MHHS PROGRAMME

Industry-led, Elexon facilitated

SIT Migration Testing and Data Approach Guidance

Version 1.0

MHHS-DEL2497

SIT Migration Testing will include the following Central Services:

- Data Transfer Service (DTS)
- Elexon Central Settlement (Including ISD, VAS, MDS and LLS)
- Central Switching Service (CSS)
- Data Service Provider (DSP)
- Electricity Enquiry Service (EES)
- Data Integration Provider (DIP)

Migration Testing will occur in the SITA test environment

The following Industry Roles will also be under test:

- BUUK and SSEN providing the roles LDSO, REGS and UMSO
- Supplier
- Advanced Data Service
- Smart Data Service
- Unmetered Data Service
- Metering Service Advanced
- Metering Service Smart

The end-to-end migration business processes also require interfaces to be sent from or to following roles:

- NHHDC
- NHHDA
- HHDC
- HHDA
- MOP
- MA
- Supplier (acting as a Legacy Supplier which is not MHHS qualified)

These roles are not part of the formal test scope.

Interactions between roles under test and the roles above will need to be ‘stubbed’ by test participants, with the exception of the MOP role for forward migration, which will utilise SIT participant Metering Service applications to generate MTDs (via the DTS or via other agreed means, e.g. a conversion from Legacy to MHHS state within their applications).

The CIDC MPID (a test MPID owned by RECCo) will be utilised for the “stubbed roles”

Forward Migration:

MPAN Set Up Prior to Start of Migration Testing

MPANs will be prepared for testing, as per SIT functional, data will be aligned across test participants environments. Supplier registrations, Agent Appointments and other data (such as Connection Type) will be augmented for MPANs which exist in the data cut taken on the 19th August 2023.

Data will be augmented for MPANs for the following reasons:

1) To align Supplier Registration and Agent appointments to the 8 Cohort model (the Cohorts utilised for Migration testing will be the same as those used for the other SIT Functional test activity).
2) For data that was not present in the data cut (e.g. EMSE ID and Connection Type) data will be created by the programme and provided within the augmented data set.

Registrations and Appointments

A similar methodology will be utilised as per SITF, 8 “buckets” of data will be created supporting the 8 Cohorts, the 4 paired Cohorts and the 3 UMS cohorts. Each “bucket” will follow the same structure for Registrations and Appointments:

Bucket “A” example:

- Supplier Registration = [*Cohort A Supplier*] MPID
- MOP Appointment = [*Cohort A MSS or MSA*]* MPID
- (HH/NHH) DC Appointment = CIDC MPID
- (HH/NHH) DA Appointment = CIDC MPID
- MA Appointment = CIDC MPID

*One Cohort will follow a different model as the MS in this Cohort cannot support loading data as a MOP, in this case that Cohorts related bucket will be set up utilising the MOP MPID from the its paired Cohort.

Reverse Migration:

- No additional MPANs will be the created for reverse migration. MPANs previously utilised for forward migration will be used.
- Reverse migrations will be “switched” to a ”test stub” Supplier MPID, CIDC. The relevant agent appointments will also utilise the same MPID.
- The CIDC MPID currently exists in MDD, as a test MPID operated by RECCo (see production MDD table example). RECCo operate a DTS gateway, which will allow test participants to generate messages to this gateway. (Noting that any messages sent from this MPID, within test cases, will not be sent over the DTS and will be stubbed by test participants).

Within production MDD the CIDC MPID does not have an associated Role Code “X” for Supplier. The following data population actions are required by test participants:

a) **Elexon:** Update ISD record(s) to include the CIDC MPID in the Supplier Role (but as a MHHS unqualified Supplier).
b) **Electralink:** Update the DTS to include the CIDC MPID in the Supplier Role, to support flow routing.
c) **Suppliers and Agents:** Update MDD reference data they utilise to include the CIDC MPID in the Supplier Role.
d) **CSS/DSP:** Update MDD reference data they utilise to include the CIDC MPID in the Supplier Role. Configure interfaces so that CSS can utilise a test stub to send Switch Request on behalf of that Market Participant Role.
e) **RECCo:** Update DTS Gateway to support messages being received by the CIDC MPID acting in the Supplier role.

