MHHS PROGRAMME

Industry-led, Elexon facilitated

Testing and Migration Advisory Group (TMAG) #23 – Extraordinary
30 August 2023

Version 1.0

MHHS-DEL1550

Agenda

| #	Item	Objective	Type	Lead	Time	Page
1	**Welcome**			Chair	11:00-11:05 *5 mins*	2
2	**SIT CIT Test Scenarios**	Approval of [SIT CIT Test Scenarios v5.2.2](#)	Decision	Programme (Kevin Davis)	11:05-11:15 *10 mins*	3
3	**SIT CIT Test Case Plans**	Approval of change in approach and milestone dates of SIT CIT Test Case Plans	Decision	Programme (Lee Cox)	11:15-11:20 *5 mins*	5
4	**End-to-End (E2E) Testing and Integration Strategy Refresh Plan**	Approval of the E2E Testing and Integration Strategy Refresh Plan	Decision	Programme (Lee Cox)	11:20-11:25 *5 mins*	7
5	**SIT Functional Connectivity Proving**	Approval of SIT Functional Connectivity Proving	Decision	Programme (Simon Berry)	11:25-11:35 *10 mins*	9
6	**Upcoming Programme Milestones and Changes related to TMAG**	Update on upcoming Programme milestones related to TMAG and milestone changes coming for approval	Information / Decision	Programme (PMO)	11:30-11:40 *5 mins*	12
7	**Summary and next steps**	Summarise actions and agree any agenda items for next meeting	Information	Secretariat	11:40-11:45 *5 mins*	16

SIT CIT Test Scenarios

DECISION: Approval of SIT CIT Test Scenarios v5.2.2

Programme (Kevin Davis)

10 mins

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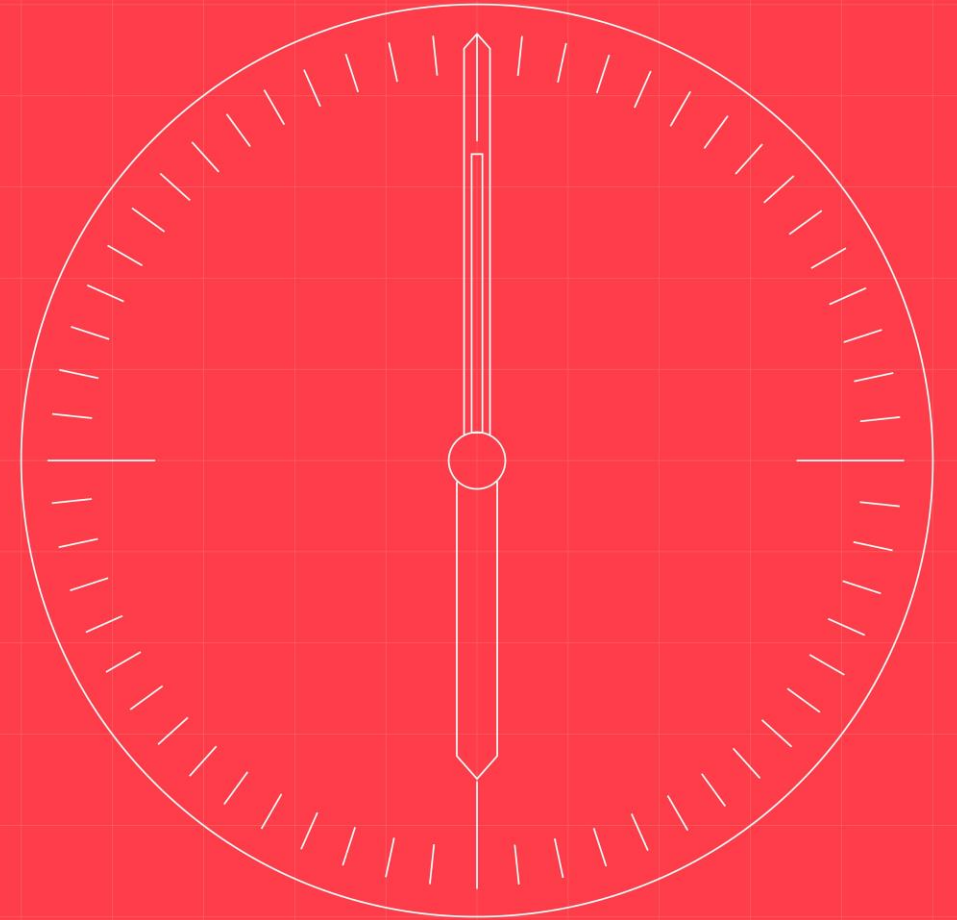
SIT CIT Test Scenarios

Following the SITWG 09 August 2023, we took an action to consider whether or not we should progress the CIT Test Scenario's into TMAG (planned 16 August 2023) for Approval.

On reflection, we recognise the importance of these Artefacts and the importance of providing participants with sufficient review time to be able to provide an informed view at SITWGs and TMAGs, so we did the following:

1. Offered bilaterals to participants to assure resolution of open queries; we have since held a number of very productive sessions to validate changes we had made, as well as agreed an approach for timely resolution of any residual issues.

2. Published an enhanced CIT Scenario Pack v5.2.2 16/08, encompassing agreed resolutions (as discussed in bilaterals); these also address queries raised during the SITWG, and via e-mail.

3. Provided SITWG members with a further 5 working days to conduct final reviews against previous review comments.

4. Scheduled this extraordinary TMAG to approve the v5.2.2 CIT Scenarios.

As with the most recent packs, we have included fields that identify the changes we have made.

For queries raised against the v5.2.2 Scenarios during the 5 day assurance window, the programme has agreed the following:

1. Where the cause, and the resolution, lies in the scenario itself, the SI team will issue an addendum to the scenarios and issue to all participants. The test cases that follow will align with the revised scenario.

2. Where the cause lies in a design stipulation, but a participant or role contends that stipulation does not apply to them, we will tag the scenario as such. This will be progressed via a DIN for implementation in a future design iteration. In this case, the test will be excluded from CIT for the impacted party/parties.

