MHHS PROGRAMME

Programme Steering Group #28
10 January 2024

Version 1.0
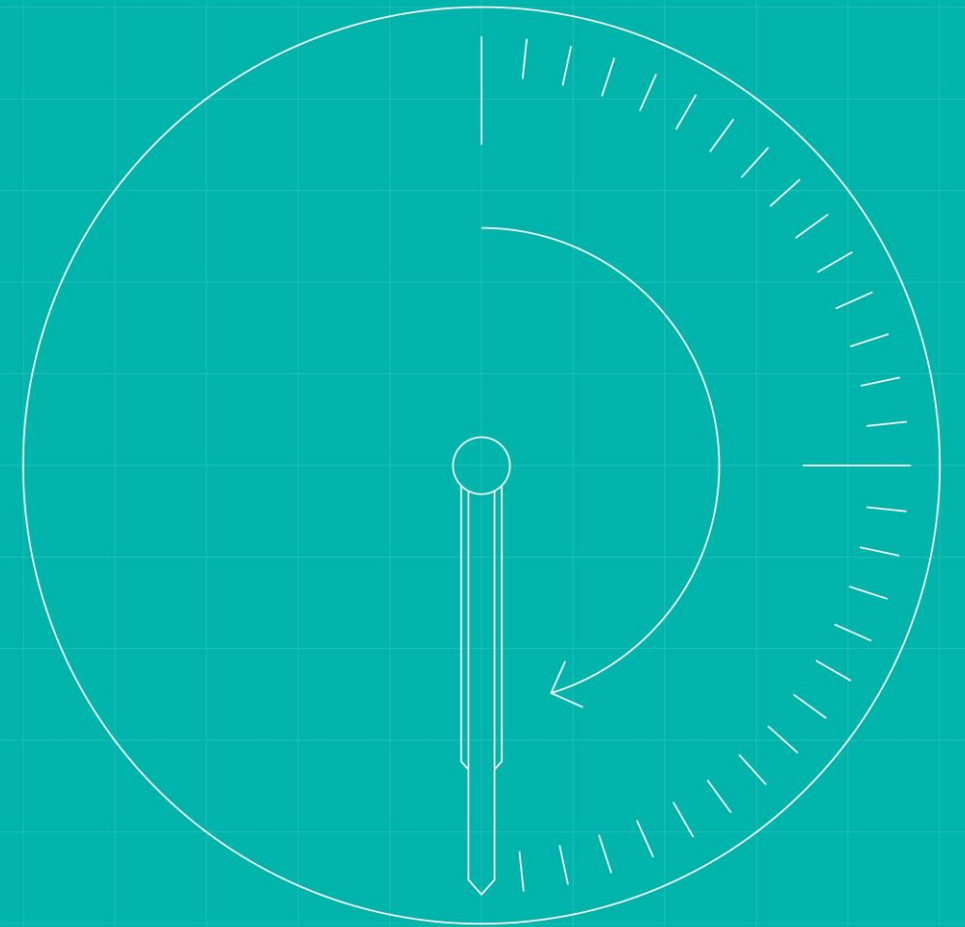
MHHS-DEL2097

Document Classification: Public

Agenda

#	Item	Objective	Type	Lead(s)	Time	Page
1	**Welcome**		-	Chair	14:00-14:05 *5 mins*	1
2	**Minutes and Actions**	Approve minutes and review actions	Decision	Chair & Secretariat	14:05-14:15 *10 mins*	3
3	**Sponsor Update**	Updates from Ofgem and 2024 forward view	Information	Ofgem (Melissa Giordano)	14:15-14:30 *15 mins*	6
4	**Qualification Testing Updates**	Updates on Qualification Testing: • Supplier and Agent • Non-SIT LDSO	Information	Elexon (Laura Kennedy) & Programme (Nicola Farley)	14:30-14:50 *20 mins*	8
5	**Programme Reporting**	Milestone reporting against the Programme Plan Test progress update	Information	Programme (Keith Clark & Adrian Page)	14:50-15:10 *20 mins*	11
6	**Delivery Dashboards**	Questions from PSG members on delivery dashboard content	Information	Chair	15:10-15:30 *20 mins*	18
7	**Summary and Next Steps**	Summarise actions and decisions, and look ahead to next meeting	Information	Chair & Secretariat	15:30-15:35 *5 mins*	48

