MHHS Testing and Migration Advisory Group (TMAG) Minutes and Actions

Issue date: 23/11/2023

Meeting number	**TMAG 029**	Venue	**Virtual – MS Teams**
Date and time	**20 November 2023 1400-1600**	Classification	**Public**

Attendees

Chair

Chris Welby (CW)   SRO SME

Industry Representatives

Ian Hatton (IH)	DNO Representative
Jonny Moore (JM)	Retail Energy Code (REC) Representative
Lee Northall (LN)	Large Supplier Representative
Naomi Walker (NW)	E.ON Next Representative
Nickie Bernsmeier-Rullow (NBR)	DCC Representative
Riccardo Lampini (RL)	Elexon Representative
Richard Marriott (RM)	National Grid ESO Representative
Sandeep Vuppalanchi (SV)	Medium Supplier Representative
Shelby Gillespie (SG)	Supplier Agent Representative *(covering for Ian Hall)*
Shaun Brundett (SBr)	I&C Supplier Representative
Stacey Buck (SBu)	iDNO Representative

MHHS IM Members

Adrian Ackroyd	Test Manager
Adrian Page (AP)	SI Lead
Cesar Lopes (CS)	Data Lead
Chris Holden (CH)	Programme Planner
Dominic Mooney (DM)	SIT Delivery Manager
Jason Brogden (JBr)	Industry SME
John Wiggins (JW)	Migration lead
Keith Clark (KC)	Programme Manager
Kevin Davis (KD)	Testing Architect
Kiran Raj (KR)	SRO Test Lead
Lee Cox (LC)	Test Management Lead
Matthew Breen (MB)	Migration Analyst
Mayur Depala (MD)	SIT Delivery Lead
Navdeep Seira (NS)	PMO Governance Support
Nicola Farley	SRO
Sean Tuffy (ST)	Migration Analyst
Simon Berry (SBe)	Environments Lead
Smitha Pichrikat (SP)	MHHS Client Delivery Manager
Warren Fulton	Design Project Manager

Other Attendees

Andy MacFaul (AMF)	Ofgem
Bhoopal Bereddy (BB)	IPA
George Player (GP)	Elexon Qualification Lead
Jenny Boothe (JBo)	Ofgem
Johanna Manning	BUUK
Rhiannon Harrison (RH)	IPA
Sinead Quinn (SQ)	Ofgem

Actions

Area	Ref	Action	Owner	Due	Update
TMAG Restructure	TMAG28-01	Programme to ensure appeals process is updated for the decisions made at the Testing, Migration and Qualifications Advisory Groups.	Programme (PMO)	20/12/23	
	TMAG28-02	Programme to identify ownership of milestones which Advisory Group they sit within.	Programme (PMO)	20/12/23	
	TMAG29-03	Programme to define which group (Qualification Advisory Group or SIT Advisory Group) SIT participants will sit.	Programme	20/12/23	
Actions from previous meeting(s)	TMAG22-01	Programme to update TMAG members on the status around the remove of role seniority criteria in the Code of Connection document.	Programme (Adrian Page)	20/09/23	Ongoing: There are queries regarding the contents of the CoCo. There may be further changes to the CoCo post discussion at SDWG.
	TMAG26-01	Programme to share the cut off dates for when Programme Participants can respond to the SIT Functional Test Scenarios & Test Cases.	Programme (Lee Cox)	15/11/23	Ongoing: At DAG, the SRO approved minor updates to the Interface Code of Connections (CoCo) following review by the Security Design Working Group SDWG. The updated CoCo will be published to the MHHS website and Programme Collaboration Base and notice issued in the

					Programme newsletter, The Clock.

Decisions

Area	Ref	Description
Minutes and Actions	TMAG-DEC56	Approval of Headline Report from the meeting 23 October 2023 and 30 October 2023.
Migration Threshold document	TMAG-DEC57	Approval of Migration Threshold document.
T2 Readiness Assessment for CIT Interval 3	TMAG-DEC58	Approval of the T2 Readiness Assessment for CIT Interval 3
Environments Approach and Plan (SIT Functional)	TMAG-DEC59	Approval of the Environments Approach and Plan (SIT Functional) v2.9
3 Month Milestone Look Ahead & Milestone Changes	TMAG-DEC60	Approval of the Milestone changes

Minutes

1.   Welcome

The Chair welcomed all to the meeting and ran over the meeting agenda.

