Data Communications Company

Consultation

On the process for Device Model Combination Testing (DMCT Process)

Date: **31st July 2019**

Classification: **DCC Public**

Consultation opens: 31st July 2019
Consultation closes: 28th August 2019

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1   Introduction

The latest version of the SEC Variation Testing Approach Document for SMETS1 Services ('SMETS1 SVTAD') was designated by the Secretary of State on 14 June 2019 and included in the Smart Energy Code (SEC) from version 6.14 onwards as Appendix AK. As part of agreeing to designate the SMETS1 SVTAD in September 2018, BEIS stipulated in their Designation Letter and response to their consultation on 'Incorporation into the Smart Energy Code (SEC), the SEC Variation Testing Approach Document (SVTAD) for DCC SMETS1 Services'[1], that they expected DCC 'to propose a further iteration to the SVTAD to make provisions for undertaking further testing. This testing would be to enable Device Model Combination (DMC) to be added to the SMETS1 list of Eligible Product Combinations where a Device Model Combination has either been de-selected from Systems Integration Testing (SIT) or not-selected for SIT but eligible to be tested. This consultation sets out DCC's proposal on how we look to achieve this. A number of consequential changes are required to the Migration Testing Approach Document for SMETS1 Services (MTAD) which are also set out in this consultation.

The closing date for responses is 28th August 2019.

2   Consultation Structure

This consultation document, in addition to version 1.3 of the SMETS1 SVTAD, forms our consultation on proposals for the process for testing additional SMETS1 Device Model Combinations (the DMCT Process) where they have not been successfully tested as part of a Capability Release, which DCC has designed in a manner to enable the process to be delivered in the most economic and efficient way possible.

This consultation has the following components:

- **Section 1** provides an introduction;

- **Section 2** provides detail around the consultation structure;

- **Section 3** summary of DCC's development of, and engagement with stakeholders in relation to the DMCT process;

- **Section 4** provides an overview of the DMCT Process contained in clause 20 of the SMETS1 SVTAD;

- **Section 5** sets out the consequential changes required to the SMETS1 SVTAD and the MTAD and the proposed modification date;

- **Section 6** sets out a summary of the questions DCC is seeking views on regarding DMCT; and

- **Section 7** sets out how and by when to respond.

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[1] https://smartenergycodecompany.co.uk/latest-news/sec-variation-testing-approach-document-svtad-smets1/

3 Development and stakeholder engagement

We have continued to liaise with our customers, BEIS, the SEC Panel and its sub-committees to further refine the design of the SMETS1 DMCT Process.

In order to provide stakeholders with sufficient time to contribute to the development of the DMCT Process, we held a Customer Engagement Day on 27 March 2019 and presented at the DCC SMETS1 Quarterly Migration Forum on 12 June to discuss aspects of the DMCT Process.

DCC has also been providing progress updates on the development of DMCT to the Test Advisory Group (TAG) between February 2019 and April 2019 to discuss the DMCT approach and the potential variants of test packs to be executed for DMCT. In addition, we provided an update to TAG on 29 May 2019 on DMCT test pack selection as well as how testing issues would be dealt in the DMCT Process.

The DMCT Process was approved by the SMETS1 Design Authority on the 12 June and discussed at TBDG (Technical Business Design Group) on the 17th July.

This consultation is seeking views on our proposed amendments to SEC Appendix AK, and the MTAD which are set out in Section 4 and 5 below. The proposed consequential drafting changes to the SMETS1 SVTAD and MTAD are shown in Annex C and Annex E. DCC is proposing to modify the SMETS1 SVTAD and the MTAD using the procedure set out in clause 4.2 of the SMETS1 SVTAD.

The DCC will also be holding a consultation briefing session on the 15th August 2019. Further details on this session can be found through the DCC website on the page for this consultation.

4 Proposal: Device Model Combination Tests Process (DMCT Process)

DMCT will provide the same level of device assurance as will be obtained for those devices that have been tested in SIT. The combination of Migration Testing, SIT and DMCT will deliver extensive coverage of the DCC service capability in the most economic and efficient manner.

