

SMETS1 TMAD v1.4 CONSULTATION BRIEFINGS

Wednesday 14th August 2019 14:00-15:30hrs

Wednesday 21st August 2019 12:00-13:00hrs

Note this briefing will be through WebEx and conf call

(There is no need to travel to Ibex House.)



Meeting Joining Details

THE MEETING WILL BE CONVENED AS A WEBEX.

PLEASE JOIN USING THE INSTRUCTIONS SENT WITH THE MEETING INVITE

HOUSEKEEPING

- Everyone to please go On Mute to avoid disruption
- Don't go On Hold if joining the audio as this can disrupt the session for others
- Questions to be asked at the end, so we can get through the presentation in a timely manner

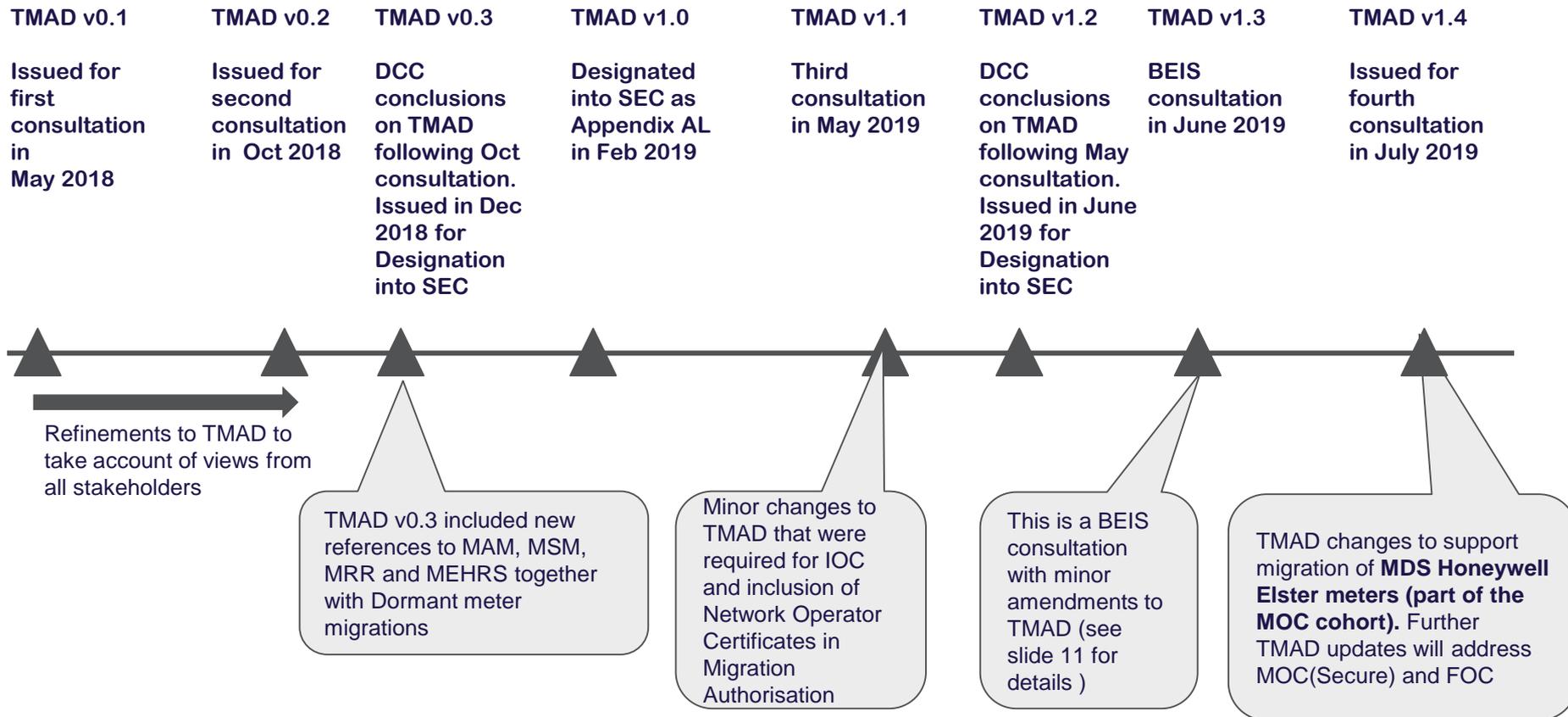
Agenda

1. Introduction
2. Objectives
3. Changes in TMAD v1.3
4. Changes in TMAD v1.4
5. Questions

1. INTRODUCTION



TMAD Timeline



DCC SMETS1 TMAD Consultation Briefing

- This briefing complements the TMAD v1.4 which was issued for consultation on 9 August 2019;
- The TMAD v1.4 changes are related to MDS to enable the migration of Honeywell Elster meters;
- In the interim there have been two changes in TMAD v1.3 that have no material impact which will be outlined in this presentation (as a result of BEIS Consultation on SEC Subsidiary Document Amendments);
- The TMAD v1.4 consultation closes at 16:00 on Friday 06 September 2019;

Link to the TMAD documents:

<https://www.smartdcc.co.uk/customer-hub/consultations/dcc-consultation-on-tmad-for-moc-mds-smets1-smsol>

2. OBJECTIVES



Objectives

- The purpose of this briefing is to highlight the changes :
 - between TMAD v1.3 (BEIS consultation closed 9 July 2019, now designated) and TMAD v1.2 (designated 21 June 2019) for information purposes;
 - between TMAD v1.4 and TMAD v1.3;
- In doing so we will explain the rationale for the changes from the previous version and why DCC have proposed the changes in TMAD v1.4;
- We will not be presenting TMAD in its entirety;
- This is therefore to support the Industry in their understanding of the TMAD v1.4 so that SEC parties can provide informed feedback by 6 September 2019;
- SEC parties/Industry are not expected to have read TMAD v1.4 before this meeting. This session is to help guide the reader through the changes in the TMAD document.

3. Changes in TMAD v1.3 (since v1.2)



Changes in TMAD v1.3

There are two changes as follows:

- Clarifications to Clause 3.6 of TMAD to recognise that entries on the EPCL will include the communication services provider, and that the concept of “Eligible for Enrolment” in H5.8 of the SEC takes into account additional factors (i.e. the identity of the S1SP and whether the meters are dormant, active or a combination of the two);
- Change to Clause 5.12(d) to align the checks performed in the TMAD with the approach to IOC go live as communicated by the DCC;
- BEIS Consultation on SEC Subsidiary Document Amendments, link below:

<https://smartenergycodecompany.co.uk/latest-news/beis-consultation-on-sec-subsiary-document-amendments-and-designation-date-supporting-go-live-of-initial-dcc-smets1-service-operation-capability/>

4. Changes in TMAD v1.4



Key Changes in V1.4

Generic changes to Sections 3, 4, and 5

- applicable to all cohorts
- clarifications relating to:
 - responsibility boundaries
 - migration activity ownership and sequencing

GroupID specific changes to Sections 7, 14 and Appendix A

- new GroupID “CB” specific to MOC (MDS) cohort
- GroupID “CB” associated new:
 - ‘Pre Migration Configuration’ step details
 - ‘Post Migration Configuration’ step details

Walk-Through of Changes in v1.4

- **Generic**

TMAD Ref	Description (Added text in blue; deleted text in red)	
3.1A	No SMETS1 SMSO system (other than to the extent they are used to carry out Requesting Party activities) shall be considered to form part of the DCC Total System for the purposes of this Code.	
	Rationale for change	Clarifies the position in relation to SMETS1 SMSO Systems.
	Affected Parties:	IOC, MOC, and FOC cohorts: each SMSO

Walk-Through of Changes in v1.4

- **Generic**

TMAD Ref	Description (Added text in blue; deleted text in red)
3.2	<p>Application of Appendix AC (Inventory Enrolment and Withdrawal Decommissioning Procedures)”</p> <p>The provisions of Clauses 3.4 and 3.5 of the Inventory Enrolment and Withdrawal Decommissioning Procedures shall not apply to the addition of SMETS1 Devices to the Smart Metering Inventory where those Devices form part of a SMETS1 Installation that is to be Migrated.</p>
	<p>Rationale for change</p> <p>Aligns TMAD with the current version of SEC</p>
	<p>Affected Parties:</p> <p>IOC, MOC, and FOC cohorts: each SMSO</p>

