

Migration Reporting Regime

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1 Introduction and Context

The TMAD was consulted on in May 2018 (TMAD v.0.1) and October 2018 (TMAD v.0.2). A further version of the TMAD (v0.3) was provided to BEIS for designation into the SEC on 21st December 2018. The TMAD requires that DCC develop and consult on a number of ‘child’ documents (which provide further operational and technical details). DCC has been in discussion with stakeholders on the content of these ‘child’ documents during various workshops with industry. The Migration Authorisation Mechanism was also published for consultation on 21st December 2018. This Migration Reporting Regime forms the second of the child documents (the TMAD ‘child’ document set comprises of the Migration Authorisation Mechanism, Migration Reporting Regime and Migration Scaling Methodology)

It should be noted that this consultation document should be read in conjunction with the TMAD v0.3 (www.smartdcc.co.uk/smart-future/enrolment-and-adoption).

1.1 DCC Migration Reporting Obligations under TMAD

1.1.1 Clause [4.45] of the Transition and Migration Approach Document (TMAD) states:

“The DCC shall make available to the Panel, all Parties and (on request) the Secretary of State the “Migration Reporting Regime” that list the reports that the DCC shall provide on Migration and provides an overview of the frequency, content of and recipients of those reports, [...]”

1.1.2 Clause [4.46] of the Transition and Migration Approach Document (TMAD) states:

“Where a Party considers that the reporting provided for in the Migration Reporting Regime made pursuant to Clause **Error! Reference source not found.** is insufficient, the Party may (within one month of the document being provided under Clause **Error! Reference source not found.**) refer the matter to the Secretary of State for determination, which determination shall be final and binding for the purposes of this TMAD. In the event that such referral is made the new version of the Migration Reporting Methodology published by the DCC shall apply prior to any such determination.”

1.1.3 This document is the Migration Reporting Regime (MRR), required by Clause [4.45] of TMAD. It contains an explanation of how the DCC provides Migration Reporting. The reports that are delivered are included at Appendix A.

2 Objectives of the Migration Reporting Regime

2.1 Reporting Context

- 2.1.1 The processes for the Transition and Migration of SMETS1 Meters are set out in the Transition and Migration Approach Document (TMAD), and in other associated documents.
- 2.1.2 The MRR provides Responsible Suppliers and Distribution Network Operators with regular reports that provide relevant information concerning the progress and outcomes of the migration processes.
- 2.1.3 TMAD defines the data flows between various parties that will take place as part of the Migration process. The following table represents the file exchanges that take place during the process:

File Type	Description	Originating party	Target party
MA (Migration Authorisation)	Provides Supplier's authorisation to migrate SMETS1 Devices to DCC. This file contains a list of MPAN, MPRN, date or date ranges for which migration is authorised and Organisation Certificate Serial Number.	Authorising Party – being either the Responsible Supplier for Active Meters; or the DCC for Dormant Meters.	SMETS1 SMSO (Smart Meter System Operator).

File Type	Description	Originating party	Target party
Migration Authorisation Validation Response	Provides the result of the SMSO's validation of the MA – the SMSO will either accept or reject the MA.	SMSO	Authorising Party
Migration Authorisation Completion Response	Provides information about the success or failure of the Migration authorised by the MA; also provides information about MAs which were not used in the Migration process (e.g. because they expired, or because it was not possible to commence the authorised Migration).	Requesting Party	DCC Reporting Application
Migration Common File	Provides a set of basic data required prior to migrating each SMETS1 Installation, including details of Devices and Device Models	Requesting Party	S1SP (SMETS1 Service Provider)

File Type	Description	Originating party	Target party
Migration Common Validation File	Provides the result of validation checks of SMETS1 Installation and its constituent Devices.	S1SP	Requesting Party
Migration Group File (MGF)	Provides a set of data that is required for WAN communication including CSP APN details for successfully validated installation in MVF	Requesting Party	S1SP
Migration Group Encrypted File	Contains cohort-specific information for the devices in the MGF, including device keys	Requesting Party	S1SP
S1SP Commissioning File	Contains the outcome of the S1SP test activities preparatory to Commissioning	S1SP	Requesting Party
Commissioning Outcome File	Contains the outcome of the commissioning activities (grouped by 'Installation')	Commissioning Party	Requesting Party
S1SP Migration Audit File	Contains audit information	S1SP	DCC reporting application
Commissioning Party Migration Audit File	Contains audit information	Commissioning Party	DCC reporting application

2.1.4 As well as being provided to the respective target parties, each of the listed files is provided as an input to the DCC's Migration Reporting Application.

