



**Changes to the Migration Error
Handling and Retry Strategy to include
the FOC Cohort - Consultation
Document**

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1. Introduction and Context

A number of energy suppliers have installed first generation smart devices (known as SMETS1 devices) in consumers' premises across Great Britain. The Data Communications Company (DCC) has designed a solution for the enrolment of SMETS1 devices into its network. Part of DCC's plan to deliver SMETS1 services involves a detailed approach for migrating SMETS1 Installations into DCC's systems. The detailed technical and procedural requirements of this approach are set out in the SMETS1 Transition and Migration Approach Document (TMAD). The current TMAD (which covers requirements for the initial operating capability (known as 'IOC') for SMETS1 Services) was designated by the Secretary of State on 28 July 2019 and included in the Smart Energy Code (SEC) from version 6.14 onwards as Appendix AL of the SEC.

Clauses 8.8 to 8.10 of the TMAD covers the arrangements for initial development and subsequent change of the Migration Error Handling and Retry Strategy (MEHRS). The recently baselined version of MEHRS¹ covers the Initial Operating Capability (IOC), Middle Operating Capability (MOC – MDS) and changes to include the Middle Operating Capability (MOC – Secure) were concluded² upon on by the DCC on 24 July 2020 following a consultation with Industry.

Subsequently, there are further changes to MEHRS that are required to expand the content to cover for the Final Operating Capability (FOC).

The changes made to MEHRS within the scope of this consultation are against the published conclusion version for MOC (Secure). These amendments cover instances where the FOC cohort has specific error/retry resolution scenarios that vary from the IOC and MOC cohorts due to differences between Installation types.

Specific changes are listed in Section 2 of this document. Some minor administrative changes have also been made to MEHRS that provide additional clarity on the drafting and apply generally to all cohorts as indicated in Section 2.

This consultation document is seeking views on the detailed amendments to the MEHRS.

2. Changes to the MEHRS

This version of MEHRS has a number of changes in the main body of the document when compared to the MOC (Secure) conclusion version.

There are a few minor drafting changes within the legal drafting to amend for typographical errors and improve clarity. The key proposed changes to the MEHRS are set out in Table 1 - Overview of Drafting Changes.

No	MEHRS Reference	Description and Rationale for Change
1.	1.4	Added a new definition for Migration Common File Validation Function

¹ <https://www.smartdcc.co.uk/document-centre/tmad-child-documents/migration-error-handling-and-retry-strategy-mehrs/>

² <https://www.smartdcc.co.uk/customer-hub/consultations/dcc-responses/dcc-conclusions-on-updates-to-the-migration-error-handling-and-retry-strategy-for-moc-secure/>

No	MEHRS Reference	Description and Rationale for Change
2.	2.4.3 2.4.4 2.4.5	Amended context of this section to distinguish between IE S1SP Migration Common File Validation Function and the other S1SP Functions. This is a documentation change only.
3.	2.4.6	Updated to clarify that Migration Common Validation File is sent to S1SP as well. This is a documentation change only.
4.	2.5.2.1	Introduced a new section for Group ID = "EA" or Group ID = "EB" to cover a scenario when SMSO is unable to apply certificate on Communication Hub of SMETS1 Installations.
5.	2.5.6	Introduced a new section for Group ID = "EA" or Group ID = "EB" to cover a scenario when Requesting Party is unable to generate Migration Group File/Migration Group Encrypted File (post SIM Handover/account switch beyond 24 hours).
6.	2.5.7	Introduced a new section for Group ID = "EA" or Group ID = "EB" in case of Migration Group File whole file validation error and raised incident against the Requesting Party.
7.	2.5.8	Introduced a new section for Group ID = "EA" or Group ID = "EB" in case of Migration Group Encrypted File whole file validation error and raised incident against the Requesting Party.
8.	2.5.9	Introduced a new section for Group ID = "EA" or Group ID = "EB" in case of S1SP Required File Set SMETS1 Installation level validation error and raised incident against the Requesting Party.
9.	2.5.11	Introduced a new section for Group ID = "EA" or Group ID = "EB" in case of Migration Group Encrypted File SMETS1 Installation level validation error (DCO) and raised incident against the Requesting Party.
10.	2.6.2	Added a reference for Group ID = "EA" or Group ID = "EB" to S1SP Retry strategy to establish communication with Communication Hub (Section 3.5)
11.	2.6.4	Changed the DCO Migration Group Encrypted File Timeout from 48 to 192 hours. The update aligns MEHRS with TMAD Clause 5.16 and FOC Migration Solution.
12.	2.6.6	Added a new Rollback Error for Group ID = "EA" or Group ID = "EB". The new error handling scenario is introduced when the S1SP is unable to replace DCC certificates on the Communication Hub with SMSO certificates.