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Minutes and Actions

DECISION: Approve minutes and review actions

Chair & Secretariat

10 mins

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Minutes and Actions (1 of 2)

1. **Approval of minutes and headlines of last PSG**
2. **Review of actions:**

Ref	Action	Owner	Due	Latest Update
PSG17-05	Review the post-implementation approach to Benefits Realisation and how Benefits Realisation will be handed over to Ofgem at M16	Programme (Jason Brogden)	PSG February 2024	ONGOING: MHHSP, Ofgem, IPA Benefits Realisation meeting 23-Jan-24 to consider progress on post-implementation benefits monitoring framework and responsibilities for 2 key programme outcomes
PSG18-05	Look into the assurance process for LDSOs for the accuracy of data for DUoS billing	Programme (Jason Brogden)	January 2024	RECOMMEND CLOSED: Settlement testing approach shared in PSG Headline report
				ONGOING: DBT2 assurance actions with IPA from meeting 8-Nov-23
PSG21-05	Programme to discuss with IPA the potential inclusion of IPA test assurance activities alongside programme plan information, to assist participants' view of effort requirements	Programme and IPA	Q1 2024	ONGOING: IPA test assurance activities have been incorporated into the new MHHS Transition Timeline and Implementation Approach. The minor updates include a new swim lane within the POAP which cover related IPA activities. The updated document is due to be republished following the restructuring of certain SIT preparation activities (Q1 2024 Jan-Mar). In the meantime, participants are encouraged to contact the IPA for a view on any IPA assurance activities.
PSG24-01	Elexon and RECCo to provide transparency around qualification testing dates, assumptions on equivalence from SIT, and understanding of testing which may be required in addition to SIT-based evidence requirements. In addition, Elexon and RECCo to ensure the clarifications are raised to the Qualification and E2E Sandboxing Working Group (QWG) and current plan dates are published.	Elexon (Oli Meggitt) & RECCo (Jonny Moore)	04/10/2023	ONGOING: Updates provided under Agenda Item 4.
PSG24-02	Elexon to discuss development of the Qualification Assessment Document (QAD) and Qualification Approach and Plan document with the IPA	Elexon (Oli Meggitt)	04/10/2023	ONGOING: Elexon Helix to provide update.
PSG25-01	Helix to develop high level plan to take forward SASWG/CR013 outputs and engage with Change Raiser	Elexon Helix (John Abbott)	06/12/2023	ONGOING: Recommended approach is that Elexon SMEs prepare a candidate paper outlining the profiling risks inherent in migration. MHHS SMEs can then review and provide further insight before putting this in front of the Profiling Expert Group (PEG) within the Supplier Volume Allocation (SVA) sub-committee of the BSC.