2.1.5 The Migration Reporting Application also has access to the following master data and reference data:

- (i) Migration Demand Commitments – the schedule of quantities of Installations that the DCC has committed to migrate on each Migration Day;
- (ii) Organisations – the Identifiers, names and other supporting information concerning the SEC Parties and DCC Service Providers involved in the migration, including, where applicable, User IDs [and DCC IDs].

- 2.1.6 The DCC operates a Migration Control Centre (MCC). The purpose of the MCC is to monitor the migration processes, as they happen. Its role includes troubleshooting, liaising with all relevant parties to the migration, and planning and scheduling. Its objective is to allow the migration of SMETS1 Installations to take place efficiently.
- 2.1.7 The MRR defines reports that help stakeholders understand the overall progress of the Migration processes. By contrast, the MCC will use real-time data to manage errors and exceptions as they occur, and to make all stakeholders aware of issues that require their immediate action.

2.2 Reporting Objectives and Scope

- 2.2.1 DCC has developed the Migration Reporting Regime to:
- (i) allow Responsible Suppliers and Distribution Network Operators to track progress and the outcome of SMETS1 Installations and ultimately individual Smart Metering Systems through the Migration processes;
 - (ii) report on failures by Device, Device Model, and Device Model Combinations and by the nature of the failure;
 - (iii) provide summary information of the DCC's overall Migration volumes against its Demand Commitments;
 - (iv) report on the outcome of Migration Authorisations which have failed validation, or which have not been used to authorise a Migration; and
 - (v) provide information in convenient and accessible formats and at a cost that is reasonable and proportionate for both the DCC and its customers.
- 2.2.2 The MRR reports are delivered in addition to the operational data flows defined in TMAD. MRR reports will provide a more holistic view of progress by combining the data in the operation files into single records
- 2.2.3 The scope of the Migration Reporting Regime is defined as:
- (i) the process that commences with a Migration Authorisation, and ends with a Migration Authorisation Completion Response; and
 - (ii) in the case of SMETS1 Installations comprising at least one Dormant Meter and therefore in the absence of a relevant Migration Authorisation, the process that commences with the generation of a Migration Common Record and ends with a Migration Common Validation record.
- 2.2.4 The Migration Reporting Regime provides twice-daily reports to allow parties to understand the events that happened during a reporting period. It is not

intended to be “real-time” or to enable real-time intervention in the Migration processes. As noted above in paragraph 2.1.7, the coordination of such intervention is the responsibility of the MCC.

2.2.5 The following activities are excluded from the scope of the Migration Reporting Regime:

- forecasting;
- capacity and demand management, including scheduling and scaling of Supplier Demand;
- activities preparatory to Migration, including Device Configuration and Firmware Upgrades;
- information about SMETS1 Installations and Devices that have not started the Migration process (i.e., for which a relevant Common Record has not been generated);
- online analytics tools;
- real-time reporting; and
- reports that the DCC will deliver to the Authority, the Secretary of State, or the SEC Panel.

3 Distribution and Content of Migration Reports

3.1 Distribution Mechanism and Frequency

- 3.1.1 Migration Reports are distributed using the DCC's SharePoint site. Each SEC Party is provided with a secure area of the site, from which they can retrieve published reports on demand.
- 3.1.2 Reports will be generated at a frequency specified in Appendix A.
- 3.1.3 Daily summary progress and status reports will relate to the previous Migration Day, or to 23:59:59 on the previous Migration Day.
- 3.1.4 Weekly summary reports will relate to the previous Migration Week.
- 3.1.5 Each individual Migration outcome will be included on a detail report distributed to the relevant Responsible Supplier(s) and Distribution Network Operator. Such reports will be generated four times a day. Each report will include all previously unreported transactions that have been concluded within the period that ended six hours before the report generation time. DCC will use best endeavours to also include previously unreported transactions that have been concluded within the period that ended one hour before the report generation time.
- 3.1.6 Details of the distribution mechanism are included at Appendix B.

