



EPCL Report

EPCL Report 9 - DMCT Tranche 25

Version: 1.0

Date: 10/08/2021

Author: SMETS1DMCT@smartdcc.co.uk

Classification: DCC Public

DCC Public - EPCL Report 9

Contents

1. Context of EPCL Request	3
2. Live Service Criteria Assessment	5
3. Confirmation of DCC Information	8
Annex A – EPCL entries Requested for Eligible Product Combination List.....	10
Annex B – Final DMCT Testing Reports for proposed EPCL entries	11
Annex C – Latest DCC Pacing Strategy.....	12
Annex D – Mapping to Clause 20 of the SVTAD	14
Annex E – DCC Guidance Note: Child DMCs and Substantive Equivalence	16

1. Context of EPCL Request

Annex A to this EPCL Report sets out the specific details of 10 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 Dormant FOC EPCL entries which have SMETS1 Installations to the EPCL.

Overall	Installs		Devices	
	Active	Dormant	Active	Dormant
Requested EPCL entries	0	210,172	0	420,344
Potential F/W upgrades to requested EPCL entries	0	32,438	0	64,876
Total by Installation Status	0	242,610	0	485,220
Totals	242,610		485,220	

DCC has completed testing via the DMCT process of 10 Dormant EPCL entries (000812, 000815, 001699, 001701, 001703, 001707, 001716, 001724, 001731, 001732) as set out in Annex A. Details of the testing performed on these EPCL entries is also detailed in Annex A.

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 02 July 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	<p>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.</p> <p>The current issue limiting daily migration volume is:</p> <p>1. If more than one MEF and MGF is generated per MCF the MEF and MGF will not generate correctly and fail at the S1SP</p> <p>Engagement with the S1SP is ongoing. A workaround is in place to enable low migration volumes until a solution change is delivered to enable higher migration volumes. DCC will work with the Active Supplier through the migration process to ensure this issue does not impact migrations.</p> <p>Issue 1 – Tactical mitigation for MEF deployed on 22/06 with full fix expected in October 2021</p>
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 FOC 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	A	DCC has in excess of 10 million meters on the DCC Systems, which includes both migrated SMETS1 devices and SMETS2 installations. DCC

	SMETS1 prior operating capabilities		<p>is successfully operating all of these devices whilst continuing to migrate SMETS1 installations and commissioning new SMETS2 installations onto the DCC System. To date no SMETS2 incidents have impacted SMETS1 Migrations or Services and no SMETS1 incidents have impacted SMETS2 Services.</p> <p>Rationale:</p> <p>Following the August implementation of MOC Secure, DCC has not observed any detrimental impact on its network or services as a result of MOC Secure, MDS or IOC migrations or service operations. DCC has migrated over 500,000 meters / 340,000 installations for MOC Secure and overall migration activity has continued in line with forecast volumes and expected performance levels, with Pre-existing services remain stable for SMETS2 and prior SMETS1 operating capabilities. No SMETS1 incidents have impacted SMETS2 Services; conversely no SMETS2 incidents have impacted SMETS1 Services or Migrations</p> <p>There has been 1 Category 1 Major Incident with DCO which impacted 100% of IOC traffic, this outage occurred due to a system process within DCO database server entering a 'hung state', a critical ticket has been raised with their vendor to investigate this failure and also to understand why the other servers in the cluster did not mitigate the impact.</p>
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	<p>DCC 2021 annual Business Continuity Disaster Recovery (BCDR) testing plan was endorsed and approved by SEC Operations Group on 5th January 2021.</p> <p>DCC is satisfied with the resilient solution implemented with BG and Npower and with the resilience testing of British Gas links completed on 4th February 2021.</p> <p>Dates planned for DXC/Trilliant DR Failover/Failback were approved at SECAS on the 26th April and are scheduled to complete on the 17th October 2021. Following this DXC/Trilliant will be part of any planned annual testing activity with DCC and this will be shared with SECOPS Group.</p> <p>DCC is satisfied with the testing that has been arranged with FOC DXC/Trilliant and believes the solution is resilient.</p>

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 02 July 2021. SSC confirmed that there are no apparent new security risks to prevent these devices being added to the EPCL.

3. Confirmation of DCC Information

A rectangular box containing a handwritten signature in black ink. The signature appears to be 'Gav Parrott' written in a cursive style.

Gav Parrott

Interim 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 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 9 – 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.