Market Participant ID	Market Participant Role Code	Effective From Date (MPR)	Effective To Date (MPR)	Address 1	Address 2	Address 3	Address 4	Address 5	Address 6	Address 7	Address 8	Address 9	Post Code	Distributor Short Code
CIDC	3	14/12/2011		Retail Energy Code Company Limited	130 Old Street	London							EC1V 9BD	
CIDC	6	14/12/2011		Retail Energy Code Company Limited	130 Old Street	London							EC1V 9BD	
CIDC	8	14/12/2011		Retail Energy Code Company Limited	130 Old Street	London							EC1V 9BD	
CIDC	A	14/12/2011		Retail Energy Code Company Limited	130 Old Street	London							EC1V 9BD	
CIDC	B	14/12/2011		Retail Energy Code Company Limited	130 Old Street	London							EC1V 9BD	
CIDC	C	14/12/2011		Retail Energy Code Company Limited	130 Old Street	London							EC1V 9BD	
CIDC	D	14/12/2011		Retail Energy Code Company Limited	130 Old Street	London							EC1V 9BD	
CIDC	J	14/12/2011		Retail Energy Code Company Limited	130 Old Street	London							EC1V 9BD	
CIDC	L	14/12/2011		Retail Energy Code Company Limited	130 Old Street	London							EC1V 9BD	
CIDC	M	14/12/2011		Retail Energy Code Company Limited	130 Old Street	London							EC1V 9BD	
CIDC	P	14/12/2011		Retail Energy Code Company Limited	130 Old Street	London							EC1V 9BD	
CIDC	R	14/12/2011		Retail Energy Code Company Limited	130 Old Street	London							EC1V 9BD	99
CIDC	V	14/12/2011		Retail Energy Code Company Limited	130 Old Street	London							EC1V 9BD	
CIDC	W	14/12/2011		Retail Energy Code Company Limited	130 Old Street	London							EC1V 9BD	
CIDC	Z	15/10/2014		Retail Energy Code Company Limited	130 Old Street	London							EC1V 9BD	

MPRS:
Data will be provided in .CSV file format and the following industry message formats: DB02, DB05, CSS2860, D0205, D0312.

Supplier:
Data will be provided in .CSV file format.

MOP (aligned to Metering Service):
Data will be provided in .CSV file format.*

CSS/DSP:
Data will be provided in .CSV file format.

LDSO/UMSO:
Data will be provided in .CSV file format and the following industry message formats: DB02, DB05, CSS2860, D0205, D0312.

DIP:
No data load required.

Elexon:
No data load required.