3.2 Report Content and Format

- 3.2.1 A set of Migration Reports is defined at Appendix A.
- 3.2.2 All reports are delivered as comma-separated values. Formats and file naming conventions are described at Appendix B.
- 3.2.3 Each report consists of detailed or summary information relating to a specific Responsible Supplier and/or Distribution Network Operator, and which is delivered to those Parties.
- 3.2.4 Any or all reports produced under the Migration Reporting Regime may be made available to the SEC Panel, the Authority or the Secretary of State upon request.

Appendix A : Summary of Migration Reports

The Migration Reporting Regime produces the following reports, which are documented within this Appendix.

1. Detail report: Migrations successfully completed – produced four times a day;
2. Detail report: Migration failures – four times a day;
3. Detail report: Migrations in progress - daily;
4. Summary report: Status of Migrations by Commencement Date - weekly;
5. Summary report: Migrations completed (successes and failures) on the previous Migration Day - daily
6. Detail report: Migration Authorisation outcomes on the previous Migration Day – daily
7. Summary report: Migrations commenced against DCC Commitment – daily
8. Summary report: Validated Migration Authorisations against DCC Commitment – weekly
9. Summary report: Validated Migrations, analysed by Priority Indicator – weekly, at the discretion of the DCC
10. Detail report: Migration Authorisation Validation Responses

A version of each report is distributed to Responsible Suppliers and Distribution Network Operators (DNOs). Each version of each report includes only the information that is directly pertinent to its recipient.

Successful Migrations Completed in the Reporting Period

The Migration of a SMETS1 Installation commences at the time it is included within a valid Migration Group File.

The Migration of a SMETS1 Installation is successfully completed where:

- If the relevant Migration Common File indicates that the Installation is to be Commissioned by the DCC, upon generation of a record in the

Commissioning Outcome File showing that commissioning of the Smart Meter System or Systems has been successful;

- If the relevant Migration Common File indicates that the Installation is not to be Commissioned by the DCC, upon generation of a record in the S1SP Commissioning File showing that the commissioning of the Communications Hub Function (CHF) has been successful.

Frequency	Delivered to	Reporting Period	Trigger
Every 6 hours – e.g. 00:00; 06:00; 12:00; 18:00	Responsible Supplier; Distribution Network Operator	Previous 6 hour period – e.g. 12:00-18:00 (previous day); 18:00-00:00 (previous day); 00:00-06:00; 06:00-12:00	As noted above.

A version of the report will be produced four times a day, and will include all previously unreported Migrations that completed in the period ending six hours before the report run time. The report will also, where possible, include previously unreported Migrations that completed up to one hour before the report run time.

Header record:

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('00')	M	Text	2
Report Identifier (e.g. 'S1MIG-001')	M	Text	9
Report Recipient (Responsible Supplier or DNO) User ID	M	Text	23
Report Sequence Number	M	Integer	

Data element	Mandatory/ Optional	Field Type	Max Length
Report Title	M	Text	100
Report Creation DateTime	M	DateTime	15

Detail record

One detail record is created for each successful Commissioning Outcome File Record where ToBeCommissionedByDCC = true, and for each successful S1SP Commissioning File Record where ToBeCommissionedByDCC = false).

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('10')	M	Text	2
SMSO ID	M	Text	3
Commissioning File DateTime (YYYYMMDDTHHMMSS)	M	DateTime	15
Requesting Party ID	M	Text	23
MCF Counter	M	Integer	
Group ID	M	Text	2
Reporting Party ID (Requesting Party or Commissioning Party)	M	Text	23
Reporting Party Counter	M	Integer	
Installation ID (CHF ID)	M	Text	23

Data element	Mandatory/ Optional	Field Type	Max Length
Split Supplier Installation Indicator	M	Boolean	1
Import MPAN	O	Text	13
Responsible Supplier ID for Import MPAN (or null)	O	Text	23
MPAN Distributor ID (1st two characters of MPAN)	O	Text	2
MPAN Active/Dormant Indicator (or null)	O	Boolean	1
MPRN	O	Text	13
Responsible Supplier ID for MPRN (or null)	O	Text	23
MPRN Active/Dormant Indicator (or null)	O	Boolean	1
ToBeCommissionedByDCC Indicator	M	Boolean	1