2.   Minutes and Actions

The Chair approved the minutes of the previous TMAG. No questions raised.

DECISION TMAG-DEC56: Approval of Headline Report from the meeting 23 October 2023 and 30 October 2023.

The Programme noted comments against the following action:

- **ACTION TMAG22-01:** AP shared that There are queries regarding the contents of the CoCo. There may be further changes to the CoCo post discussion at SDWG.

3.   Governance

The Chair discussed the new approach to approvals in TMAG. At the end of SIT Integration Testing, there is a Tier 2 Milestone which TMAG is required to approve. This is followed by a Tier 3 Milestone which is to start the next Interval of SIT Testing. Both come with a recommendation from FTIG. The approach is TMAG will continue to approve Tier 2 Milestones (e.g., preparation is complete). For Tier 3 Milestones, The Programme will notify participants (e.g., the start of the next phase of testing) and it will be at the participants discretion to raise an objection by email. The Chair asked if there were any objections, there were none.

NW, the E.ON Next Representative, clarified the new process of what TMAG will approve in meeting, and what will be sent by email.

4. TMAG restructure

The Chair proposed the TMAG restructure. TMAG currently covers Testing, Migration and Qualification, with eight Working Groups (WGs) feeding into it. These are three large areas of work between now and M10. A Change Request (CR) has been put out to split TMAG into three Advisory Groups (AGs):

- SIT Advisory Group (SITAG) – Focused on SIT Testing with DWG, EWG, SITWG, NFTWG under it. It would also work closely with FTIG. This will be chaired by The Programme. This will be constituted as TMAG is now, but with testing representation only

- Migration and Cutover Advisory Group MCAG - Focused on delivering Migration and cutover and review of Working Groups, would oversee DCWG & Transition WG. This will be chaired by The Programme. Review of constituencies required; a proposal has been put into the CR for constituencies of migration to have two supplier representatives for domestic and I&C (like CCAG). This is out for an impact assessment and participants should respond if they would prefer a different constituency make up.

- Qualification Advisory Group (QAG) - Focused on delivery of Qualification with a LDSO WG, and First Qualification Tranche Working group. The Chair to be agreed (Once the way forward has been agreed), will need to work with BSC & REC PABs. Constituency of relevant code bodies and constituency reps from parties who need to qualify (supplier, agents, LDSOs).

  Under the QAG there is the proposal for two new WGs:

  - LDSO WG, to focus on non-SIT LDSO Qualification

  - First Tranche WG, which will include participants in the first Tranche for Qualification. This may be followed up with a second, third etc. qualification tranche WG.

LN, the Large Supplier Representative, queried that there is only one month between the Tranches, and there may be a better solution. The Chair responded that the idea is for constituent representatives to attend and to discuss with their constituents irrespective of what Tranche they are in. The group could be renamed. LN will include the feedback in the CR.

As per the slide, The Chair showed a diagram of the governance restructure.

The Chair proposed key questions of the changes to TMAG, and emphasised the best course for participants to take is to respond to the CR with the Impact Assessment. The responses will be assessed, and any changes will be made before presenting this to PSG in December for formal approval.

JBo queried the appeals process in the new groups. An appealed decision would go to the IPA as the Chair of the AGs is acting on behalf of SRO.

ACTION TMAG28-01: Programme to ensure appeals process is updated for the decisions made at the Testing, Migration and Qualifications Advisory Groups.

NW, the E.ON Next Representative, queried the rationale for the reduction in supplier representation for the Migration and Cutover Advisory Group (MCAG). The Chair responded that the rationale is to reduce the number of people needing to act as representatives, which has worked for CCAG. It is at the Supplier's discretion if they would want to continue with large, small, medium and I&C or whether they would prefer two representatives (like CCAG) which would be domestic and non-domestic. There would also be an LDSO representative instead of DNO and iDNO representatives. This is only for MCAG, as The Programme believes Suppliers would prefer to stay with the large, medium and small representation for Qualification.