Where parties raised such concerns via e-mail, or in the 23 August extraordinary SITWG, we have worked bilaterally with them to seek closure.

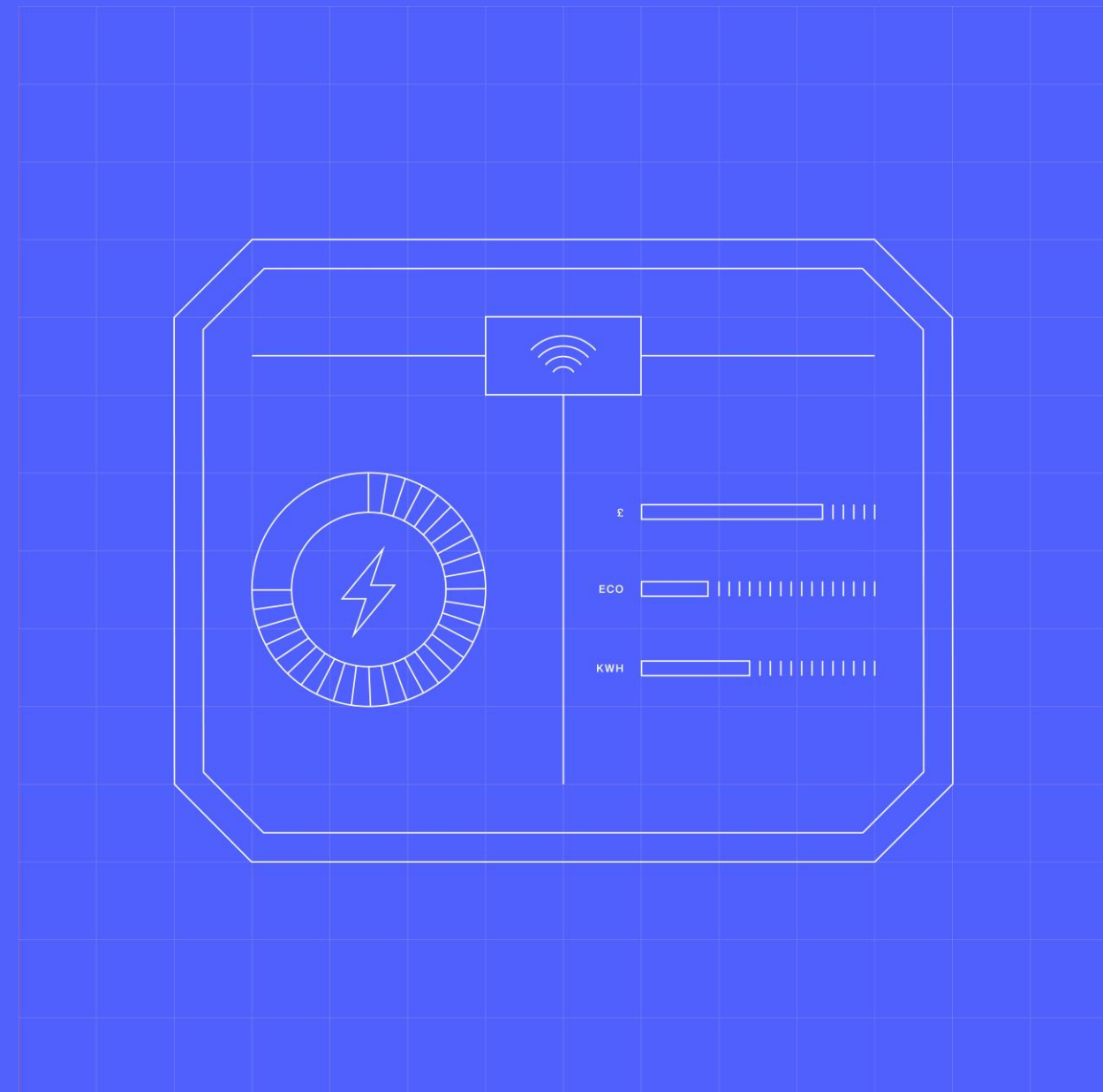**Decision:** We would like to request TMAG Approval for the v5.2.2 CIT Scenarios.

Note – The CIT Scenarios are aligned to the Interim Design Release 2 Artefacts (Interface Catalogue v5.2.1), and not deviate beyond this. Should a Participant retain concerns against the Interim Design Release 2, then appropriate DINs need to be created and registered to enable resolution.

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SIT CIT Test Case Plans

DECISION: Approval of change in approach and milestone dates of SIT CIT Test Case Plans

Programme (Lee Cox)

5 mins

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CIT Test Case Consultation and Approval Plan

2023

Jun | Jul | Aug | Sep | Oct | Nov | Dec | **2024** | Jan

2024

SIT CIT Test Cases Batch 1

Batch 1 (Intervals 1 & 2)

Interval 1 & 2 Participant Consultation — Aug 28 - Sep 8

Interval 1 & 2 Participant Assurance Review — Sep 18 - Sep 22

Proposed Extraordinary TMAG — Sep 29

SI publishes CIT Interval 1 Test Readiness Report — Oct 6

SIT Component Integration Testing 1 Preparation Complete (T2-TE-0250) — Oct 23

System Integration Testing Start (T1-TE-1000 / M9) — Oct 30

SIT CIT Test Cases Batch 2

Batch 2 (Intervals 3 & 4)

Interval 3 & 4 Participant Consultation — Oct 2 - Oct 13

Interval 3 & 4 Participant Assurance Review — Oct 23 - Oct 27

Proposed Extraordinary TMAG — Nov 3

SI publishes CIT Interval 3 Test Readiness Report — Nov 10

SIT Component Integration Testing 3 Preparation Complete (T2-TE-0350) — Nov 20

Component Integration Testing Interval 3 Start (T3-TE-0062) — Nov 27

SIT CIT Test Cases Batch 3

Batch 3 (Intervals 5 & 6)