Data element	Mandatory/ Optional	Field Type	Max Length
For each of seven Devices (CHF, GPF, ESME, GSME, PPMID, IHD, CAD): GUID Device Manufacturer; Device Model; Device Type; Firmware Version [NB not all Installations will include all types of Device, in which case corresponding fields will be empty]	 O O O O O	 Text Text Text Text Text	 23 30 30 6 8
Migration Completion DateTime	M	DateTime	15

Note that where an Installation is split between two Responsible Suppliers, the report sent to each Supplier will show only that Supplier’s own User ID, and Active/Dormant Indicator. Information concerning Smart Meters authorised against a different Supplier ID will be omitted. The DNO will receive information relating to both Suppliers.

Migration Failures Occurring in the Reporting Period

The Migration of a SMETS1 Installation is unsuccessfully completed where:

- If the relevant Migration Common File indicates that the Installation is to be Commissioned by the DCC, upon generation of a record in the Commissioning Outcome File showing that commissioning of the Smart Meter System or Systems has failed;
- If the relevant Migration Common File indicates that the Installation is not to be Commissioned by the DCC, upon generation of a record in the S1SP Commissioning File showing that the commissioning of the Communications Hub Function (CHF) has failed.

Frequency	Delivered to	Reporting Period	Trigger
Every 6 hours – e.g. 00:00; 06:00; 12:00; 18:00	Responsible Supplier; Distribution Network Operator	Previous 6 hour period – e.g. 12:00-18:00 (previous day); 18:00-00:00 (previous day); 00:00-06:00; 06:00-12:00	As noted above.

For each failed Commissioning Outcome File Record (where ToBeCommissionedByDCC = true), and for each failed S1SP Commissioning File Record (where ToBeCommissionedByDCC = false).

A version of the report will be produced four times a day, and will include all previously unreported Migrations that completed unsuccessfully in the period ending six hours before the report run time. The report will also, where possible, include previously unreported Migrations that completed unsuccessfully up to one hour before the report run time.

Header record:

Data element	Mandatory/Optional	Field Type	Max Length
Record type ('00')	M	Text	2
Report Identifier (e.g. 'S1MIG-002')	M	Text	9
Report Recipient (Responsible Supplier OR DNO) User ID	M	Text	23
Report Sequence Number	M	Integer	
Report Title	M	Text	100

Data element	Mandatory/ Optional	Field Type	Max Length
Report Creation DateTime	M	DateTime	15

Detail record

One record is created for each failed Commissioning Outcome File Record and for each failed S1SP Commissioning File Record.

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('10')	M	Text	2
SMSO ID	M	Text	3
Commissioning File DateTime (YYYYMMDDTHHMMSS)	M	DateTime	15
Requesting Party ID	M	Text	23
MCF Counter	M	Integer	
Group ID	M	Text	2
Reporting Party ID (Requesting Party or Commissioning Party)	M	Text	23
Reporting Party Counter	M	Integer	
Installation ID (CHF ID)	M	Text	23
Split Supplier Installation Indicator	M	Boolean	1
Import MPAN	O	Text	13

Data element	Mandatory/ Optional	Field Type	Max Length
Responsible Supplier ID for Import MPAN (or null)	O	Text	23
MPAN Distributor ID (1 st two characters of MPAN)	O	Text	2
MPAN Active/Dormant Indicator (or null)	O	Boolean	1
MPRN	O	Text	13
Responsible Supplier ID for MPRN (or null)	O	Text	23
MPRN Active/Dormant Indicator (or null)	O	Boolean	1
ToBeCommissionedByDCC Indicator	M	Boolean	1
For each Device (CHF, GPF, ESME, GSME, PPMID, IHD, CAD):			
GUID	O	Text	23
Device Manufacturer;	O	Text	30
Device Model;	O	Text	30
Device Type;	O	Text	6
Firmware Version	O	Text	8
[NB not all Installations will include all types of Device, in which case corresponding fields will be empty]			
Migration Failure DateTime	M	DateTime	15

Note that where an Installation is split between two Responsible Suppliers, the report sent to each Supplier will show only that Supplier's own User ID,

and Active/Dormant Indicator. Information Smart Meters authorised against a different Supplier ID will be omitted.