The below diagram provides a high-level view of DMCT Process in comparison with the SIT Device Selection process described in Clause 13.1 of the SMETS1 SVTAD. The terms mentioned in the diagram will be explained in further detail later in this consultation document.
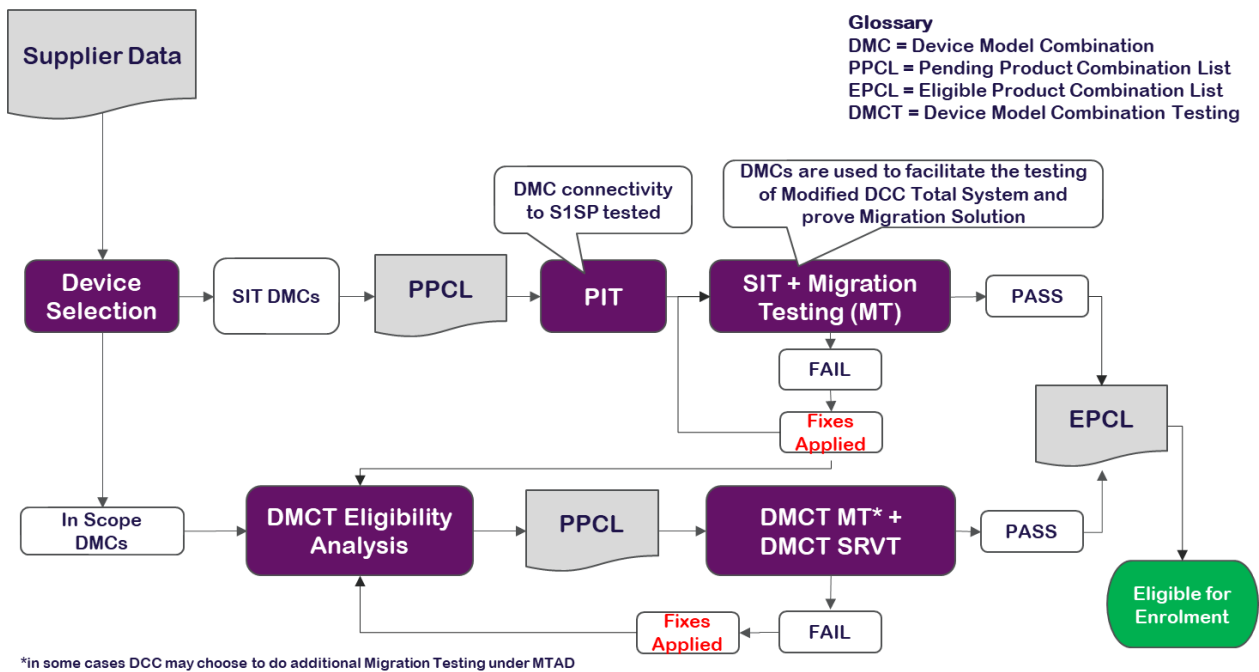
Figure 4.1 – DMCT and SIT

The DMCT Process is split into 4 key sub-processes:

4.1   Information Gathering

The DMCT Process begins with DCC issuing a Request For Information (RFI) to all Suppliers seeking to understand which Device Model Combinations (DMCs) Suppliers are planned for enrolment. DCC will issue an RFI template to all Suppliers 10 working days before the end of every 2 calendar months. The start of this formal sequence will begin in the month following the SVTAD changes coming into effect, however DCC have requested an early submission in advance of this event. This will enable the DCC to produce a DMCT Schedule and formally commence DMCT shortly after the SVTAD changes coming into effect. This RFI was issued on the 18th July and responses are expected on the 8th August.

This timeframe aligns with the SVTAD where Suppliers will have 5 working days, from the start of every 2 calendar months, to submit the RFI template containing the DMCs they are planning for Enrolment. DCC will specify in the RFI the information that is required alongside notification of the DMCs, which may include but is not limited to:

- Corresponding SMETS1 Device Models which make up the DMC;
- Detail about SMETS1 Consumer Devices;
- Number of Smart Metering Systems expected to be comprised of this DMC pre-Enrolment;
- Date which Suppliers plan to enrol the DMC;

- SMETS1 Device availability (DCC require a minimum of 6 devices sets to complete DMCT for a DMC);
- Whether the DMC is a fix to previously tested DMC in DMCT; and
- Release notes for the firmware of the SMETS1 Device Models.

