



EPCL Report

EPCL Report 25 - DMCT Tranche 47 & 59

Version: 1.0

Date: 25.11.21

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Classification: DCC Public

Contents

1. Context of EPCL Request.....	3
2. Live Service Criteria Assessment.....	5
3. EPCL Reports Risk Register	7
4. Confirmation of DCC Information.....	7
Annex A – EPCL entries Requested for Eligible Product Combination List	9
Annex B – Final DMCT Testing Reports for proposed EPCL entries.....	10
Annex C – Latest DCC Pacing Strategy	11
Annex D – Mapping to Clause 20 of the SVTAD	12
Annex E – DCC Guidance Note: Child DMCs and Substantive Equivalence	13

1. Context of EPCL Request

Annex A to this EPCL Report sets out the specific details of 39 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 & Mixed IOC & MDS entries which have SMETS1 Installations to the EPCL, overall volumes are detailed below:

Overall (Total)	Installations			Meters		
	Active	Dormant	Mixed	Active	Dormant	Mixed
Requested EPCL entries	3,405	1,202	495	5,947	2,043	990
Potential F/W upgrades to requested EPCL entries	348	386	64	646	716	128
Total by Installation Status	3,753	1,588	559	6,593	2,759	1,118
Totals	5,900			10,470		

Overall (IOC Cohort)	Installations			Meters		
	Active	Dormant	Mixed	Active	Dormant	Mixed
Requested EPCL entries	3,196	937	492	5,529	1,513	984
Potential F/W upgrades to requested EPCL entries	128	76	56	206	98	112
Total by Installation Status	3,324	1,013	548	5,735	1,611	1,096
Totals	4,885			8,442		

Overall (MDS Cohort)	Installations			Meters		
	Active	Dormant	Mixed	Active	Dormant	Mixed
Requested EPCL entries	209	265	3	418	530	6
Potential F/W upgrades to requested EPCL entries	220	310	8	440	618	16
Total by Installation Status	429	575	11	858	1,148	22
Totals	1,015			2,028		

DCC is requesting to add IOC entries to the EPCL based on “Substantive Equivalence” (see Annex E). DCC proposes that each of the relevant EPCL entries contained within this report are Substantively Equivalent to existing BEIS approved EPCL entries, or EPCL entries proposed to BEIS for inclusion on EPCL (See Annex A) and therefore do not require testing for the DCC to satisfy itself that it will be able to migrate them and be able to successfully process SMETS1 Service Requests and relevant SMETS1 Alerts in respect of enrolled SMETS1 Smart Metering Systems comprising all or part of the DMCs represented by the EPCL entries.

IOC DMCs represented by the EPCL entries in this report contain models of PPMID that can work as both a SMETS1 device and a SMETS2+ device, which DCC refers to as a “bilingual device”. The consultation [SMETS1 Consultation on changes related to PPMIDs and CHs | Smart DCC](#) sought changes to the main body SEC changes in order to enable the operation of bilingual PPMIDs in the DCC System.

The bilingual DMCs represented by the EPCL entries in this report make use of the tactical solution proposed within the consultation.

For the requested EPCL entries in this report, the migration of SMETS1 installations and enrolment of Smart Metering Systems specified by these entries 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 provided the Security Sub-Committee (SSC) with DCC confirmation that the DCC does not consider there to be any unmanageable security risks associated with adding the requested EPCL entries to the EPCL. On 10 November 2021 SSC confirmed there are no apparent new security risks to prevent the requested EPCL entries being added to the EPCL.

DCC accordingly recommends that BEIS 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 SVTAD, and as further set out in Annex D; and
- (ii) In the case of requested EPCL entries listed in Annex A where DCC does not consider that testing is necessary because each of the requested EPCL entries is considered to be substantively equivalent to entries that have been tested, the test reports are referenced in Annex A:

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 BEIS approves the addition of the entries listed in this report onto the EPCL their concerns should be sent to BEIS (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 will be 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	<p>This EPCL report will introduce additional IOC and MOC MDS Cohort DMCs onto the EPCL. DCC is of the opinion that the addition of the proposed DMCs will not impact service or migration performance.</p> <p>DCC has proven the S1SP solution and that the migration solution capability works and is scalable up to a daily volume of 50,000 installations. Through IOC, MDS and MOC migrations, it has demonstrated the ability to successful migrate installations, many of which are now operating on DCC's network.</p>
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	<p>DCC has in excess of 15 million meters on the DCC Systems, which includes both migrated SMETS1 devices and SMETS2 installations. DCC is successfully operating all of these devices whilst continuing to migrate SMETS1 installations and commissioning new SMETS2 installations onto the DCC System.</p> <p>This EPCL report will introduce additional IOC and MOC MDS Cohort DMCs onto the EPCL.</p> <p>There was one IOC Category 2 incident in November impacting the delivery of IOC Service Request. Root Cause was due to a brief network outage, following the network outage DSP's F5's did not recover automatically and were required manual intervention</p> <p>DCC has proven the S1SP solution, and that the migration solution capability works and is scalable up to a daily volume of 50,000 installations. Through IOC, MDS and MOC migrations, it has demonstrated the ability to successful migrate installations, many of which are now operating on DCC's network.</p> <p>DCC is of the opinion that the addition of the proposed DMCs will not impact service or migration performance.</p>

#	Live Service Criteria	RAG Status	Commentary
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.
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 2021 annual Business Continuity Disaster Recover (BCDR) testing plan was endorsed and approved by SEC Operations Group on 5 th January 2021.
10	Completion of relevant security testing and approval of security architecture	G	The EPCL entry in this submission was given offline approval from SSC on 10 November 2021. 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 BEIS approval of, can be found here:

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

4. Confirmation of DCC Information

A handwritten signature in black ink, appearing to read 'Gav Parrott', with a long horizontal stroke extending to the right.

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 for proposed EPCL entries

Annex C - Latest DCC Pacing Strategy

Annex D - Mapping to Clause 20 of the SVTAD

Annex E - DCC Guidance Note: Child DMCs and Substantive Equivalence

Annex A – EPCL entries Requested for Eligible Product Combination List

The file 'EPCL Report 25 – Annex A - EPCL Entries' 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, [here](#).

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.

Where requested EPCL entries are being added via Substantive Equivalence (see Annex E), no testing of the DMCs corresponding to the requested EPCL entries has been performed. This is in accordance with SVTAD Appendix AK, Clause 20.6 (d) (i).

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

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 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 and future migrations will be paused.
- 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.

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.

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.

Due to the low volumes of dormants available through this report DCC will not be pacing the volumes and progress all dormants as soon as available.

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](#) on 20 October 2021.

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

Notification was via DCC Mass Comms email on 20 October 2021 titled 'SMETS1 IOC & MDS v12.0 - DMCT Status List and DMCT Schedule published on DCC Website – 19th October 2021-REQ000000189229'.

The comms notified those relevant Suppliers of the publication on the DCC Website of the IOC version of 'DMCT Status List & Excluded from DMCT Schedule' which includes entries for the DMCs included in this report, with reason for exclusion from DMCT Schedule on the basis of Substantive Equivalence and rationale (see Annex E).

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

Pursuant to 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 Note: Child DMCs and Substantive Equivalence

(Full Guidance Note is published on DCC Website, [here](#)).