Error Information

One record is created for each Failed Step in the S1SP Outcome File or Commissioning Party Outcome File. There will be at least one occurrence of Error Information corresponding to each Detail Record.

Data element	Mandatory/Optional	Field Type	Max Length
Record type ('20')	M	Text	2
Failed Step Number	M	Text	TBD
Error Code	M	Text	TBD
Failed Device ID	O	Text	23

In-Process Device Migration Status at Period End

An Installation and its constituent Devices are In-Process if the Migration Group Record has been produced for the Installation, but the Migration has neither successfully completed, nor failed, as defined above. A Detail record is provided for each Installation that is In-Process at the applicable time (23:59:59 UTC on the Previous Day).

Frequency	Delivered to	Reporting Time	Trigger
Daily by 06:00 UTC	Relevant Responsible Supplier and Distribution Network Operator	23:59:59 Previous Migration Day	As noted above.

Header record:

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('00')	M	Text	2
Report Identifier (e.g. 'S1MIG-003')	M	Text	9
Report Recipient (Responsible Supplier OR DNO) User ID	M	Text	23
Report Sequence Number	M	Integer	
Report Title	M	Text	100
Report Creation DateTime	M	DateTime	15
Report Applicable DateTime	M	DateTime	15

Detail record

This report lists all In-Process Installations for the Responsible Supplier, or Distribution Network Operator

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('10')	M	Text	2
SMSO ID	M	Text	3
Commissioning File DateTime (YYYYMMDDTHHMMSS)	M	DateTime	15
Requesting Party ID	M	Text	23
MCF Counter	M	Integer	
Group ID	M	Text	2
Reporting Party ID (Requesting Party or Commissioning Party)	M	Text	23
Reporting Party Counter	M	Integer	
Installation ID (CHF ID)	M	Text	23
Split Supplier Installation Indicator	M	Boolean	1
Import MPAN	O	Text	13
Responsible Supplier ID for Import MPAN (or null)	O	Text	23
MPAN Distributor ID (1st two characters of MPAN)	O	Text	2
MPAN Active/Dormant Indicator (or null)	O	Boolean	1
MPRN	O	Text	13
Responsible Supplier ID for MPRN (or null)	O	Text	23

Data element	Mandatory/ Optional	Field Type	Max Length
MPRN Active/Dormant Indicator (or null)	O	Boolean	1
ToBeCommissionedByDCC Indicator	M	Boolean	1
For each Device (CHF, GPF, ESME, GSME, PPMID, IHD, CAD): GUID Device Manufacturer; Device Model; Device Type; Firmware Version [NB not all Installations will include all types of Device, in which case corresponding fields will be empty]	O O O O O	Text Text Text Text Text	23 30 30 6 8
Installation Migration Status	M	Text	TBD
Last Status Change DateTime	M	DateTime	15

Summary of Migrations by Commencement Date

The report summarises the outcomes of all Migrations commenced within the twenty-eight days prior to the date of the Reporting Time. A Migration is considered to have commenced when the Migration Group File for the Installation is received.

Note that a Migration may be attempted several times for the same Installation, and thus the total numbers reported here may be greater than the total number of Installations eligible to be migrated.

Frequency	Delivered to	Reporting Time	Trigger
Weekly (Monday)	Relevant Responsible Supplier	23:59:59 Previous Migration Day	Time based.

Header record:

Data element	Mandatory/Optional	Field Type	Max Length
Record type ('00')	M	Text	2
Report Identifier (e.g. 'S1MIG-004')	M	Text	9
Report Recipient (Responsible Supplier) User ID	M	Text	23
Report Sequence Number	M	Integer	
Report Title	M	Text	100
Report Creation DateTime	M	DateTime	15
Report Applicable End DateTime	M	DateTime	15

Detail record

A Detail record is supplied for each combination of Supplier, DNO and Group ID for each Migration Day within the previous 28 days on which one

or more Migrations were commenced for the Supplier for whom the report is produced.