Interval 5 & 6 Participant Consultation — Nov 6 - Nov 17

Interval 5 & 6 Participant Assurance Review — Nov 27 - Dec 1

Proposed Extraordinary TMAG — Dec 8

SI publishes CIT Interval 5 Test Readiness Report — Dec 18

SIT Component Integration Testing 5 Preparation Complete (T2-TE-0450) — Jan 8

Component Integration Testing Interval 5 Start (T3-TE-0064) — Jan 15

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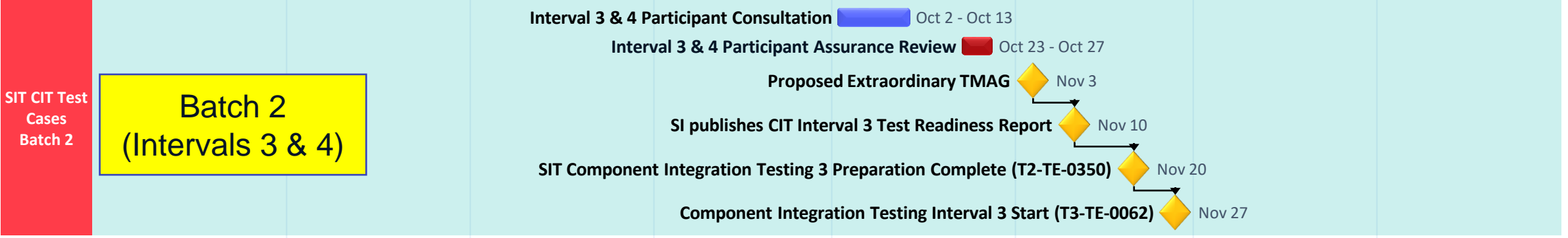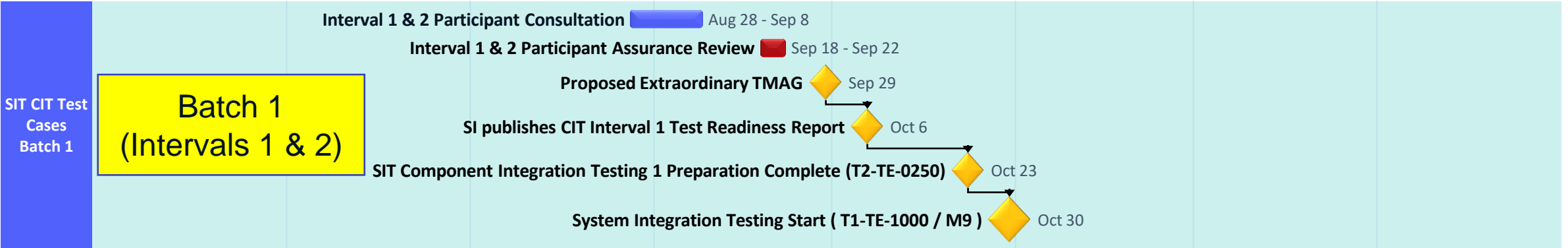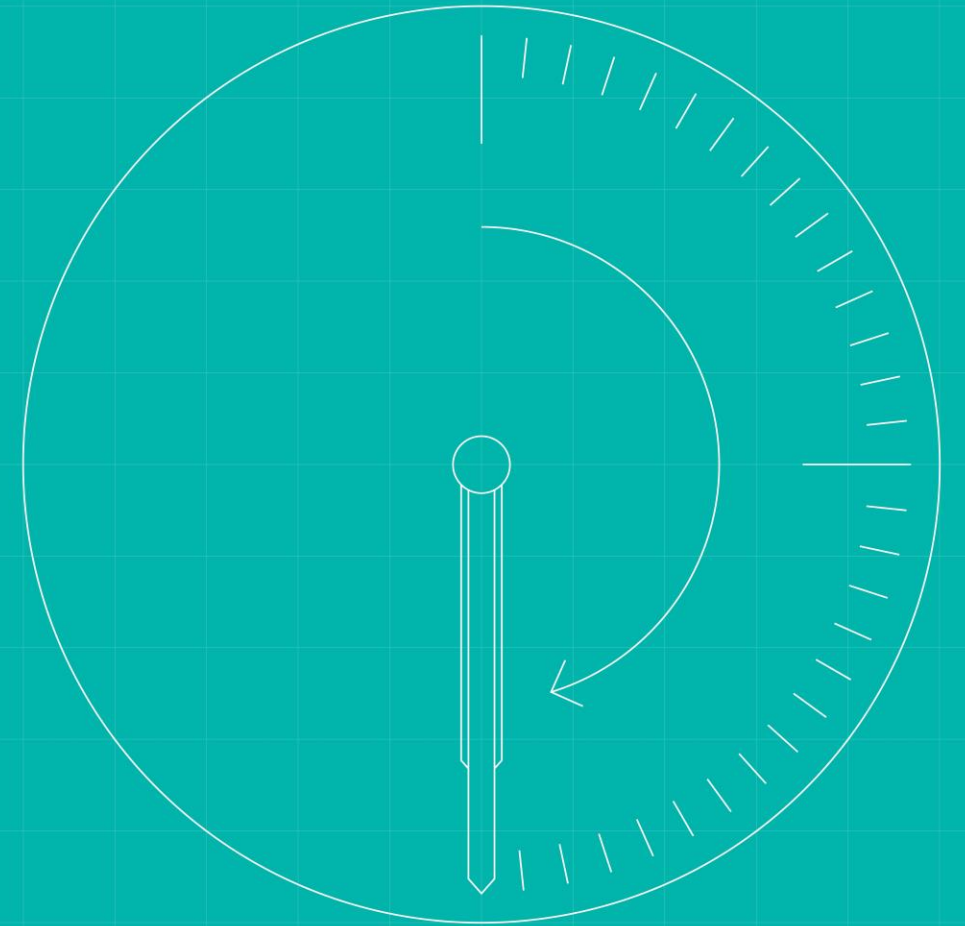
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End-to-End (E2E) Testing and Integration Strategy Refresh Plan

DECISION: Approval of the E2E Testing and Integration Strategy Refresh Plan

Programme (Lee Cox)

5 mins

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End-to-End (E2E) Testing and Integration Strategy Refresh – draft plan

