Enrolment.adoption@smartdcc.co.uk.
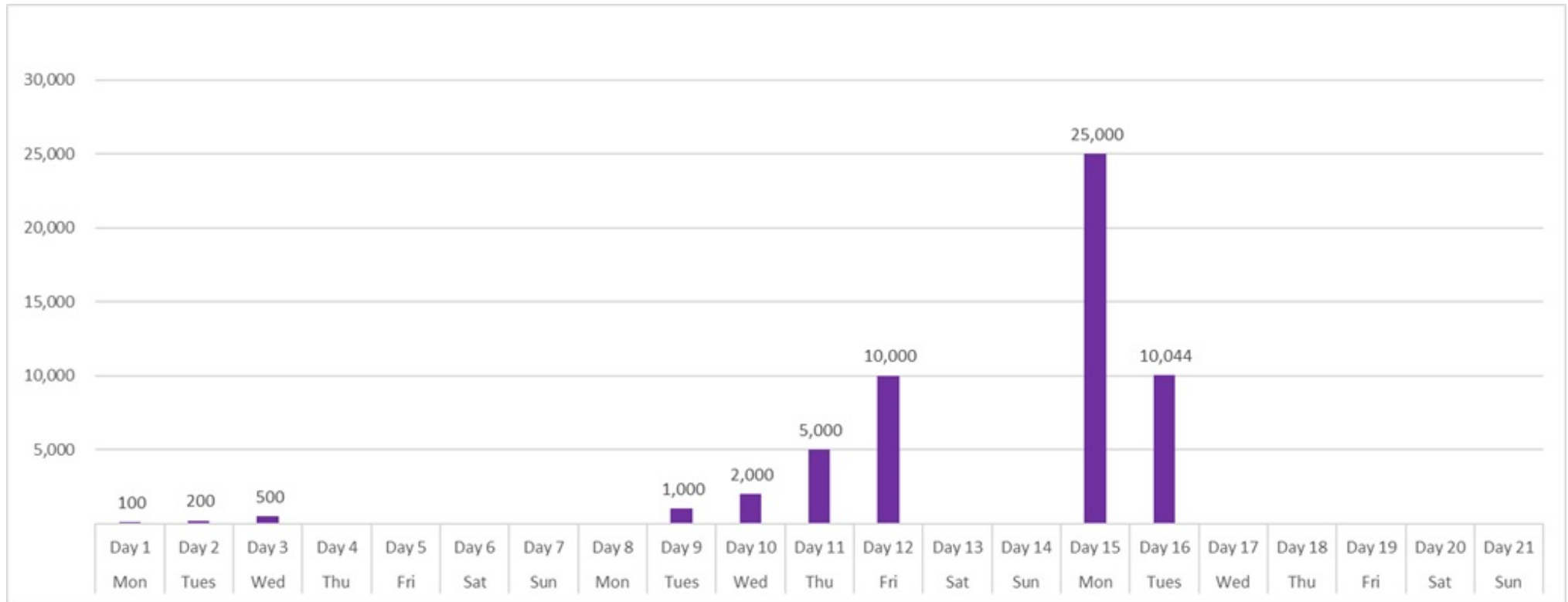
Annex C – Latest DCC Pacing Strategy

This pacing strategy will be followed by DCC unless there is significant business impact or a business requirement to change it. It is prudent to state this strategy is our intent, but this could change where agreed, and it is in the best interest of the migration solution or the business requirements. Any agreed alternate strategy would be tailored to the change impacting migrations.

Where possible DCC will seek to select dormant DMCs which will be made active immediately following migration, to ensure that DCC can confirm devices are operational at the earliest possible opportunity following migration completion.

To support the below migration pacing strategy the MCC will:

- Hold a daily Go / No-go to review progress of previous migrations and approve the progress of the proposed migrations for that day, this process helps to mitigate any issues during migration. This is attended by all service providers within the migration process and Operational DCC functions.

- Monitor the new EPCL entries migration progress using the current tools available to it. If any anomalous behaviour is detected these DMCs will be throttled or halted in day until diagnosis can be made using the normal resolution process and future migrations will be paused. The pacing graph below shows the pacing strategy across a 3-week timeframe which allows for any such behaviour to be identified and dealt with by slowly increasing the number of migrations passing through the system.

- As frequently as deemed necessary, but no less than weekly, review the pacing strategy against Supplier forecasts (for active migrations) and available dormant volumes. As a result, MCC may:

  - Scale volumes to optimise daily migration performance and/or ensure appropriate supplier allocation and active/dormant mix.

  - Increase volumes if deemed appropriate due to the results of previous migrations.

  - Decrease volumes if previous migrations have not resulted in expected results.
    - Which includes but not exclusive to;
      - Higher than expected failure rates for that DMC.
      - Higher than expected failure rates for that cohort.
      - New or unknown error that was not expected as part of the migration process.
  - Pause if there is cause for concern by carrying on migration.

    - Which includes but not exclusive to;
      - Higher than expected failure rates for that DMC.
      - Higher than expected failure rates for that cohort.
      - New or unknown error that was not expected as part of the migration process.

Pacing Graph

Annex D – Mapping to Clause 20 of the SVTAD

DCC is required to publish the DMCT Status List and the DMCT Schedule in terms of Clause 20.8 and Clause 20.10 of SEC Appendix AK 'SEC Variation Testing Approach Document for SMETS1 Services' (SMETS1 SVTAD) on the DCC website. DCC is further required to publish a list of exclusions from the DMCT Schedule in terms of Clause 20.11 of the SMETS1 SVTAD.

Pursuant to these obligations, DCC has published the associated Schedules and Lists here and provided to SECAS for publication on the SEC website here for:

- MOC Secure on the following date 28 July 2023.

- FOC on the following date 28 July 2023.

Relevant Suppliers who included in their RFI submissions the DMCs, which are included within this report, were notified that the DMCs are requested to be added to EPCL under SVTAD Appendix AK, Clause 20.6 (d) (i).

Notifications were as follows:

- MOC Secure notification was via DCC Mass Comms email on 03 August 2023 titled 'SMETS1 MOC Secure v15.0 - DMCT Status List and DMCT Schedule published on DCC Website - 28th July 2023 - REQ000000222041'.

- FOC notification was via DCC Mass Comms email on 03 August 2023 titled 'SMETS1 FOC v9.0 - DMCT Status List and DMCT Schedule published on DCC Website - 28th July 2023 - REQ000000221943'.

The comms notified those relevant Suppliers of the publication on the DCC Website of MOC Secure and FOC versions of 'DMCT Status List & Excluded from DMCT Schedule'. The Schedule includes entries for the DMCs included in this report and specifies the rationale for excluding the DMCs from the DMCT Schedule on the basis of Substantive Equivalence (see Annex E).

DCC contacted the relevant Suppliers that included the DMCS in their RFI submissions to confirm that the Suppliers would raise no objection to these DMCs being added to EPCL. Confirmation of this was received from all impacted Suppliers.

Pursuant to the DCC's obligations set out under SVTAD Appendix AK, Clause 20.43, the DCC has published this DMCT EPCL Report on the DCC Website (here) and has notified the Panel, the Secretary of State, the Authority and SEC Parties of the publication of the report.

Annex E – DCC Guidance Notes – Substantive Equivalence

(Full Guidance Note is published on DCC Website, <u>here</u>)