Walk-Through of Changes in v1.4

- **Generic**

TMAD Ref	Description (Added text in blue; deleted text in red)	
3.17	<p>The Responsible Supplier for each Device referred to in Clause 4.26 of this TMAD acknowledges that the carrying out of one or more of the steps referred to in this TMAD at the request of DCC may result in the loss of Data stored on or in relation to each such Device and/or the ability to utilise the functionality of the Device. Neither the DCC nor the Installing Supplier shall be liable to the Responsible Supplier (or any other Party) for any Liability that arises from the carrying out of (or attempt to carry out) any of those steps at the request of DCC where (and to the extent that) such person has acted in accordance with Good Industry Practice.</p>	
	Rationale for change	Clarifies that the actions carried out to enable dormant devices for migration are at the request of DCC. This change applies to IOC as well as MOC (MDS) onwards
	Affected Parties:	IOC, MOC, and FOC cohorts: each Responsible Supplier (dormant); each Installing Supplier; DCC.

Walk-Through of Changes in v1.4

- **Generic**

TMAD Ref	Description (Added text in blue; deleted text in red)	
4.2	<p>Where and to the extent notified by the DCC, Eeach Supplier Party may request that the DCC undertakes early validation of any Migration Common Files pertaining to SMETS1 Installations comprising an Active Meter for which it is the Responsible Supplier. To enable this, the DCC shall permit each SMETS1 SMSO to make arrangements with the relevant Requesting Party to enable the submission of Migration Common Files for early validation purposes, provided that such files shall be submitted to a different location from those submitted by the Requesting Party pursuant to Clause 5.8. When the DCC receives such a file, it shall carry out the steps required by Clauses 5.9 and 5.10.</p>	
	Rationale for change	Change clarifying Supplier Parties need to wait on DCC for confirmation that they can request early validation of the Migration Common Files (MCF).
	Affected Parties:	IOC, MOC and FOC cohorts: all Supplier Parties.

Walk-Through of Changes in v1.4

- **Generic**

TMAD Ref	Description (Added text in blue; deleted text in red)	
4.8	<p>The DCC and each Responsible Supplier shall schedule the Migration of SMETS1 Installations comprising an Active Meter(s) that pertain to a particular SMETS1 SMSO in each Migration Week in accordance with the following process:</p> <p>(a) by no later than 10.00 hours on the Tuesday that falls three weeks and six days prior to each Migration Week, each Responsible Supplier shall notify the DCC, of the number of SMETS1 Installations in relation to which it reasonably expects to submit Migration Authorisations for each day of that Migration Week, per day and identify the number of those SMETS1 Installations per day per SMETS1 SMSO (the “Daily Migration Demand”) and this Daily Migration Demand will be dis-aggregated by Electricity Distributor;</p> <p>(b) by no later than 10.00 hours on the following Tuesday, the DCC shall confirm to each Responsible Supplier the number of SMETS1 Installations that the DCC is committing to Migrate on each day within that Migration Week for that Responsible Supplier per SMETS1 SMSO (the “Migration Demand Commitment”), which shall, subject to Clause 4.11, be the same as the Responsible Supplier’s Daily Migration Demand; and</p> <p>(c) by no later than 17.00 hours on that same following Tuesday, the DCC shall provide all Parties, the Panel, the Authority and the Secretary of State with a summary report that aggregates information from all Migration Demand Commitments, which includes the number of SMETS1 Installations dis-aggregated by Electricity Distributor in that Migration Week per SMETS1 SMSO, or where necessary a pro-rata estimate of this.</p>	
	Rationale for change	Clarifies that the information requested is per SMETS1 SMSO
	Affected Parties:	IOC, MOC and FOC cohorts: Responsible Supplier; DCC.

Walk-Through of Changes in v1.4

- **Generic**

TMAD Ref	Description (Added text in blue; deleted text in red)	
4.9	Where pursuant to Clause 4.8(b), the DCC fails to confirm the Migration Demand Commitment for a Responsible Supplier, the DCC shall be deemed to have agreed to and confirmed that the Responsible Supplier's Daily Migration Demand for each day per SMETS1 SMSO within the relevant Migration Week is that Supplier's Daily Migration Demand Commitment.	
	Rationale for change	Clarifies that the information requested is per SMETS1 SMSO
	Affected Parties:	IOC, MOC and FOC cohorts: Responsible Supplier; DCC.