No	MEHRS Reference	Description and Rationale for Change
13.	2.7.5 2.7.7	<p>Updated suggested actions for specific response codes:</p> <p>"Where such a response code occurs and the device has been commissioned on to the DCC network, the Responsible Supplier should issue a Request Handover Of DCC Controlled Device Service request (SRV6.21) to update certificates associated with the device. "</p> <p>The reasoning behind this change is that the Commissioning Party cannot rerun the SRV6.21 as the commissioning process has moved further.</p>
14.	3.4	<p>Introduced a new section Retry strategy to apply certificates for Group ID = "EA" or Group ID = "EB"</p> <p>The addition applied to align MEHRS with the FOC Migration Solution</p>
15.	3.5	<p>Introduced a new section S1SP Retry strategy to establish communication with Communication Hub of SMETS1 Installation for Group ID "EA", "EB"</p> <p>The addition applied to align MEHRS with the FOC Migration Solution.</p>
16.	A.1	<p>Extended <i>Applicable Group ID</i> column with Group ID = "EA" or Group ID = "EB". The change applied in <i>Table A.1 - Additional Reason Codes</i></p>
17.	A.1	<p>Reason Code Descriptions aligned with the validation checks criteria in Section 2.3.2.</p> <p>This is a documentation change only.</p>
18.	A.1	<p>Removed Secure Pre-validation checks 16.9.x from the MA Error Codes list and introduced a new Error Code MA533 which will replace these pre-validation checks.</p> <p>The change required to align Secure data into the other cohorts MRR02 and MRR06 Solution: TMAD Checks in MRR02 and MA Error Codes in MRR06.</p> <p>Please note all 16.9.x error codes were temporarily added to MOC Secure MEHRS version to align with the Secure Going Live.</p>

Table 1 - Overview of Drafting Changes

MEHRS for FOC Q1	Do you have any comments on changes to the MEHRS for FOC within the scope of this consultation?
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3. Next Steps

Following the closure of this consultation, DCC will consider respondents' views consistent with the requirement to engage with stakeholders as per Clause 8.8 of the TMAD and then conclude on the draft MEHRS document.

Consistent with the provisions of Clause 8.9 of the TMAD, following publication of the draft MEHRS document, there is a 14 day appeal window that permits any Supplier Party to appeal the

draft MEHRS to the Secretary of State for a decision. Following the outcome of the process the updated MEHRS will be final and published on the DCC website.

4. How to Respond

Please provide responses in the attached template by 1600 on 25 November 2020 to DCC at consultations@smartdcc.co.uk.

Consultation responses may be published on our website www.smartdcc.co.uk. Please state clearly in writing whether you want all or any part, of your consultation to be treated as confidential. It would be helpful if you could explain to us why you regard the information you have provided as confidential. Please note that responses in their entirety (including any text marked confidential) may be made available to the Department of 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 2018 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.

If you have any questions about the consultation documents, please contact DCC via consultations@smartdcc.co.uk.

5. Attachments

- Attachment 1 - Migration Error Handling and Retry Strategy v3.1 (change marked against V3.0 FOC version)
- Attachment 2 - Response Template