DCC appreciate that the volume of how many Smart Metering Systems are planned for enrolment for each planned EPCL entry will be a forecast, if there are firmware upgrades yet to be completed. However, DCC requires this to inform prioritisation of testing of the DMCs, as explained in section 4.2. Suppliers are also requested to confirm in writing if their previous submission is unchanged, in which case DCC can therefore rely on this data as the most up to date position.

Supplier instructed upgrade paths and associated DMC volumes continue to evolve. In light of that, DCC will engage directly with the Suppliers and Smart Meter System Operators (SMSOs) to understand the changing position. This is being done to ensure that DMCs can be tested via the DMCT Process. In parallel, Suppliers will continue to have the opportunity to upgrade their firmware on their DMCs to those versions successfully taken through SIT or subsequently to the versions successfully taken through the DMCT Process.

DCC expect that Suppliers will be able to provide information about the active DMCs which they plan to enrol. DCC will be working with the Smart Metering System Operators (SMSOs) to obtain information regarding dormant meters and consider these volumes in the DMCT Process. Suppliers will not be obligated to provide data to the DCC if Device Selection for devices to use in SIT for the relevant Capability Release has not concluded. However DCC appreciate any information which can be provided as DCC wish to understand as much as possible regarding Supplier's enrolment plans.

DCC are requesting Suppliers to confirm device availability for the DMCs which are planned for enrolment as DCC may be unable to source devices through any other means, and therefore would be unable to test without support from Suppliers. The DCC require 6 sets for testing a DMC, as a minimum, depending on the extent of testing required for the planned EPCL entry, as described in section 4.3.3 and 4.3.4. The DCC will be requesting device sets where the firmware of the Communications Hub, ESME and GSME is one firmware version lower than the planned EPCL entry. The reason for this is testing of the firmware upgrade forms a part of the Standard Dormant DMCT Migration Test Pack outlined in section 4.3.1. DCC may make subsequent requests for devices if issues are found in DMCT which render devices unusable.

4.2   DMCT Eligibility Analysis & Scheduling

Once RFIs have been returned the DCC shall consolidate the submissions, which represent the 'In Scope DMCs' and consider whether the DMCs submitted via the RFI process should be included

in the DMCT Schedule. As part of this consideration, DCC will evaluate whether testing is required and if so, whether it can be reasonably confident of the planned date for testing to start. DCC will, therefore, take into consideration whether the DMC is:

- Already on or proposed to be on the list of Eligible Product Combinations (EPCL);
- Substantively equivalent to another DMC on the EPCL;
- Already planned for testing in DMCT;
- Currently being tested in SIT or PPCT;
- Part of an Operating Capability which is unlikely to complete SIT or Migration Testing prior to the production of the next DMCT Schedule;
- Awaiting fixes to resolve defects found from previous iterations of DMCT;
- Economically viable to test;
- A DMC which has undergone some prior testing which means additional testing is not required in order to propose the DMC for addition to the EPCL;
- Available in sufficient quantities for executing DMCT.

Where DCC considers the Operating Capability is unlikely to complete SIT or Migration Test within the required timeframe, the DCC won't include associated DMCs in the DMCT Schedule as we would not be sufficiently confident of planned dates for testing. The DCC plan to only test DMCs in the DMCT once the Operating Capability of which the DMC forms a part has completed SIT or Migration Testing. This is because until this point DCC will not be sufficiently confident, that changes introduced to the DCC Total System as a result of a new Operating Capability are stable enough to be tested against.

Where DCC believes a DMC is not economically viable to test, this will be based on a comparison between the cost of testing the planned EPCL entry versus DCC's estimate of the cost of replacing all the Smart Metering Systems of which that planned EPCL entry comprises with a SMETS2 Installation. However, where DCC recommends that it is not economically viable to test, a decision on whether or not testing should proceed will be made by the Secretary of State.

The DCC shall update the PPCL to include all DMCs that are being considered as part of the DMCT process, with an appropriate status classification indicating where they are in the process. DCC will also publish a PPCL prior to the DMCT SVTAD changes coming into effect with all DMCs that have undergone DMCT eligibility analysis to date having a status of 'Draft'. An example of the PPCL with the various statuses is provided in Annex B.