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('10')	M	Text	2
Responsible Supplier User ID	M	Text	23
MPAN Distributor ID	M	Text	2
Group ID	M	Text	2
Migration Commencement Date	M	Date	8
Quantity of Migrations Commenced	M	Integer	
Quantity of Migrations Successfully Completed	M	Integer	
Quantity of Failed Migrations	M	Integer	
Quantity of Migrations in Progress	M	Integer	
Average Duration of Successfully Completed Migrations in Minutes (if Quantity of Successful Migrations > 0)	O	Integer	
Average Duration of Failed Migrations in Minutes (if Quantity of Failed Migrations > 0)	O	Integer	

Data element	Mandatory/ Optional	Field Type	Max Length
Maximum Duration of Longest Successfully Completed Migration in Minutes (if Quantity of Successful Migrations > 0)	O	Integer	
Maximum Duration of Longest Failed Migration in Seconds (if Quantity of Failed Migrations > 0)	O	Integer	
Quantity of Migrations representing 1st Attempt	M	Integer	
Quantity of Migrations representing 2nd Attempt	M	Integer	
Quantity of Migrations representing 3rd Attempt	M	Integer	
Quantity of Migrations representing more than 3 Attempts	M	Integer	

Summary of Migrations Completed on the Previous Day

The report summarises the status and events pertaining to all Migrations on the day immediately before Reporting Time, irrespective of the original date on which the Migration was commenced. The report is thus a summary of in-day activity.

Note that a Migration can start several times for the same Installation, and thus the total numbers reported here may be greater than the total number of Installations eligible to be migrated.

This report counts Installations; Installations which are supplied by two Responsible Suppliers may be reported twice – once against each Responsible Supplier.

Frequency	Delivered to	Reporting Time	Trigger
Daily	Relevant Responsible Supplier	23:59:59 Previous Migration Day	Time based.

Header record:

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('00')	M	Text	2
Report Identifier (e.g. 'S1MIG-005')	M	Text	9
Report Recipient (Responsible Supplier) User ID	M	Text	23
Report Sequence Number	M	Integer	
Report Title	M	Text	100
Report Creation DateTime	M	DateTime	15
Report Applicable Date	M	Date	8

Detail record

A Detail record is supplied for each combination of Responsible Supplier and DNO for which Migration Activity took place.

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('10')	M	Text	2
Responsible Supplier User ID	M	Text	23
MPAN Distributor ID	M	Text	2
Group ID	M	Text	2
Quantity of Migrations Commenced	M	Integer	
Quantity of Migrations Successfully Completed	M	Integer	
Quantity of Failed Migrations	M	Integer	
Quantity of Migrations in Progress	M	Integer	

Migration Authorisation Outcomes for the Previous Migration Day

This report shows the previously unreported outcome of each Migration Authorisation for which processing was completed (successfully or unsuccessfully) on or prior to the previous Migration Day.

Frequency	Delivered to	Reporting Period	Trigger
Daily 06:00	Relevant Responsible Supplier	Previous Migration Day	Time based.

Header record:

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('00')	M	Text	2
Report Identifier (e.g. 'S1MIG-006')	M	Text	9
Report Recipient (Responsible Supplier) User ID	M	Text	23
Report Sequence Number	M	Integer	
Report Title	M	Text	100
Report Creation DateTime	M	DateTime	15
Report Applicable Date	M	Date	8

Detail Record

One record is created for Migration Authorisation for which processing was completed on the previous Migration Day.

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('10')	M	Text	2
Responsible Supplier ID	M	Text	23
Migration Authorisation File ID	M	Text	30
Import MPAN	O	Text	23

Data element	Mandatory/ Optional	Field Type	Max Length
MPRN	O	Text	23
Migrate On Date	O	Date	8
Migration Week Start Date	M	Date	8
Includes Dormant Status	M	Boolean	1
Validation Response Date	M	Date	8
Validation Reason Code	M	Text	TBD
Completion Date	O	Date	8
Completion Status	O	Text	TBD
Completion Reason Code	O	Text	TBD
Migration Common File Reference	O	Text	40
For each Device (CHF, GPF, ESME, GSME, PPMID, IHD, CAD): GUID Device Manufacturer; Device Model; Device Type; Firmware Version [NB not all Installations will include all types of Device, in which case corresponding fields will be empty]	 O O O O O	 Text Text Text Text Text	 23 30 30 6 8

Note that fields may be empty depending on when processing of the Migration Authorisation and the corresponding Migration ceased. Where

Migration Authorisations fail initial Validation or where they expire, no Migration Common File will be created, and therefore no Device IDs will be recorded against the Migration Authorisation..