2023

| Aug | Sep | Oct | **2023** |

E2E Testing & Integration Strategy

Refresh Test Strategy — Aug 16 - Aug 22

LDP Review — Aug 23 - Aug 25

Issue for SRO and Code Bodies Review — Aug 29 - Sep 5

Internal Review of changes — Sep 5 - Sep 8

Industry Assurance Review — Sep 11 - Sep 15

Final review following Assurance Review — Sep 18 - Sep 27

October SITWG Paper Day — Sep 28

October SITWG — Oct 5

October TMAG Paper Day — Oct 11

October TMAG - Approval — Oct 18

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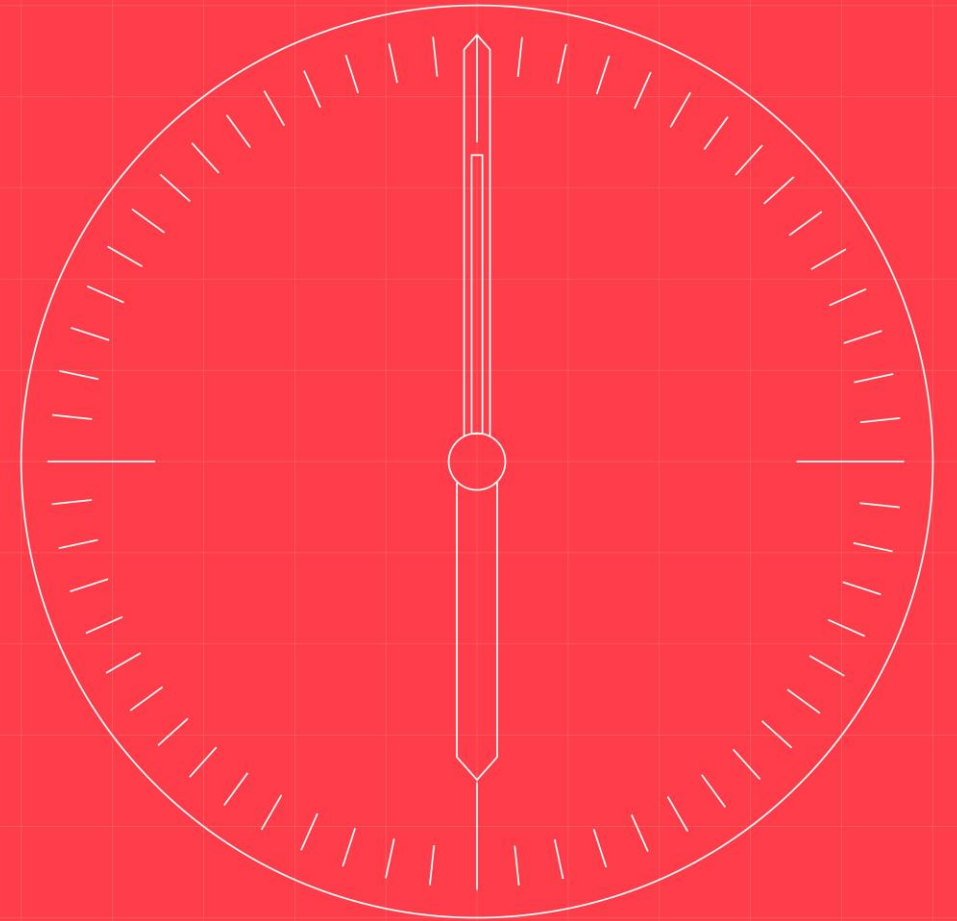Industry-led, Elexon facilitated

SIT Functional Connectivity Proving

DECISION: Approval of SIT Functional Connectivity Proving

Programme (Simon Berry)