Walk-Through of Changes in v1.4

- **Generic**

TMAD Ref	Description (Added text in blue; deleted text in red)	
4.10	Where pursuant to Clause 4.8(b), the DCC fails to confirm the Migration Demand Commitment for a Responsible Supplier, the DCC shall be deemed to have agreed to and confirmed that the Responsible Supplier's Daily Migration Demand for each day per SMETS1 SMSO within the relevant Migration Week is that Supplier's Daily Migration Demand Commitment..	
	Rationale for change	Clarifies that the information requested is per SMETS1 SMSO
	Affected Parties:	MOC and FOC cohorts: Responsible Supplier; DCC.

Walk-Through of Changes in v1.4

- **Generic**

TMAD Ref	Description (Added text in blue; deleted text in red)
5.1 (b)	<p>Before the DCC adds an entry to the SMETS1 Eligible Product Combinations, the DCC shall, for the Group which includes Devices with the corresponding combination of Device Models, notify to the relevant SMETS1 SMSO:</p> <p>(a) where SMETS1 Installations for that Group, according to the Group Specific Requirements, require a Migration Group Encrypted File, the Public Keys that are to be used to create any required EncryptedS1SPGroupInformation or EncryptedMasterKey elements and for each such Public Key:</p> <ul style="list-style-type: none"> (i) the Key Identifier (see X509SKI); (ii) the inclusive start and end dates of the period during which the Public Key may be used; and (iii) any constraints as to the part(s) of the Group in relation to which the Public Key can be used; <p>(b) and either</p> <ul style="list-style-type: none"> (i) the technical details that would be required in order to configure Devices within such SMETS1 Installations and any associated systems including those required by 'Pre-enrolment Configuration Requirements' for the specified GroupID, so as to be able to communicate with the DCC Live Systems; or (ii) a statement that no such configuration would be required for Devices comprising such SMETS1 Installations.”
Rationale for change	This links the GroupID specific Pre-enrolment Configuration Requirements with Section 5.
Affected Parties:	See specific GroupID sections in TMAD. For MOC MDS cohort see Clause 14.3

Walk-Through of Changes in v1.4

- **GroupID Specific**

TMAD Ref	Description (Added text in blue; deleted-text-in-red)	
7.14	Prior to the decommissioning of the Requesting Party, the DCC shall apply the configurations as required by 'Post Migration Configuration' for the specified GroupID.	
	Rationale for change:	New clause linking the Post Migration Configuration requirements introduced specifically for GroupID = "CB" for MDS (MOC) with Section 7
	Affected Parties:	MOC MDS cohort in this consultation - see entry for Clause 14.14 later.

Walk-Through of Changes in v1.4

- **GroupID Specific**

TMAD Ref	Description (Added text in blue; deleted text in red)	
14	Requirements specific to GroupID = "CA" or "CB".	
	Rationale for change:	Introduces the GroupID for the MOC (MDS) cohort.
	Affected Parties:	MOC MDS cohort: impacts all parties.