DCC is proposing to use prior testing evidence in the case of 2 Honeywell Elster DMCs, which will may complete testing prior to the changes to the SVTAD introducing DMCT coming into effect. These DMCs will be tested using the approach to DMCT described in 4.3.1 and 4.3.2. DCC have already conducted some initial testing on the 2 Honeywell Elster DMCs and no major issues have

been found thus far. The DMCs that will be undergoing this testing can found on the List of Pending Product Combinations (PPCL) with a status of 'Draft'. A link to the PPCL can be found in Annex B.

DCC will prioritise DMCs for testing based on the number of Smart Metering Systems forecasted to be enrolled that are associated with each DMC and the planned timing of enrolment. However, DCC also have a dependency on the availability of SMETS1 test Devices and therefore will take this into consideration when publishing the DMCT schedule. The DMCT schedule will contain all the DMCs for which DCC is confident that devices can be sourced for testing and planned testing dates can be scheduled.

The DMCT Schedule will contain the planned start and end dates for DMCT of each DMC, in addition to which test pack is planned to be executed and rationale where this is not the standard test pack. DCC will publish the DMCT schedule on the DCC website and will notify parties accordingly, in addition to sharing with SECAS for publication on the SEC website.

The first DMCT Schedule will be published on the day or shortly after this SVTAD clause comes into effect, relying upon information provided by Suppliers in August 2019.

Where DCC considers that the testing of a particular DMC is not required following the DMCT eligibility analysis exercise described above, the DCC will notify Suppliers who have included the particular DMC in their enrolment plan submission, providing the rationale for exclusion. This will also be made available to other Suppliers via the DCC website prior to the next enrolment plan submission. Suppliers may dispute the non-exclusion of DMCs in the DMCT Schedule in the following cases:

- Where DCC believes a DMC is substantively equivalent to another DMC on the EPCL; and
- Where DCC believes a DMC has undergone some prior testing which means additional testing is not required in order to propose the DMC for addition to the EPCL.

If a Supplier wishes to dispute, it must notify the DCC and DCC will update the DMCT Schedule to include the previously excluded DMC.

4.3 DMCT Execution

4.3.1 DMCT Migration Testing (DMCT MT)

In all cases DCC will test a DMC against the migration solution. However, the form the tests take (which could be a simple set of automated tests using an automated test pack under the DMCT process, or a more involved set of tests using the testing framework set out in the MTAD), will vary depending upon the DMC in question.

Where the Migration Solution has been tested previously for the meter manufacturer, the DCC will execute the Standard Dormant DMCT Migration Test Pack, which comprises of Dormant Meter Readiness Testing (DMRT) and tests to confirm that the DMC can be successfully migrated as per the Transition and Migration Approach Document (TMAD) including that the DMC can be rolled back to original state in the SMSO.

If the planned EPCL entry is a Mixed or an Active DMC, the DCC will use evidence of testing Dormant entries of which the Mixed or Active DMC comprises. DCC consider this to be sufficient testing as there is no difference at a device level between the handling of Active, Dormant and Mixed DMCs, and this functionality will have been proven in Migration Solution Testing for the Operating Capability.

The processing element of the migration solution varies slightly for each meter manufacturer and therefore in the instance where the migration solution has not yet been tested against the meter manufacturer of which an Operating Capability is comprised, the DCC may be required to run a different set of tests to those in the Standard Dormant DMCT Migration Test Pack.

Where DCC believes that testing of the functional migration solution is required rather than running the Standard Dormant DMCT Migration Test Pack, the DCC may instead perform Migration Testing for that DMC. Accordingly, the Depth & Breadth of Migration Testing for that DMC would be agreed with TAG as provided for under the MTAD.

4.3.2 DMCT Service Reference Variance Testing (DMCT SRVT)

Once tested against the migration solution, DCC would then undertaking testing against service requests that can be sent in respect of enrolled SMETS1 Smart Metering Systems (Service Reference Variance Testing (SRVT)). DCC's proposed approach to SRVT will be to focus solely on testing of the device specific SRVs which are sent to the meter as no changes are required to the DCC Total System in order to support testing and operation of the DMCs. As much of this testing as possible will be automated, however an element of manual testing will be required to test meter alerts and to ensure commands have been processed correctly on the meter.