10 mins

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SIT Functional Connectivity Proving
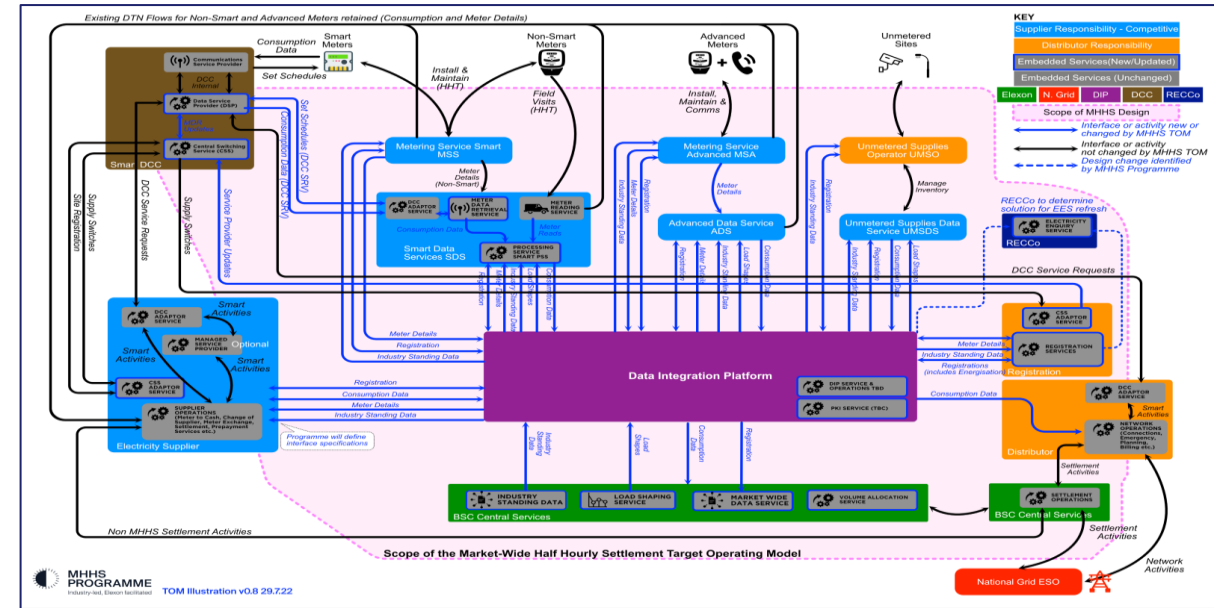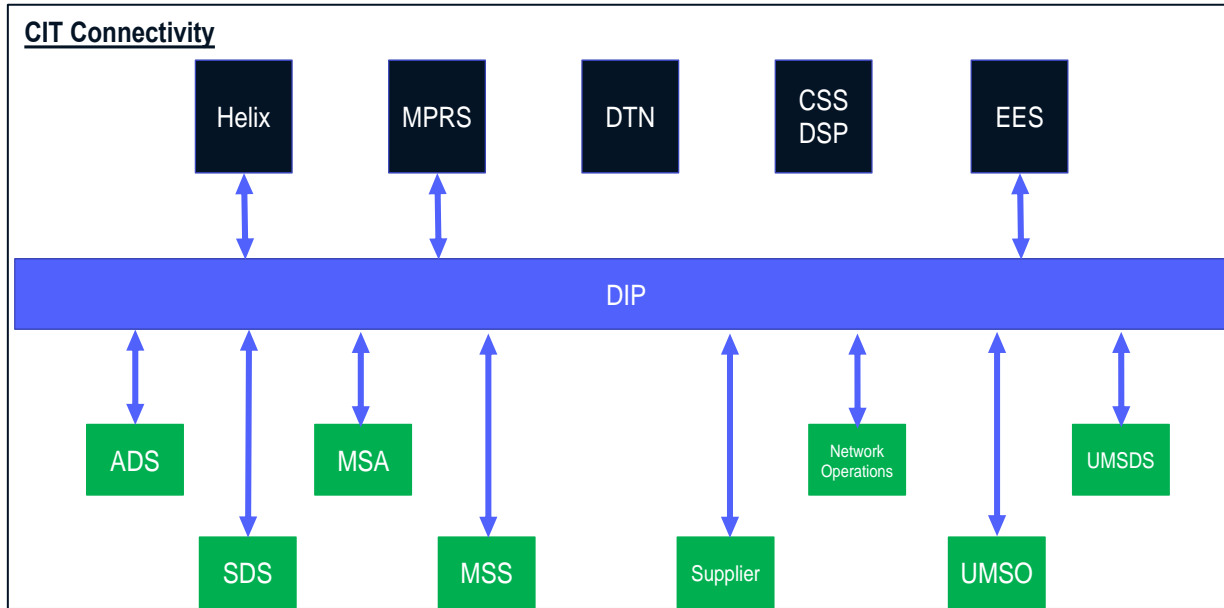
- The connectivity proving phase for CIT is relatively simple. Test Participants will need to ensure that their internal test environment connectivity is confirmed and that they connect to the DIP.
- The objective of SIT Functional testing is to validate the end to end operability of the MHHS solution.
- In order to execute end to end testing the various market roles need to be connected.
- In order to ensure that SIT Functional test phase can commence test execution as scheduled we will be introducing a SIT Functional Connectivity Proving Phase.

SIT Functional Connectivity Proving

SIT Functional Test Connectivity Proving - Supplier Market Role example
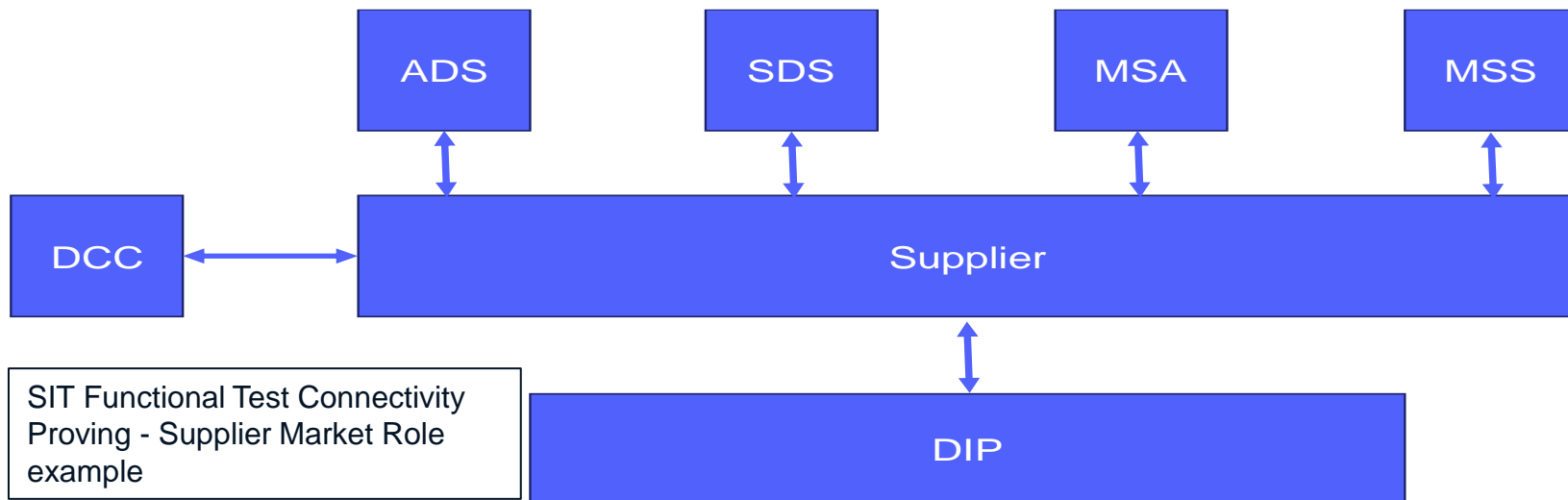
- SIT Functional Connectivity Proving will follow the same principles as CIT Connectivity Proving – commence 8 weeks prior to test execution and duration of 4 weeks
- SIT Functional Connectivity Proving will take place over a 4 week period, from 8th January '24 to 2nd February '24.
- We recognise that this period is whilst some of the Market Roles are in CIT test execution but we anticipate that the resource required to execute CIT testing and undertake Connectivity Proving are different, albeit in the same SIT Functional test environment
- The scope of SIT Functional Connectivity Proving has yet to be determined. As soon as we have defined we will share with you.