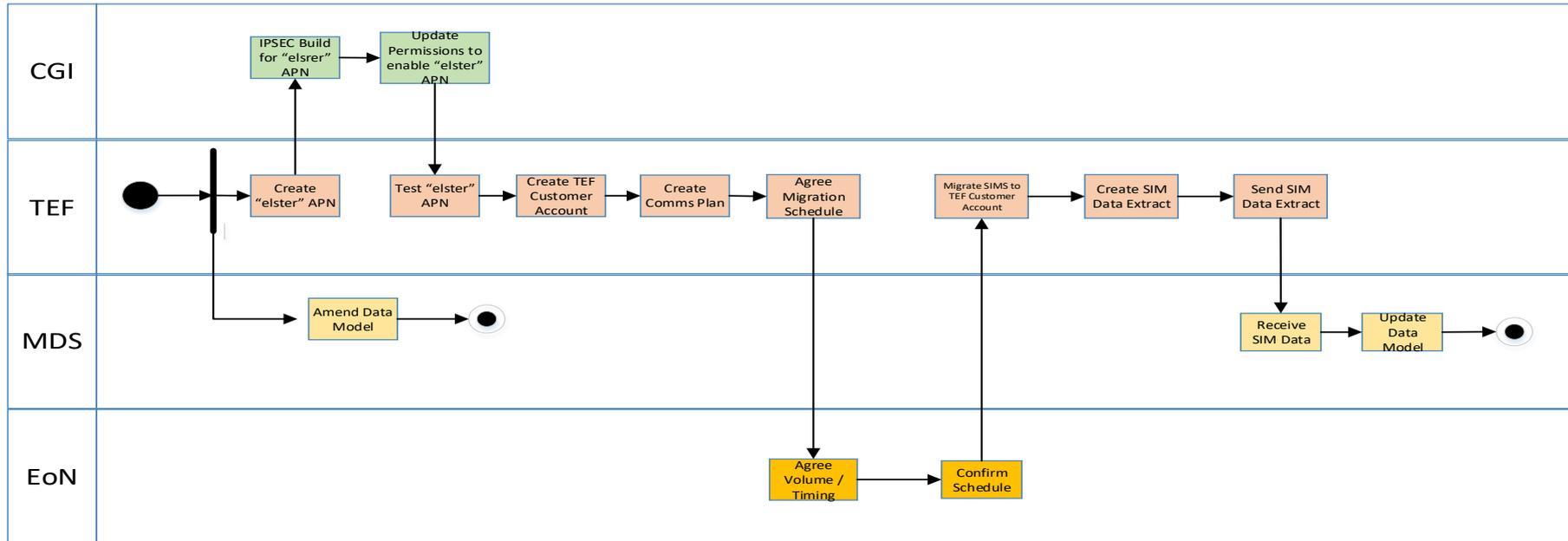
Walk-Through of Changes in v1.4

- **GroupID Specific**

TMAD Ref	Description (Added text in blue; deleted-text-in-red)
14.3	<p>To enable Clause 14.2 for GroupID = "CB", the DCC shall ensure that the communication service provider takes all reasonable steps to carry out any precursor steps that are necessary to allow the SMETS1 SMSO to configure the WAN in accordance with Clause 14.2 and provide any relevant information to the SMETS1 SMSO</p>
Rationale for change:	<p>This change supports the transition of the existing Subscriber Identity Module cards (SIMs) from the configuration used by the SMSO to the configuration that will be used by the S1SP post migration. This transition process will allow the existing SMSO function to continue transparently until the Migration process begins at Device level.</p> <p>Specifically the transition will support:</p> <ul style="list-style-type: none"> • Allocation of a Static IP Address for each SIM to be used post-migration • Transfer of the SIM IMSI value to MDS • Creation of a new APN for exclusive use by the DCC. Changing to the New APN removes the SIM, and the migrating Installation from the control of the SMSO.
Affected Parties:	E.ON each Responsible Supplier; MDS as SMSO; Telefonica as CSP, DCC.

Walk-Through of Changes in v1.4

- GroupID Specific



Process Outline

- A new APN, “elster” will be created by TEF and CGI.
- TEF will create a new Customer Account and a Communications Plan allowing both “elster” and “newcastle” APNs to be used
- MDS SIMs already using the “Newcastle” APN will be transferred to the new Customer Account and Communications Plan
- As part of this transfer a Static IP Address will be allocated to each SIM
- Once the transfer process has completed a file of Static IP Addresses and IMSI Values will be passed to MDS
- MDS will update their data model with this additional data.
- This additional data will be used during the Migration process.