NW also raised that the cadence of the proposed meetings would need to ensure there are no clashes, as some participants may be in more than one meeting. The Chair replied that this is something being looked at, and The Programme is mindful of participants in more than one meeting.

JM, the Retail Energy Code (REC) Representative, raised that CR35 covers the change or the appeals process. JM asked which TMAG Milestones would belong to which of the three new AGs.

ACTION TMAG28-02: Programme to identify ownership of milestones which Advisory Group they sit within.

NBR, the DCC Representative, clarified that the proposed change meant instead of one monthly TMAG meeting, there would be three AG meetings in its place. The Chair replied that this is correct, and this will cut down on the number of extraordinary meetings.

NW asked where qualification for SIT participants be, in the SITAG or the QAG.

ACTION TMAG28-03: Programme to define which group (Qualification Advisory Group or SIT Advisory Group) SIT participants will sit.

NBR queried in terms of making decisions on the proposed split and current documentation that is out for review, what would the timelines be for this to come into effect. The Chair responded that the proposed change will be presented to PSG in December for approval, with the goal to start the new AGs in January. The Programme will need to recruit people to sit in the three AGs, a situation may arise where the Groups are not running by January, this would be due to Christmas. Documents will be updated to specify which AG they belong to.

5.   Migration Thresholds and Migration Profile Document

MB explained that the Migration Thresholds document was created with the purpose to provide clarity on the number of migrations and the number of migration messages that participants and Central Systems will have to support during Migration. This necessary due to the changes made to the Migration approach following the approval of CR022.

The Migration Thresholds document sets out the planning assumptions made by the Programme behind the Migration Thresholds. The document has set out a daily planned Migration Threshold of 200,000 and an upper Migration Threshold of 300,000 which can be used under exceptional circumstances. In addition, LDSO specific thresholds have been outlined. In Section 5, the Programme has set out the number of migration messages required to support each migration. There is an appendix that models out several different scenarios that could potentially happen during Migration. This outlines the rationale behind the Migration Thresholds for LDSOs.

There was a two-week assurance period (27 September – 11 October) where the Programme invited participants to provide feedback on the document. During that time, there were meetings with different participant groups, e.g., LDSOs, Suppliers and Supplier Agents, to provide additional clarity on points that were queried in the document. At the end of that period, an assurance meeting was held to clarify points queried. The comments log has been published and participants can see the comments along with the response to them.

JW highlighted that a main area of feedback was that the Migration design was predicated on using the BAU SLAs. An area of concern from LDSOs was that the 60-minute SLA could be challenging if a large volume of migration requests were received at the same time. When discussing this feedback with participants, a key message was that there is not a pressing requirement for migrations to operate to the BAU SLAs. The alternate option presented, which is in the papers for approval today, sets out a relaxation of this SLA for migrations and is based on a set of windows throughout the day when different participants are expected to follow different parts of the migration process. Details of these windows can be found in the TMAG slides.

As the volume of messages expected to be sent during the migration period set out within the document is different to the volume set out within the MHHS design, a CR will be raised to update the design to reflect this change.

IH, the DNO Representative, highlighted the volume testing to be undertaken by St Clements on MPRS in Jan 2024 and how the outcome of this would be important in providing DNOs with confidence they can meet the migration volumes outlined in the Migration Thresholds document. The Programme recognised this but also separated the approval of the document being reviewed with the information available today from the Jan 2024 testing. If issues did emerge in the Jan 2024 testing, the options available would either be for St Clements to resolve the issues themselves or if the issues were unresolvable, explore an update to the now baselined document through the Programme change process.

AMF queried if the LDSO and Agents have the same deadline at 23:00, what would happen if the agents are late. JW responded that if the agents are late, the messages will be processed the following day.

JB asked if there is any allowance for the creation of export MPANs within the thresholds. JW replied that there is nothing to prevent the creation of new MPANs. In modelling, the planned for volume comfortably supports migrating all of the MPANs in an 18-month window.