The Standard DMCT SRVT test pack will be designed to cater for a Dual Fuel set. DCC's assumption is that this evidence could be used to add the following permutations of the DMC under test to the EPCL:

- Single Fuel;
- Dual Fuel No PPMID/IHD; and
- Single Fuel No PPMID/IHD.

The Standard DMCT SRVT test pack will be agreed with TAG for each Operability Capability and DCC will execute the test pack relevant to the Operating Capability of which the planned EPCL

entry forms a part of. There will be a common set of tests across all Operating Capabilities to ensure consistency from an interoperability perspective, however additional tests may be added for specific functionality related to each Operating Capability.

DCC may also choose to vary the test pack to cater for different variants of combinations once the DCC is confident in the DMCT Process, for example where the only variant in a DMC is a PPMID or IHD. If DCC proposes to select a test pack other than the Standard DMCT SRVT test pack for each Operating Capability, this will be discussed and agreed with TAG prior to test execution (the drafting also provides for DCC to seek to vary the Standard DMCT MT test pack if required).

DCC's current capacity for DMCT is to test 6 DMCs in each tranche of testing, and the forecasted timeframe for running the Standard Active or Dormant test pack and the Standard DMCT SRVT test pack is as follows:
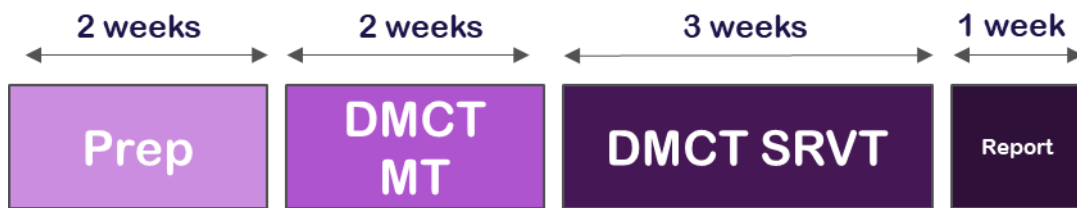

Figure 4.3.2.1 – DMCT Timeline

Where it is agreed that a Non-Standard test pack for either DMCT MT or DMCT SRVT is required the timescales may differ and this will be communicated in the DMCT Schedule.

DCC is planning to overlap some of the testing in order to maximise the speed of enrolment, proposed Tranche 1 and Tranche 2 overlap is explained in the diagram below:

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Tranche 1 - Set Up Devices	■	■										
Tranche 1 - DMCT MT			■	■								
Tranche 1 - DMCT SRVT					■	■	■					
Tranche 1 - DMCT Report produced								■				
Tranche 2 - Set Up Devices					■	■						
Tranche 2 - DMCT MT							■	■				
Tranche 2 - DMCT SRVT									■	■	■	
Tranche 2 - DMCT Report produced												■

Once DCC is confident in the DMCT Process the DCC may also look to increase the number of DMCs which can be tested in a tranche, in order to facilitate the enrolment of as many Smart Metering Systems as soon as reasonably practicable.

4.3.3   DMCT Testing Issues

When testing a DMC, testing issues may arise which could be fixed in a number of ways, via a change to one or more of:

- the DCC Systems;

- the DCC Systems and the Smart Energy Code;

- a Device (e.g. a configuration change or new firmware);

- the Smart Energy Code (but not DCC Systems).

Where DCC believes a change to the DCC Systems but no change to the Smart Energy Code (SEC) is required, the DCC will progress change(s), re-run the test pack and update the DMCT Schedule with revised completion dates. However, where such a change could have a material impact on the timescales to get through testing for that DMC, the DCC may be directed otherwise, towards a different resolution, by the Secretary of State. The DCC will notify all parties of proposed changes prior to implementation.

Where DCC believes a change to the DCC Systems and a change to the Smart Energy Code (SEC) (most likely the SMETS1 Supporting Requirements) is required, the DCC will propose changes to the Secretary of State and an approach to testing, governing and implementing these changes, will be discussed and agreed with TAG. Where DCC and TAG cannot agree on an approach for testing, the matter will be referred to the Secretary of State. However, where the Secretary of State indicates that it considers a SEC change should not be progressed, the DCC will reconsider and propose an alternative solution for resolution of the testing issue.