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

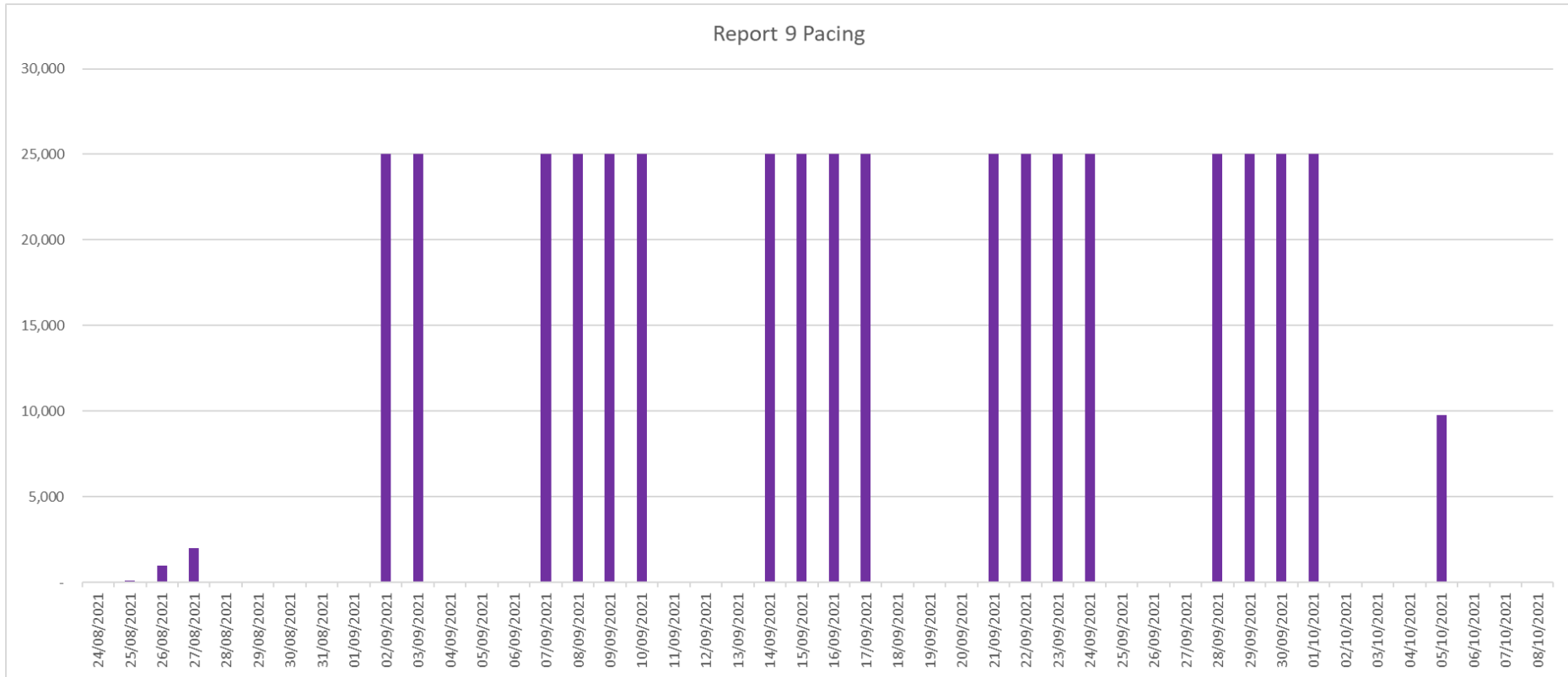
To support the below migration pacing strategy the MCC will:

- 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.

EPCL Report 9 Pacing Graph



Annex D – Mapping to Clause 20 of the SVTAD

Pursuant to Clause 20.15 of SEC Appendix AK, The DCC executed the Standard Dormant DMCT Migration Test Pack and the Standard DMCT Service Reference Variant Test Pack for the Capability Release.

Pursuant to Clause 20.29 There are 4 open Testing Issue that the DCC believes should not be counted against the Testing Issue Threshold for the purposes of Clause 20.28 in respect of the requested EPCL entries.

Pursuant to Clause 20.30 TAG has been advised that there are 24 open Testing Issues.

Pursuant to Clause 20.34 The DCC produced draft DMCT Testing Reports on 16 July 2021 for EPCL dormant entries 000812, 000815, 001699, 001701, 001703, 001707, 001716, 001724, 001731 & 001732.

Pursuant to Clause 20.36 The DCC made available the draft DMCT Testing Reports to any Supplier Party that was planning to enrol one or more SMETS1 Installations that are comprised of the requested EPCL entries that are the subject of the DMCT Testing Reports.

Pursuant to Clause 20.38 The TAG has not considered that a different determination of the number or severity of the extant Testing Issues against the relevant Testing Issue Thresholds should be arrived at or might be arrived.

Pursuant to Clause 20.39, each Supplier Party that received a draft DMCT Testing Report (pursuant to Clause 20.36) has confirmed to the DCC that they will not refer the matter to the Secretary of State for a determination (pursuant to Clause 20.37).

Pursuant to Clause 20.39 the draft DMCT Testing Report has been updated as necessary and deemed to be final.

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 FOC on the following date 24 March 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).

For FOC, notification was via DCC Mass Comms email on 24 March 2021 titled 'SMETS1 FOC DMCT Status List & Excluded from Schedule v3.0, and FOC DMCT Schedule v3.0 - REQ000000176370'.

The comms notified those relevant Suppliers of the publication on the DCC Website of FOC versions 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](#))