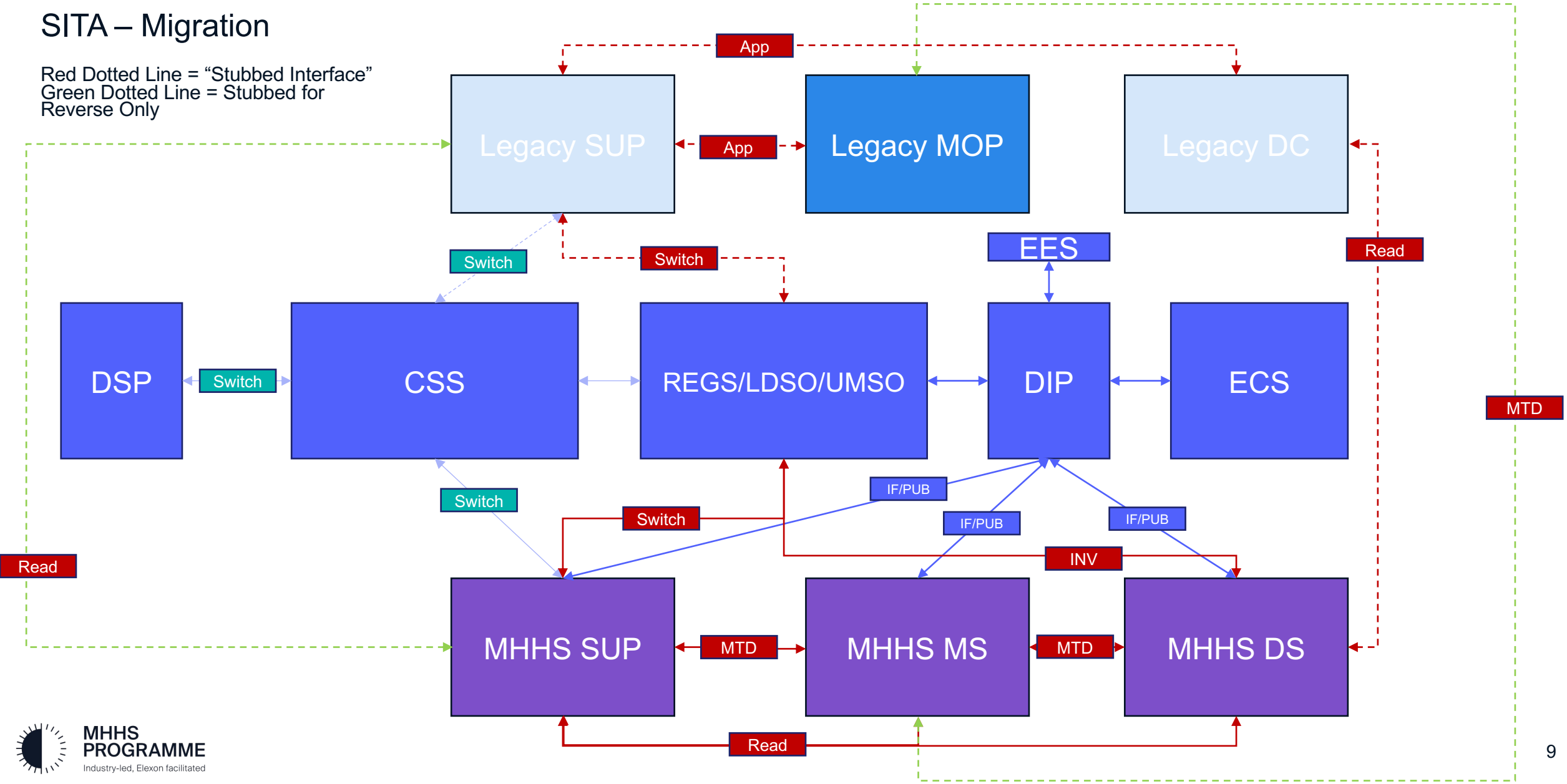
Data Service:
No data load required.

*One MOP/Metering Service will not load data as they cannot support MOP functionality

- Migration Testing will occur in the SITA environment so all messages will utilise the “TR03” test flag.
- Test Participants should configure their DTS Gateways to support the sending and receipt of the DTS messages in scope of testing, from and to the roles and MPIDs in scope. See previous slides regarding CIDC MPID and the MPIDs of participants within their Cohort and paired Cohort.
- The IR7.2 release of DTS dataflows will be implemented by ElectaLink into the production DTS on the 13th May.
- The related Microsoft Access database will be available within the EMAR on this date also.

SITA – Migration

Red Dotted Line = “Stubbed Interface”
Green Dotted Line = Stubbed for Reverse Only



Meter Reads

MHHS Supplier to Legacy Supplier (reverse migration):
In all instances the Legacy Supplier will utilise the MPID “CIDC”, Role Code “X”. Test parties will generate a D0010 to this Market Participant Role and send via the DTS.