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Ref	Action	Owner	Due	Latest Update
PSG26-02	PSG members to provide views from constituents on anything they would like from Ofgem beyond what is currently provided to PMO@mhhsprogramme.co.uk	PSG Members	06/12/2023	RECOMMEND CLOSED: Agenda item 3.
PSG26-03	Ofgem to provide a view of expectations on industry parties and strategic priorities/drivers at the January 2024 PSG.	Ofgem (Melissa Giordano)	10/01/2024	RECOMMEND CLOSED: Agenda item 3.
PSG27-01	Programme to amend CR035 solution such that the Supplier seats and Agent seats for the new Migration and Cutover Advisory Group (MCAG) mirror the constitution of the Testing and Migration Advisory Group (TMAG) (i.e. separate small / medium / large Supplier seats and separate Supplier Agent and Supplier Agent (Independent) seats)	Programme (Chris Welby)	07/12/2023	RECOMMEND CLOSED: Agreed amendments applied and updated MHHS Governance Framework published to MHHS website.
PSG27-02	Programme to amend CR035 solution to reflect the agreed provision of an enhanced headline report which captures the context around decisions as well as pertinent industry viewpoints, and ensures a clear audit trail, with this documented within MHHS Governance Framework	Programme (Fraser Mathieson)	07/12/2023	RECOMMEND CLOSED: Agreed amendments applied and updated MHHS Governance Framework published to MHHS website.
PSG27-03	Programme to amend CR035 solution to reflect the agreed provision of timestamps future headline reports where decisions are made to support review of meeting recordings by participants where necessary	Programme (Fraser Mathieson)	07/12/2023	RECOMMEND CLOSED: Agreed amendments applied and updated MHHS Governance Framework published to MHHS website.
PSG27-04	Programme to provide information to the Large Supplier Representative on how headline reports will be managed, to enable this to be provided to constituents	Programme (Fraser Mathieson)	10/01/2023	RECOMMEND CLOSED: To be provided prior to PSG meeting.
PSG27-05	Programme to provide criteria for assessing the criticality of change and the recommended outcome (e.g. change implemented post MHHS-migration, or held until first business-as-usual settlement run, etc.)	Programme (Chris Welby & Andrew Margan)	10/01/2024	ONGOING: In progress.

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Sponsor Update

INFORMATION: Updates from Ofgem and 2024 forward view

Ofgem (Melissa Giordano)