Summary of Active Meter Migrations against Installation Commitment

This report shows how many Migrations of Installations with one or more Active Meters were commenced, compared to the DCC's Migration Commitment to for each Responsible Supplier.

A Migration is commenced when its corresponding Migration Group Record is created.

Frequency	Delivered to	Reporting Period	Trigger
Weekly	Relevant Responsible Supplier	Previous Migration Day	Time based.

Header record:

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('00')	M	Text	2
Report Identifier (e.g. 'S1MIG-007')	M	Text	9
Report Recipient (Responsible Supplier) User ID	M	Text	23
Report Sequence Number	M	Integer	
Report Title	M	Text	100

Data element	Mandatory/ Optional	Field Type	Max Length
Report Creation DateTime	M	DateTime	15
Report Applicable Date	M	Date	8

Detail Record

One record is created for each day on which either the DCC had

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('10')	M	Text	2
Responsible Supplier ID	M	Text	23
Migration Commencement Date	M	Date	8
DCC Migration Commencement Commitment Quantity	M	Integer	
Quantity of Migrations of Active Installations Commenced	M	Integer	

Summary of Migration Authorisations Received vs DCC Migration Commitment

The purpose of this report is to ensure that the Energy Supplier has provided sufficient valid Migration Authorisations to enable the DCC to meet its committed volume of Migrations.

Frequency	Delivered to	Reporting Time	Trigger
Weekly- 06:00 Monday	Relevant Responsible Supplier	Previous Migration Four Migration Weeks	Time based.

Header record:

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('00')	M	Text	2
Report Identifier (e.g. 'S1MIG-008')	M	Text	9
Report Recipient (Responsible Supplier) User ID	M	Text	23
Report Sequence Number	M	Integer	
Report Title	M	Text	100
Report Creation DateTime	M	DateTime	15
Report Applicable Date Commencing (Monday)	M	Date	8

Detail record

A record is present for each Group ID against which the DCC

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('10')	M	Text	2
Responsible Supplier User ID	M	Text	23
DCC Migration Week Commitment Quantity	M	Integer	
Quantity of Migration Authorisations Received for Week	M	Integer	
Quantity of Migration Authorisations Successfully Validated for Week	M	Integer	
Quantity of Migration Authorisations Failing Validation for Week	M	Integer	

Summary of Validated Migration Authorisations Analyses by Priority Indicator

The purpose of this report is to provide an analysis of Responsible Suppliers' use of the Priority Indicator on Migration Authorisations. The reports shows the recipient's use of the Indicator against use by other Suppliers. In order to preserve anonymity, the identity of the other Suppliers is not provided.

Frequency	Delivered to	Reporting Time	Trigger
Weekly- 06:00 Monday	Relevant Responsible Supplier	Previous Migration Week	Time based.

Header record:

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('00')	M	Text	2
Report Identifier (e.g. 'S1MIG-009')	M	Text	9
Report Recipient (Responsible Supplier) User ID	M	Text	23
Report Sequence Number	M	Integer	
Report Title	M	Text	100
Report Creation DateTime	M	DateTime	15
Report Applicable Date Commencing (Monday)	M	Date	8
FOR THE REPORT RECIPIENT			
Total Quantity of Active Migration Authorisations Successfully Validated	M	Integer	
Quantity of Active Migration Authorisations with Priority Indicator set to 'true'	M	Integer	
Total Quantity of Dormant Migration Authorisations Processed	M	Integer	
Quantity of Dormant Migration Authorisations with Priority Indicator set to 'true'	M	Integer	

Data element	Mandatory/ Optional	Field Type	Max Length
Percentage of Active Migration Authorisations with Priority Indicator set to 'true'	O	Integer (rounded)	3
Percentage of Dormant Migration Authorisations with Priority Indicator set to 'true'	O	Integer (rounded)	3
Percentage of All Migration Authorisations with Priority Indicator set to 'true'	M	Integer (rounded)	3

Percentages are not calculated where the relevant divisor is zero.