Where DCC believes a change to a SMETS1 Device(s) firmware is required, the DCC will make a recommendation to the Secretary of State. Where the Secretary of State agrees with DCC's recommendation, the DCC will update the status of the DMC accordingly on the PPCL and it will be removed from the DMCT Process. If the Supplier progresses resolution of the issue to result in a new DMC, it is expected the new DMC will enter the DMCT Process via the Supplier enrolment plans submission.

Where DCC believes the testing issue to be a result of configuration the DCC will make a recommendation to the Secretary of State. Where the Secretary of State agrees the DMC will be suspended from DMCT with its status updated accordingly on the PPCL, and the Supplier will be requested to provide evidence of resolution in a subsequent enrolment plan submission.

Where the DCC believe a change to the Smart Energy Code is required, (most likely the SMETS1 Supporting Requirements), the DCC shall recommend this to the Secretary of State and the DCC will draft a document or set of documents to reflect the required changes and recommence testing.

In circumstances where the Secretary of State does not agree with DCC's recommendation, the DCC will reconsider and propose an alternative solution for resolution of the testing issue.

4.4   DMCT Completion

Following completion of DMCT the DCC will produce a DMCT report, stating whether the DMCT has passed or failed, and this will be published on the DCC website. Once published DCC will notify all affected parties. A DMC will have to pass 100% of tests to pass testing because all testing issues would have been resolved in accordance with the process described above.

Question 1:	**Do you agree with our proposals for Device Model Combinations Tests? Please state the reasons for your view**?

5   Consequential amendments to the SMETS1 SVTAD and MTAD

In addition to the amendments set out in section 4 there are a number of consequential changes to the SMETS1 SVTAD and MTAD which are required. These are set out in Figure 5.1 below:

No.	Reference	Description of Change	Rationale for Change
1.	SMETS1 SVTAD Clause 20	Proposed changes as set out in Section 4 of this consultation document.	To meet the Direction by the Secretary of State to provide for undertaking further testing to enable DMCs to be added to the SMETS1 EPCL where a DMC has been de-selected from SIT
2.	SMETS1 SVTAD Clause 1 (Definitions & Interpretations)	Changes to definitions	To support changes elsewhere in documents.
3.	SMETS1 SVTAD Clause 2.4	Additional clause added	To include the obligation on DCC to undertake the DMCT process
4.	SMETS1 SVTAD Clause 5.2	Additional clause added	To include the objective and purpose of DCC undertaking DMCT
5.	SMETS1 SVTAD Clause 5.5	Clause reworded	To include scope of DMCT in respect of each Operating Capability

No.	Reference	Description of Change	Rationale for Change
6.	MTAD Clause 4.3	Additional line added for MOC and FOC for each DMC that is planned to be the subject of SIT.	To provide clarification that DCC may also undertake Migration Testing for any DMCs that are in the DMCT Schedule.
7.	MTAD Clause 5.1	Additional line added	To provide clarification that DCC can rely on previous evidence from tests run in previous Migration Test Phases rather than re-running tests, where provided for in the Depth and Breadth of Migration Testing Document for a Migration Test Phase.
8.	MTAD Clause 5.4	Line deleted	Line deleted as it is provided for in Clause 5.1.
9.	MTAD Clause 6.6	New Clause added	To provide clarification that DCC may, where provided for in the Depth and Breadth of Migration Testing Document for a Migration Test Phase, rely on evidence from tests run in previous Migration Test Phases rather than re-running tests.

Figure 5.1 - Overview of consequential Drafting Changes

5.1   Proposed date of designation

DCC is proposing to modify the SMETS1 SVTAD and the MTAD using the procedure set out in clause 4.2 of the SMETS1 SVTAD.

Following consultation, DCC will ensure it builds in sufficient time for BEIS to take a view on the merit of designating the changes, providing first a summary of responses received and detail on how DCC have addressed any concerns raised. DCC expects to issue its conclusions to this consultation, along with any necessary amendments to the SMETS1 SVTAD and MTAD on or before 18th September 2019.

Unless the Secretary of State directs otherwise, DCC propose to re-designate the amended SMETS1 SVTAD as Appendices AK to the SEC and modify the MTAD through the draft direction at Annex A, on 25th September 2019 (or, if necessary, as soon as reasonably practicable within one month thereafter).