15 mins

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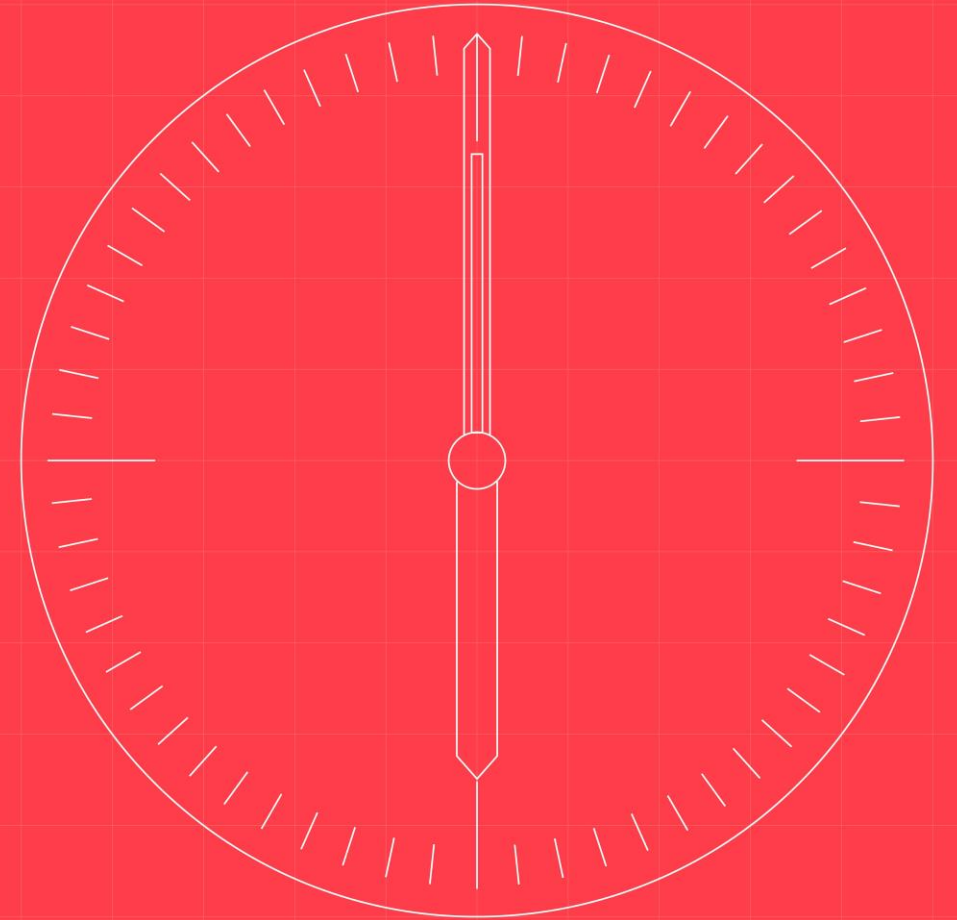
Early discussions have commenced with DESNZ on the impact of MHHS on the retail market.
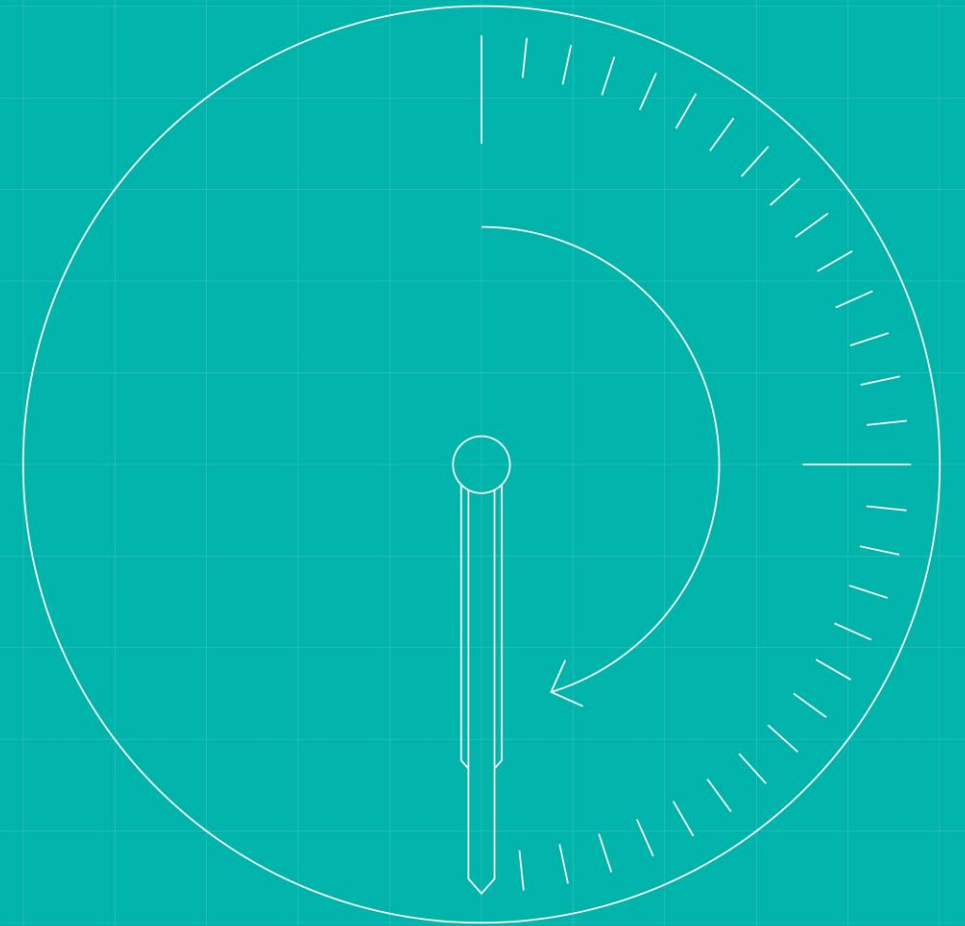
Initial proposals on the incentive approach will be presented to the next appropriate QWG and MWG for feedback.