Upcoming Programme Milestones related to TMAG

INFORMATION / DECISION: Update on the upcoming Programme milestones related to TMAG and milestone changes coming for approval

Programme (PMO)

5 mins

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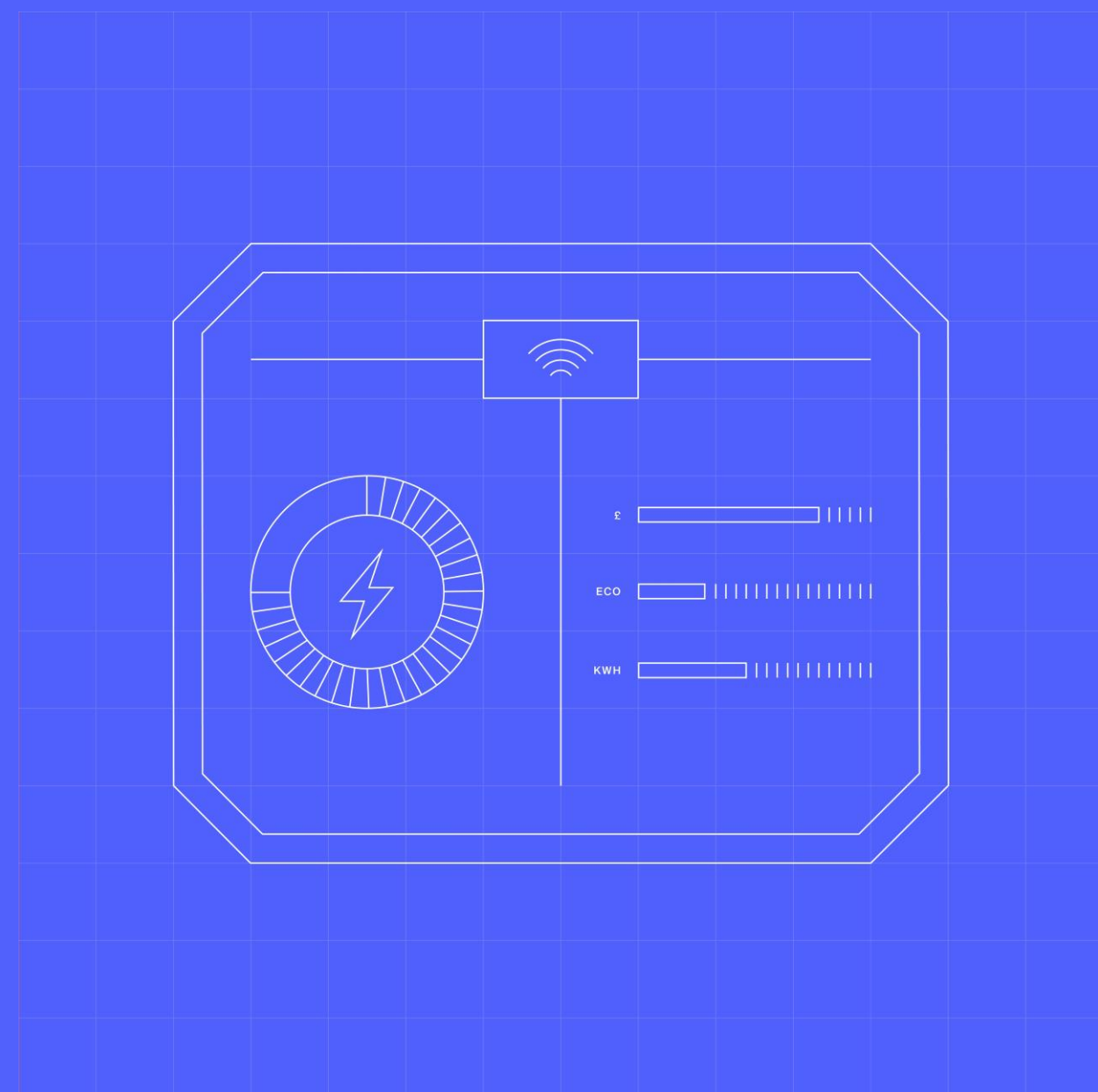
Milestone Changes

Milestone Change	Milestone Tier	Milestone ID	Milestone Title	Plan Section	Baseline Date	Forecast Date	Last RAG	Current RAG	Next RAG	Update
Date Change	T3	T3-TE-0014	SIT Component Integration Testing Test scenarios approved	SI Test	Fri 02/06/23	Wed 30/08/23	Red	Amber	Blue	
Name & Date Change	T3	T3-TE-0069	SIT Component Integration Testing Test cases Batch 1 (CIT Intervals 1 and 2) approved at ETMAG	SI Test	Fri 01/09/23	Fri 29/09/23	Amber	Green	Green	
New	T3	T3-TE-0104	SIT Component Integration Testing Test cases Batch 2 (CIT Intervals 3 and 4) approved at ETMAG	SI Test	NA	Fri 03/11/23	Grey	Green	Green	
New	T3	T3-TE-0105	SIT Component Integration Testing Test cases Batch 3 (CIT Intervals 5 and 6) approved at ETMAG	SI Test	NA	Fri 08/12/23	Grey	Green	Green	
Date Change	T3	T3-DB-0013	PP PIT Completion Report (excl. Migration/Reverse Migration) submitted to Programme for assurance CIT Interval 1	PP	Fri 29/09/23	Mon 09/10/23	Green	Green	Green	
Name Change	T3	T3-TE-0019	SIT Participants' SIT A environments ready to start connectivity proving CIT Interval 1	SI Test	Fri 01/09/23	Fri 01/09/23	Green	Green	Blue	
Name Change	T3	T3-TE-0020	SIT Participants' SIT A environments ready to start connectivity proving CIT Interval 2	SI Test	Fri 22/09/23	Fri 22/09/23	Green	Green	Green	
Name Change	T3	T3-TE-0021	SIT Participants' SIT A environments ready to start connectivity proving CIT Interval 3	SI Test	Fri 06/10/23	Fri 06/10/23	Green	Green	Green	
Name Change	T3	T3-TE-0022	SIT Participants' SIT A environments ready to start connectivity proving CIT Interval 4	SI Test	Fri 20/10/23	Fri 20/10/23	Green	Green	Green	
Name Change	T3	T3-TE-0023	SIT Participants' SIT A environments ready to start connectivity proving CIT Interval 5	SI Test	Fri 10/11/23	Fri 10/11/23	Green	Green	Green	
Name Change	T3	T3-TE-0024	SIT Participants' SIT A environments ready to start connectivity proving CIT Interval 6	SI Test	Fri 24/11/23	Fri 24/11/23	Green	Green	Green	
New	T3	T3-TE-0094	PPs register PKI Officers and request PKI certificates Complete - Interval 1	PP	NA	Fri 13/10/23	Grey	Green	Green	
New	T3	T3-TE-0098	PPs Register PKI Officers and request PKI certificates Complete - Interval 2	PP	NA	Fri 20/10/23	Grey	Green	Green	
New	T3	T3-TE-0099	PPs Register PKI Officers and Request PKI certificates Complete - Interval 3	PP	NA	Fri 10/11/23	Grey	Green	Green	
New	T3	T3-TE-0100	PPs register PKI Officers and Request PKI Certificates Complete - Interval 4	PP	NA	Fri 24/11/23	Grey	Green	Green	
New	T3	T3-TE-0101	PPs register PKI Officers and Request PKI Certificates Complete - Interval 5	PP	NA	Fri 08/12/23	Grey	Green	Green	
New	T3	T3-TE-0102	PPs register PKI Officers and Request PKI Certificates Complete - Interval 6	PP	NA	Mon 11/12/23	Grey	Green	Green	