DECISION TMAG-DEC57: Approval of Migration Threshold document.

6.   T2 Readiness Assessment for CIT Interval 3

At FTIG 17 November, DM presented a status on Interval 1 & 2, which sets the context for Interval 3 Readiness.

Interval 1:

There have been some early integration issues uncovered, which is positive. Helix is now sending messages successfully into the DIP and can receive PUB messages too. Through defect investigation, the Programme identified

both inconsistency and intermittency of PUB message receipt and routing at both Helix and the SI pseudo end points. As a result, a SWAT team was set up consisting of Helix/Avanade/SI technical resources and have been running tests to remove the variables to focus on IF-021. A DIP infrastructure and CIT stub fix release have been deployed (16 and 17 November respectively). Both tests have now passed, and the associated defects have closed. Any residual defects that are not resolved or alleviated by these releases will continue to analyse those in real time with the technical SWAT team.

Interval 2:

The Programme will continue to closely monitor Interval 1 progress and open defects when making decisions to proceed with specific tests. During the smoke testing, Interval 2 execution can help isolate Interval 1 defect root causes.

Previously FTIG had recommended to proceed with Interval 2 subject to the work off plan, which is currently ongoing. The Programme has completed onboarding and endpoint configuration for SSEN & ElectraLink adapter and the BUUK & C&C adapters. There is ongoing activity with the St. Clements data load and there have been issues rectified. This activity is not yet complete, and being tracked to completion, but there is enough data now loaded to commence CIT. SSEN & BUUK sending smoke tests completed successfully, with noted defects under investigation: 12789 - PUB-018s not received in SI Pseudo Endpoints, and 14711 - IF-018 schema validation. SSEN & BUUK receiving smoke tests blocked due to defect 12368 (DIP ID: 22401) 'LDSO & Regs not found when DCP involved' – in retest in DIP PIT environment, and the SIT-A release is 20 November. In addition, there was an IF-018 schema validation defect that occurred, which has since been investigated. Avanade have confirmed that this is a genuine validation failure, and this has been passed back to St. Clements and C&C to retest, but currently the Programme has paused any retesting on Interval 2 whilst assessing the latest release.

The Programme is currently monitoring the ability to commence based on these issues. Once the DIP release is deployed that should free up scheduled smoke tests.

Interval 3:

There is nothing to prevent Interval 3 controlled sending smoke tests. The decision to commence formal CIT execution to consider Intervals 1 & 2 progress over the coming week.

There are nine participants engaged in Interval 3. The Programme has received 8/9 participants' final completion reports. The Programme has received the final report, that review is expected to be completed 21 November. Data loading is to be completed by the outstanding participant 20 November. In terms of Code deployment, all participants have confirmed that they have deployed code to their own environments and onboarding. All participants have completed the registration of certificates, but setup validation and endpoint creation are ongoing. One participant is ready to start smoke testing. The Programme has told participants to complete these steps by 22 November. The test management tool, user setup, training and test having been loaded into ADO and those being allocated to participants have been completed for all parties. The Programme is following up with participants to ensure the tests have been allocated correctly. Test reporting has been set up for participants on previous intervals and set up individual dashboards within each participant. Testing defect meetings have been scheduled. The Programme will have meetings to discuss any residual work, work off items with the participants until they are fully complete and ready to start execution. All participants have provided CIT test redness reports and all participants have confirmed that they have the resources in place now. Test Readiness reports have been reviewed and responses are being sent to participants. A SI overarching readiness report which will highlight any of the outstanding items on the work off plan.

SBr, the I&C Supplier Representative, queried that it was mentioned in FTIG and EMs & SIMs to reach out to participants for PIT evidence on message signing for Interval 3. KD replied the Programme is planning to reach out this week.

DECISION TMAG-DEC58: Approval of the T2 Readiness Assessment for CIT Interval 3

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7.   Environments Approach and Plan (SIT Functional)

SBe provided an update on the consultation of the Environment Approach and Plan, which ran from 13 October – 20 October. 66 comments were received. None of the comments were 'showstoppers. All comments have been responded to and where required updates made to the Environments Approach & Plan, uplifted to v2.9. Those comments were incorporated into an uplifted version of the documents which has also been sent out for information to participants so that they can see the changes that were made from the original version that was issued for review. This document covers the test environment architecture for SIT Functional Testing.