Qualification Testing Updates

INFORMATION: Updates on non-SIT LDSO, Supplier, and Agent Qualification Testing

*Elexon (Laura Kennedy) &
Programme (Nicola Farley)*

20 mins

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- We are in active discussions with a third party to onboard highly experienced testing resource to augment the current team and give additional confidence in our delivery plan.

- The Pre-Qualification Submission Template was reviewed at QWG and is due to published at the end of January.

- The next version of the Qualification Approach and Plan (QA&P) is currently undergoing internal reviews and will be discussed at January QWG along with the Non-SIT Supplier and Agent Test Approach. This will be released for consultation in February, with TMAG/QAG and PAB approval targeted for March.

- The role specific questions for the Qualification Assessment Document (QAD) are being developed and a selection of these will be presented at the January QWG with the full QAD to follow at February QWG.

- The Test Scenarios for S&A QT are under development, they are due to be shared with participants at the end of March but we are looking to release them in batches sooner. Update will be provided in the February QWG.

- The Test Environment and Test Data approach are still under discussion and a high-level update will be provided at January QWG.
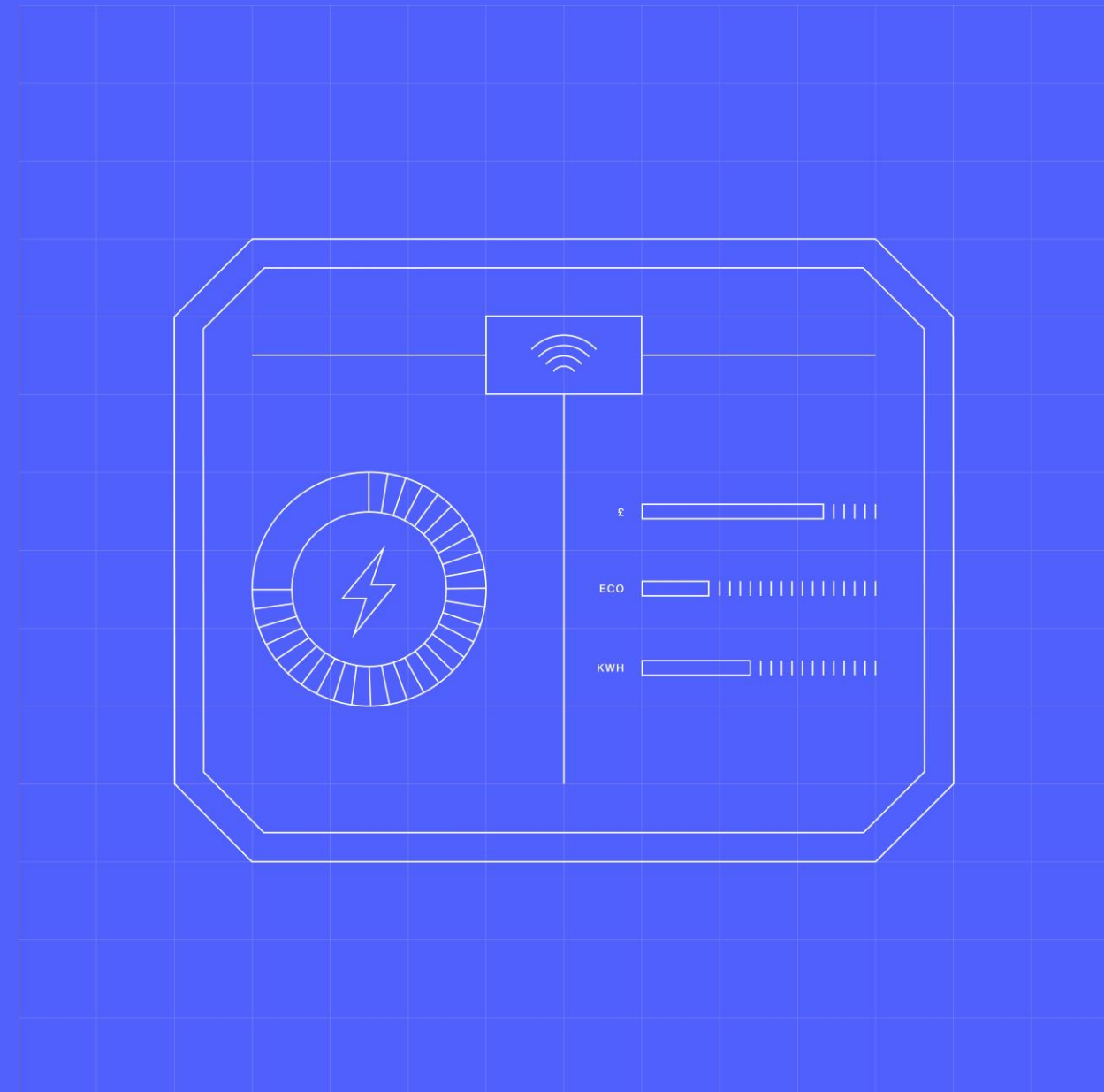
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- LDSO Qualification Testing is tracking to plan that was presented at November's PSG