Legacy Supplier to MHHS Supplier (reverse migration):
In all instances the Supplier test participant will be required to create a D0010, so that it can be ingested into their application(s) as if it had come via the DTS from the “CIDC”, Role Code “X”, Supplier Market Participant Role.

NHHDC to MHHS Supplier (forward migration):
In all instances the Supplier test participant will be required to create a D0010/D0086/D0019 (depending on a CoS or CoA scenario), so that it can be ingested into their application(s) as if it had come via the DTS from the “CIDC”, Role Code “D”, Market Participant Role.

MHHS Supplier to NHHDC (forward migration):
In all instances the Legacy Supplier will utilise the MPID “CIDC”, Role Code “X”. Test parties will generate D0010’s to this Market Participant Role and send via the DTS.

HHDC to Advanced Data Service (forward migration):
In all instances the Advanced Data Service test participant will be required to create a D0036, so that it can be ingested into their application(s) as if it had come via the DTS from the “CIDC”, Role Code “C”, Market Participant Role.

Meter Technical Details

Metering Service to MOP (reverse migration):

In all instances the Legacy MOP will utilise the MPID “CIDC”, Role Code “M”. Test parties will generate a D0268/D0150/D0149 (as appropriate for the Meter Type/Market Segment) to this Market Participant Role and send via the DTS.

Switching

Legacy Supplier to CSS (reverse migration):

In all instances the Legacy Supplier will utilise the MPID “CIDC”, Role Code “X”. The DCC will generate Switching messages from this Market Participant Role to the CSS.

Registration Service to Legacy Supplier (reverse migration):

In all instances the Legacy Supplier will utilise the MPID “CIDC”, Role Code “X”. Test parties will generate D0217/D0268 messages to this Market Participant Role and send via the DTS.

Legacy Supplier (reverse migration):

For a number of tests, the test co-ordinators will request St Clements to stub the sending of a D0205 from the Legacy Supplier, MPID “CIDC”, Role Code “X” Market Participant Role.

Data Set Up					
HH Advanced	**NHH Advanced**	**NHH Trad**	**Unmetered**	**HH Smart**	**NHH Smart**
MC = C, E, G Meter Type = Advanced	MC = A Meter Type = Advanced	MC = A Meter Type = Trad	MC = D Meter Type = N/A	MC = F,G Meter Type = Smart	MC = A Meter Type = Smart

Each Cohort will be provided data which is proportioned to support the following MPAN attributes:

- Unmetered 5% (but only 3 cohorts)
- NHH Advanced Single 10%
- NHH Advanced Related 5%
- NHH Advanced Export 5% - in this scenario the export would be HH but import NHH
- HH Advanced Single 10%
- HH Advanced Related 5%
- HH Advanced Export 5%
- NHH Trad Single 10%
- NHH Trad Related 5%
- NHH Smart Single 10%
- NHH Smart Related 5%
- NHH Smart Export 5% - in this scenario the export would be HH
- HH Smart Single 10%
- HH Smart Export 5%
- No MTDs 5% (but split across NHH Trad, HH/NHH Advanced, HH/NHH Smart)

Each MPAN will be created with the following Registrations and Appointments:

Cohort	DC/DA	DA	MOP	Legacy SUP
Cohort A	CIDC	CIDC	Cohort A MS	Cohort A SUP
Cohort B	CIDC	CIDC	Cohort B MS	Cohort B SUP
Cohort C	Cohort C DA, DC	Cohort C DA, DC	Cohort C MS	Cohort C SUP
Cohort E	CIDC	CIDC	Cohort E MS	Cohort E SUP
Cohort F	CIDC	CIDC	Cohort J MS	Cohort F SUP
Cohort G	CIDC	CIDC	Cohort G MS	Cohort G SUP
Cohort H	CIDC	CIDC	Cohort H MS	Cohort H SUP
Cohort J	CIDC	CIDC	Cohort J MS	Cohort J SUP

For any further information or guidance please email the testing mailbox.