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Milestone 3 Month View (1)

Milestone Tier	Milestone ID	Milestone Title	Plan Section	Baseline Date	Forecast Date	Last RAG	Current RAG	Next RAG	Update
Tier 3	T3-DB-0034	DIP RTTM submitted to Programme for assurance	PP	Fri 04/08/23	Fri 10/08/23	Red	Blue	Grey	
Tier 3	T3-TE-0067	E2E Sandbox Guidance approved	SI Test	Fri 04/08/23	Fri 04/08/23	Red	Red	Red	Requirement for the E-2-E Sandbox is being reviewed and this may be descoped if no longer required
Tier 3	T3-DB-0035	DIP Simulator uplifted to align with Interim Release 2	SI DevOps	Fri 11/08/23	Fri 11/08/23	Green	Blue	Grey	
Tier 3	T3-DB-0038	Data Services Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 11/08/23	Fri 11/08/23	Green	Green	Green	
Tier 3	T3-TE-0068	Environment Approach & Plan - Work Off Approved	SI Test	Fri 30/06/23	Wed 16/08/23	Green	Blue	Grey	
Tier 3	T3-TE-0017	Production data cut GONG decision	SI Test Data	Wed 16/08/23	Wed 16/08/23	Green	Blue	Grey	
Tier 3	T3-TE-0013	SIT Functional Testing Test Approach & Plan approved	SI Test	Wed 16/08/23	Wed 16/08/23	Green	Blue	Grey	
Tier 2	T2-TE-0200	Data cut from relevant participants' production systems completed (Saturday 19 August)	SI Test Data	Mon 21/08/23	Mon 21/08/23	Green	Blue	Grey	
Tier 3	T3-DB-0040	Metering Services Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 25/08/23	Fri 25/08/23	Green	Green	Blue	
Tier 3	T3-TE-0014	SIT Component Integration Testing Test scenarios approved	SI Test	Fri 02/06/23	Wed 30/08/23	Red	Amber	Blue	
Tier 3	T3-DB-0042	Registration Services RTTM submitted to Programme for assurance	PP	Fri 01/09/23	Fri 01/09/23	Green	Green	Blue	
Tier 3	T3-DB-0044	Registration Services test scenarios submitted to Programme for assurance	PP	Fri 01/09/23	Fri 01/09/23	Green	Green	Blue	
Tier 3	T3-TE-0070	SIT Functional Testing Test cases approved	SI Test	Fri 01/09/23	Fri 01/09/23	Amber	Red	Red	Test case plan to be developed and reviewed with SIT WG before being tabled at TMAG for approval
Tier 3	T3-DB-0052	UMSO Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 15/09/23	Fri 15/09/23	Green	Green	Blue	
Tier 3	T3-DB-0054	Network Operation Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 15/09/23	Fri 15/09/23	Green	Green	Blue	
Tier 3	T3-DB-0046	SIT Suppliers Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 15/09/23	Fri 15/09/23	Green	Green	Blue	
Tier 3	T3-DB-0048	Metering Services RTTM submitted to Programme for assurance	PP	Fri 15/09/23	Fri 15/09/23	Green	Green	Blue	
Tier 3	T3-DB-0050	Metering Services test scenarios submitted to Programme for assurance	PP	Fri 15/09/23	Fri 15/09/23	Green	Green	Blue	
Tier 3	T3-TE-0015	SIT Functional Testing Test scenarios approved	SI Test	Fri 02/06/23	Wed 20/09/23	Green	Green	Blue	

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Milestone 3 Month View (2)