Question 2:	Do you agree with our proposed re-designation date for the SMETS1 SVTAD?

6   Question Summary

Question 1:	**Do you agree with our proposals for Device Model Combinations Tests? Please state the reasons for your view**?
Question 2:	**Do you agree with our proposed date for modification of the SMETS1 SVTAD and the MTAD?**
Question 3:	**Do you have any other comments on the proposed changes to the SMETS1 SVTAD or the MTAD? Are you aware of any other issues, relating to DMCT and the SMETS1 SVTAD or MTAD that should be addressed and / or considered? Please state your reasons why.**

7   How to respond

Please provide responses by 17:00 **28th August 2019** to DCC at consultations@smartdcc.co.uk. If you have any questions about the consultation documents, please contact Ofordi Nabokei at ofordi.nabokei@smartdcc.co.uk.

Consultation responses may be published on our website www.smartdcc.co.uk. Please state whether all, or any part, of your consultation response is confidential. Please note that responses in their entirety (including any text marked confidential) may be made available to the Department Business, Energy and Industrial Strategy (BEIS) and the Gas and Electricity Markets Authority (the Authority). Information provided to BEIS [or the Authority], including personal information, may be subject to publication or disclosure in accordance with the access to information legislation (primarily the Freedom of Information Act 2000, the Data Protection Act 1998 and the Environmental Information Regulations 2004). If BEIS [or the Authority] receive a request for disclosure of the information [we/they] will take full account of your explanation (to the extent provided to them), but [we/they] cannot give an assurance that confidentiality can be maintained in all circumstances. An automatic confidentiality disclaimer generated by your IT system will not, of itself, be regarded by us as a confidentiality request.

8   Annexes

Annex A: Modification Text for SMETS1 SVTAD re-incorporation.

Annex B: List of Pending Product Combinations (PPCL)

Annex C: SMETS1 SVTAD (track change version)

Annex D: SMETS1 SVTAD (clean version)

Annex E: MTAD (track change version)

Annex F: MTAD (clean version)

Annex A

This annex contains the text that DCC intend to utilise for modification of SEC Appendix AK (SEC Variation Testing Approach Document for SMETS1 Services) and the MTAD.

Modification Text

Words and expressions used in this direction shall be interpreted in accordance with Section A (Definitions and Interpretation) of the SEC.

Pursuant to Clause 4.2 of the SMETS1 SVTAD, DCC directs that, with effect from 25th September 2019, the SMETS1 SVTAD designated and incorporated into the SEC as Appendix AK and the MTAD is hereby modified and incorporated in the form set out in Annex [TBC] of this direction.

For the avoidance of doubt such modification of the SMETS1 SVTAD shall be without prejudice to anything done under the DCC Licence or the SEC on or after these documents first being designated, or to the continuing effectiveness of anything done under these documents prior to their modification (which shall have effect as if done under the re-designated documents).

This direction is also being notified to the SEC Administrator.

Annex B

This annex contains the List of Pending Product Combinations (PPCL) referred to in Section 4.2.

The template for the PPCL can be found on the List of Pending Product Combinations (PPCL) page on the SEC website, this should be read in conjunction with the Guide to the PPCL in the same location.

The PPCL will contain statuses to explain the **current standing of a DMC. The number of statuses referred to in the PPCL will increase over time but the current agreed position is as follows:**

Status	Definition
Withdrawn	Where the resolution of the Testing Issue relating to the Device Model Combination has meant that a firmware change is required and the DMC is therefore for eligible for migration.
Under Consultation	Where a Device Model Combination is being considered as part of the Device Selection in accordance with Clause 13 of the SMETS1 SVTAD
Draft	Where a Device Model Combination is pending the inclusion of DMCT in the SMETS1 SVTAD
Undergoing Migration Testing	Where a Device Model Combination is undergoing Migration Testing in accordance with the Migration Testing Approach Document for SMETS1 Services.
Proposed for addition to EPCL	Where a DMC has completed testing and proposed for addition to the list of Eligible Product Combinations (EPCL)
Completed	Where a DMC has completed testing, passed the necessary governance and been added to the EPCL

The current version of the PPCL can be found here:
https://smartenergycodecompany.co.uk/smets1-pending-products-combination-list-ppcl/