8.   SIT CIT readiness Tracker

No further update on DM, as the information was in Agenda Item 6. interval 4 on track as are other intervals, no exceptions to call out.

9.   Testing Update

The Programme provided a verbal update of Testing. According to statistics there would be a perception there has been no progress. However, The Programme is 15 days into CIT, it would be expected to encounter integration and initial tranche issues. The Programme has found more than half a dozen defects which have been resolved, fixed and retested successfully. Testing has uncovered areas that need improving, for example Readiness Activities the rigour of participants going through DIP Onboarding and the need for participants to do Smoke Testing (which is new).

10.   Qualification update.

GP provided an update from the November QWG meeting. There were responses to the sandbox questions in September QWG, participants are keen to keep the sandbox. Elexon will be utilising its performance assurance techniques to assure legacy participants throughout the transition to market wide half hourly for Suppliers and Supplier Agents. Elexon will be using the assurance information request and to ensure that participants have a plan to implement the changes to our market wide half hourly assessment. Where participants are failing to meet their obligations, Elexon will look at deploying the resolution technique. The Code Bodies have been reviewing the timescales and approaches for Supplier and Supplier Agent Qualification Processes including the Qualification Assessment Document (QAD) timeframes. This will be presented to PSG and QWG in December to show those timelines.

LN raised that it would be helpful for the Supplier and Agents Qualification plan to come out in advance of the eQWG. GP and NF responded that the papers will be published 21 November 2023 to ensure participants can view the material prior to the meeting.

11.   IPA Test Assurance Update

BB, from the IPA provided an update on the IPA Test Assurance P1.

BB shared that in the P1 report there are 25 actions. 17 of these had been closed and 7 are in progress. There is a monthly meeting with the LDP to check progress.

In P2 the report has been finalised, feedback has been received from SRO and LDP. The final report will be issued after going through the comments.

In P3, the IPA has reached out to participants. There are two key exam questions:

1.   How is SIT-CIT progressing to date?

2.   Is the Programme ready to start the next SIT-CIT interval?

As part of planning, the IPA will be discussing any blockers/issues participants are facing to help make the decision.

NBR queried why is there monthly reporting if there are seven overdue actions. BB responded that these are being discussed in a weekly review, but progress updates are monthly. AP responded that the majority of actions are closed, the open ones are a work in progress with subjective end dates.

12.   3 Month Milestone Look Ahead & Milestone Changes

The Chair discussed that over the last month the Programme has continued to review the testing section of the programme plan. There will be a focus on the non-SIT LDSO testing activities as a priority over the next period.

DECISION TMAG-DEC60: Approval of the Milestone changes

13.   Top Programme Risks related to TMAG

There are no significant changes to TMAG risks from last month.

The Chair shared the top programme risks related to TMAG.

- **R603: There is a risk that appropriate Code Body resource and the time available are not sufficient to support the planning and implementation of their Programme activities (non-SIT LDSO and wider Qualification activities)**.
- **R272: There is a risk that Core Capability Providers may be late arriving into their CIT Interval.**
- **R532: There is a risk that SIT participants will need to execute additional Qualification Testing in order to qualify.**
- **R653: There is a risk that the Code Bodies will not be able to define the Qualification test approach & requirements for each Market Role for non-SIT LDSO testing in a timely manner.**
- **R119: There is a risk that there may be a drive by participants to constrain testing by providing too few environments in SIT.**

No questions were raised on the risks.

14. Summary and next steps

The Chair went over next steps and the TMAG agenda roadmap, as per the slide.

15. AOB

LC raised that at the December TMAG, The Programme will bring the CIT Test Case Batch 3 of CIT Test Cases to conclude the CIT Test Case deliveries and the First Tranche of Functional Test Artefacts.

Date of next Extraordinary TMAG: 04 December 2023

Date of next TMAG: 20 December 2023