Milestone Tier	Milestone ID	Milestone Title	Plan Section	Baseline Date	Forecast Date	Last RAG	Current RAG	Next RAG	Update
Tier 3	T3-MI-0021	Threshold volumes approved at TMAG	SI Migration	Wed 20/09/23	Wed 20/09/23				
Tier 3	T3-DB-0058	Data Services RTTM submitted to Programme for assurance	PP	Fri 22/09/23	Fri 22/09/23				
Tier 3	T3-DB-0056	Data Services test scenarios submitted to Programme for assurance	PP	Fri 22/09/23	Fri 22/09/23				
Tier 3	T3-DB-0060	UMSO RTTM submitted to Programme for assurance	PP	Fri 06/10/23	Fri 06/10/23				
Tier 3	T3-DB-0025	UMSO test scenarios submitted to Programme for assurance	PP	Fri 06/10/23	Fri 06/10/23				
Tier 3	T3-DB-0062	Network Operation RTTM submitted to Programme for assurance	PP	Fri 06/10/23	Fri 06/10/23				
Tier 3	T3-DB-0011	Network Operation test scenarios submitted to Programme for assurance	PP	Fri 06/10/23	Fri 06/10/23				
Tier 3	T3-DB-0064	SIT Suppliers RTTM submitted to Programme for assurance	PP	Fri 06/10/23	Fri 06/10/23				
Tier 3	T3-DB-0037	SIT Suppliers test scenarios submitted to Programme for assurance	PP	Fri 06/10/23	Fri 06/10/23				
Tier 3	T3-DB-0068	DCC Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 13/10/23	Fri 13/10/23				
Tier 3	T3-DB-0066	EES Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 13/10/23	Fri 13/10/23				
Tier 3	T3-DB-0070	CSS Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 13/10/23	Fri 13/10/23				
Tier 3	T3-DB-0070	CSS Test Approach & Plan (PIT) submitted to Programme for assurance	PP	Fri 13/10/23	Fri 13/10/23				
Tier 3	T3-DB-0015	PP PIT Completion Report (excl. Migration/Reverse Migration) submitted to Programme for assurance CIT Interval 2	PP	Fri 20/10/23	Fri 20/10/23				
Tier 2	T2-TE-0250	SIT Component Integration Testing 1 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	SI Test	Mon 23/10/23	Mon 23/10/23				
Tier 3	T3-TE-0060	Component Integration Testing Interval 1 Start	SI Test	Mon 30/10/23	Mon 30/10/23				
Tier 3	T3-DB-0039	DIP Simulator uplifted to align with Interim Release 5	SI DevOps	Fri 15/12/23	Fri 03/11/23				
Tier 3	T3-DB-0017	PP PIT Completion Report (excl. Migration/Reverse Migration) submitted to Programme for assurance CIT Interval 3	PP	Fri 03/11/23	Fri 03/11/23				
Tier 2	T2-TE-0300	SIT Component Integration Testing 2 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	SI Test	Mon 06/11/23	Mon 06/11/23				

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Summary and next steps

INFORMATION: Summarise actions and agree any agenda items for next meeting

Secretariat

5 mins

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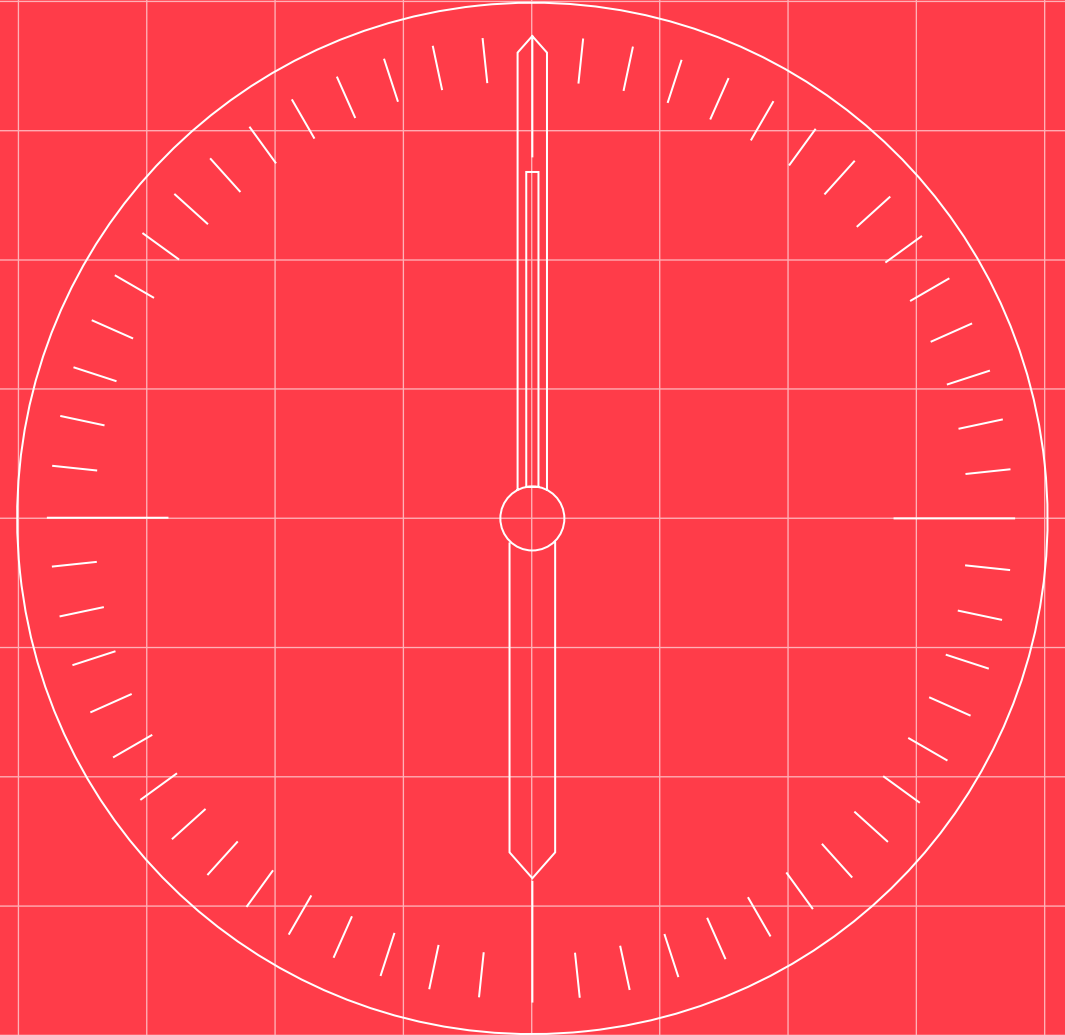
Summary and next steps

Next steps:

- Confirm actions from meeting

- Date of next TMAG: 20 September 2023

- Please send all questions and queries to the MHHS PMO mailbox PMO@mhhsprogramme.co.uk

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