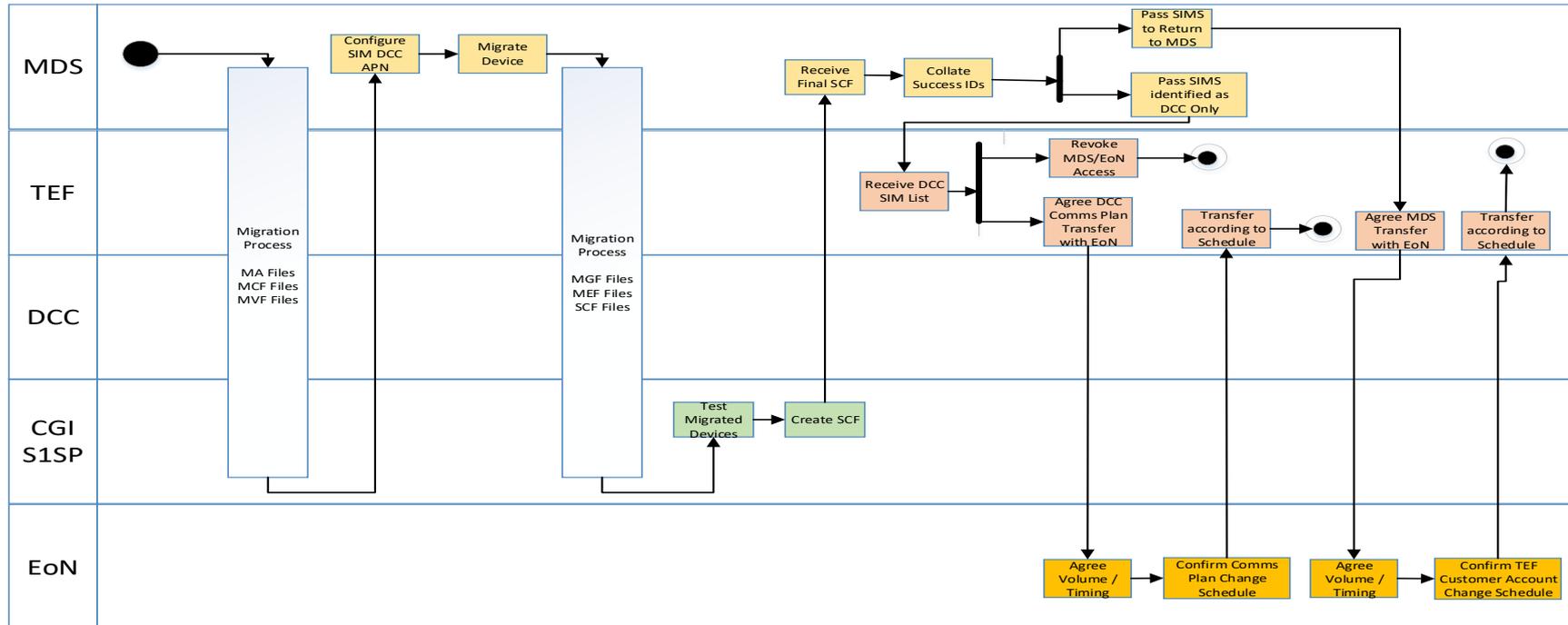
Walk-Through of Changes in v1.4

- **GroupID Specific**

TMAD Ref	Description (Added text in blue; deleted-text-in-red)	
14.14	<p>Post Migration Configuration For GroupID = "CB", the DCC shall ensure that the communications service provider takes all reasonable steps to ensure that the SMETS1 SMSO can no longer communicate with the Commissioned SMETS1 Devices or any associated communications service provider systems.</p>	
	<p>Rationale for change:</p>	<p>Once the Migration process has completed, i.e. all Installations that can be migrated have been migrated, will see a final change to the TEF systems arrangement of the SIMs.</p> <p>Those that have been successfully migrated to the DCC will be transferred to a Communications Plan that only supports the "elster" APN. This effectively removes any access by MDS against these SIMs</p> <p>Similarly those SIMs being retained by MDS will be transferred to an MDS only Customer Account that provides MDS only with the ability to control these SIMS.</p>
	<p>Affected Parties:</p>	<p>MDS as SMSO; Telefonica as CSP; DCC.</p>

Walk-Through of Changes in v1.4

- GroupID Specific



Process overview

- At the conclusion of the Migration Process, MDS acting as SMSO will determine the SIMs that are to remain with MDS and those that have migrated to the DCC.
- A file for each of these two distinct groups of SIMs will be passed to TEF to allow the final transfer of SIMS to either a DCC or an MDS controlled TEF Customer Account/Communications Plan

Walk-Through of Changes in v1.4

- **GroupID Specific**

TMAD Ref	Description (Added text in blue; deleted text in red)	
Appendix A	<u>Device installation – For Group IDs AA, BA, and CA and CB</u>	
	Rationale for change:	Extends Appendix A to cover the GroupID for the MOC MDS cohort. The process for device installation detailed within this Appendix remains unchanged from IOC
	Affected Parties:	MOC MDS cohort: impacts all parties.

4. QUESTIONS



HOW TO RESPOND



consultations@smartdcc.co.uk



16:00 on Friday 06 September 2019



NOTE: Responses may be published – mark confidential aspects clearly – responses may be made available to BEIS & the Authority.

THANK YOU

DCC Public