Detail record

A record is present for each Responsible Supplier (other than the Recipient of the Report) who has sent successfully validated Migrations Authorisations in the Reporting Period. The Supplier User ID is not provided in this report, and is substituted with an ordinal. The records are present in order, with the Supplier User ID for the highest number of Migration Authorisations being presented first.

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('10')	M	Text	2
Responsible Supplier Ordinal	M	Integer	3
Total Quantity of Active Migration Authorisations Successfully Validated	M	Integer	

Data element	Mandatory/ Optional	Field Type	Max Length
Quantity of Active Migration Authorisations with Priority Indicator set to 'true'	M	Integer	
Total Quantity of Dormant Migration Authorisations Processed	M	Integer	
Quantity of Dormant Migration Authorisations with Priority Indicator set to 'true'	M	Integer	
Percentage of Active Migration Authorisations with Priority Indicator set to 'true'	O	Integer (rounded)	3
Percentage of Dormant Migration Authorisations with Priority Indicator set to 'true'	O	Integer (rounded)	3
Percentage of All Migration Authorisations with Priority Indicator set to 'true'	M	Integer (rounded)	3

Migration Authorisation Validation Responses in the Reporting Period

This report produces a detail record in response to each Migration Authorisation sent by the Responsible Supplier.

- This report is primarily produced in order to notify the Responsible Supplier who has sent a Migration Authorisation in respect of an Active Meter that the SMETS1 Installation in question also includes a

Dormant Meter. This notification process is described in Clause 4.37 of the Transition and Migration Approach Document (TMAD).

Frequency	Delivered to	Reporting Period	Trigger
Weekly – every Thursday	Responsible Supplier	All Migration Authorisations that have been validated and authorise a Migration in the following Migration Week	Validation of Migration Authorisation

A version of the report will be produced weekly, and will include responses to:

- all Migration Authorisations that authorise a Migration in the following Migration Week, and:
- all previously unreported Migration Authorisations that authorise a Migration in the current Migration Week or prior Migration Weeks.

Note that that the latter class of Migration Authorisations will have been received too late for processing and this report will therefore record the fact that the Migration Authorisation is not valid for processing

Header record:

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('00')	M	Text	2
Report Identifier (e.g. 'S1MIG-010')	M	Text	9
Report Recipient (Responsible Supplier) User ID	M	Text	23

Data element	Mandatory/ Optional	Field Type	Max Length
Report Sequence Number	M	Integer	
Report Title	M	Text	100
Report Creation DateTime	M	DateTime	15

Detail record

One detail record is created for each successful Migration Authorisation validated (successfully or unsuccessfully) by the DCC.

Data element	Mandatory/ Optional	Field Type	Max Length
Record type ('10')	M	Text	2
Import MPAN	O	Text	13
MPRN	O	Text	13
Migrate on	O	Date	8
Migration Week	M	Date	8
Installation Includes Dormant Meter Indicator	M	Boolean	1
Reason Code	O	Text	5
Comments	O	Text	

Note that where an Installation is split between two Responsible Suppliers, the report sent to each Supplier will show only that Supplier's own MPxN. The only information regarding the 'other' Meter included in the Installation is the data item called "Installation Includes Dormant Meter Indicator".

Appendix B Report Distribution Mechanism

SMETS1 Migration Reports will be distributed as CSV Files via DCC's SharePoint site, providing named user reports into each participating Energy Supplier and Distribution Network Operator's Party folder, as identified by SEC Party Signifier and SECAS Party Name.

Reports will be contained within files named using the following scheme:

<ReportID>_<23 character User ID>_<Report Sequence Number>_<Report DateTime>

Where Report ID is the value documented in the Report Header definition, above.

The User ID is the User ID of the Responsible Supplier or DNO in respect of which the report is generated.

The Report Sequence number is ordinal, which is set at '000001' for the report generated in respect of the Report ID and User ID combination, and is then incremented by 1 for each successive version of such report.

The Report DateTime is the UTC Date and Time corresponding to the time when the report was generated.

An example of a report filename is:

S1MIG-07_70-B3-D5-1F-30-00-A0-01_000010_20190501T0600.csv