- MHHSP and Code Bodies are reviewing LDSO Placing Reliance submissions with the view of confirming submissions by end of February

- LDSO Qualification Testing Approach will be issued for consultation in conjunction with the next version of the QA&P. A high-level view of contents and principles was shared at December's QWG, and further update will be shared at January's QWG

- Test Scenarios and Test Cases are in development with initial material to be shared with LDSOs by the end of January

- Choreography between end of SIT Cycle 2 and LDSO qualification testing entry to be discussed at January's QWG

- Programme is adapting the LDSO Qualification test data approach to reflect LDSO feedback from December's QWG

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Programme Reporting

INFORMATION: Progress reporting against the Programme Plan

Programme (Keith Clark & Adrian Page)

20 mins

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Milestone ID	Milestone Title	Baseline Date	Forecast Date	Previous RAG 6th Dec	Current RAG 10th Jan	Forecast RAG 7th Feb	Commentary
T3-TE-0091	Environment Approach and Plan – Non-SIT LDSOs	Wed 15/11/23	Wed 15/11/23	Red	Red	Blue	Date expected to be re-planned by agreement with the Qualification Advisory Group
T3-DB-0093	SIT Functional PIT Test Approach & Plan (PIT) submitted to Programme for assurance	Fri 17/11/23	Fri 17/11/23	Red	Red	Blue	Some PPs have missed this deadline. Impact currently expected to be manageable provided that those PPs rectify the situation quickly – otherwise milestone will remain RED
T2-TE-0400	SIT Component Integration Testing 4 Preparation Complete (including approval of SI SIT Component Integration Test Readiness Report)	Mon 04/12/23	Mon 04/12/23	Green	Blue	Grey	Approved at e-TMAG on 04-Dec-23 with work-off plan
T3-DB-0091	SIT Functional PIT RTTM submitted to Programme for assurance	Thu 07/12/23	Thu 07/12/23	Amber	Red	Blue	Some PPs have missed this deadline. Impact currently expected to be manageable provided that those PPs rectify the situation quickly – otherwise milestone will remain RED
T3-DB-0089	SIT Functional PIT test scenarios submitted to Programme for assurance	Thu 07/12/23	Thu 07/12/23	Amber	Red	Blue	Some PPs have missed this deadline. Impact currently expected to be manageable provided that those PPs rectify the situation quickly – otherwise milestone will remain RED
T3-TE-0015	SIT Functional Testing Test scenarios approved	Fri 08/12/23	Fri 20/12/23	Green	Blue	Grey	Approved at TMAG on 20-Dec-23
T3-TE-0063	Component Integration Testing Interval 4 Start	Mon 11/12/23	Mon 20/12/23	Green	Blue	Grey	Complete noting a work-off plan and revised CIT Approach being taken to Dec TMAG
T3-TE-0018	SIT Migration Testing Test Approach & Plan approved	Wed 20/12/23	Wed 20/12/23	Green	Blue	Grey	Approved at TMAG on 20-Dec-23
T2-TE-0450	SIT Component Integration Testing 5 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	Mon 08/01/24	Wed 20/12/23	Green	Blue	Grey	Approved at 20-Dec-23 TMAG based on CIT Governance approach change
T3-DB-0139	All SIT Functional Test approach and plans MHHS Reviews Completed	Thu 11/01/24	Thu 11/01/24	Green	Amber	Blue	Amber because not all test approach and plans received. This milestone may become RED unless MHHS receives the artefacts in time for them to be reviewed
T3-TE-0064	Component Integration Testing Interval 5 Start	Mon 15/01/24	Wed 20/12/23	Green	Blue	Grey	Approved at 20-Dec-23 TMAG based on CIT Governance approach change
T3-TE-0070	SIT Functional Testing Test cases approved	Wed 17/01/24	Wed 20/12/23	Green	Blue	Grey	Approved at 20-Dec-23 TMAG based on CIT Governance approach change
T3-DB-0140	All SIT Functional RTTMs MHHS Reviews Completed	Thu 18/01/24	Thu 18/01/24	Green	Amber	Blue	Amber because not all test approach and plans received. This milestone may become RED unless MHHS receives the artefacts in time for them to be reviewed
T3-DB-0141	All SIT Functional Test scenarios' MHHS Reviews Completed	Thu 18/01/24	Thu 18/01/24	Green	Amber	Blue	Amber because not all test approach and plans received. This milestone may become RED unless MHHS receives the artefacts in time for them to be reviewed

Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Unlikely to be met without escalated support

- All Tier 1 and Tier 2 milestones to SIT Functional Testing Start are included. Selected Tier 3 milestones are included for context

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MHHS Milestone Status (2) *

Milestone ID	Milestone Title	Baseline Date	Forecast Date	Previous RAG 6th Dec	Current RAG 10th Jan	Forecast RAG 7th Feb	Commentary
T3-DB-0181	All UMSO PIT (CIT interval 6) Completion Reports MHHS Review Completed	Fri 19/01/24	Fri 19/01/24	🟩 Green	🟩 Green	🟩 Green	
T2-TE-0500	SIT Component Integration Testing 6 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	Mon 22/01/24	Wed 20/12/23	🟩 Green	🟦 Blue	⬜ Grey	Approved at 20-Dec-23 TMAG based on CIT Governance approach change
T3-TE-0065	Component Integration Testing Interval 6 Start	Mon 29/01/24	Wed 20/12/23	🟩 Green	🟦 Blue	⬜ Grey	Approved at 20/12 TMAG based on CIT Gov approach change
T3-TE-0103	SIT Functional Connectivity Proving Complete	Fri 02/02/24	Fri 16/02/24	🟩 Green	🟨 Amber	🟩 Green	Amber because the only connectivity proving required in addition to CIT is ElectraLink DTN. This is an existing solution and the change in dates is not a cause for concern
T3-BC-0010	Service Management Strategy approved	Wed 21/02/24	Wed 21/02/24	🟨 Amber	🟩 Green	🟩 Green	Strategy document to be released for consultation Jan-24
T3-TE-0032	SIT Component Integration Testing End (incl. confirmation that PPs have submitted their Test Completion Reports to Programme for assurance)	Fri 23/02/24	Fri 23/02/24	🟩 Green	🟩 Green	🟩 Green	
T3-DB-0142	All SIT Functional PIT Completion Reports MHHS Review Completed	Fri 23/02/24	Fri 23/02/24	🟩 Green	🟩 Green	🟩 Green	
T2-TE-0550	SIT Functional Testing Preparation Complete	Fri 01/03/24	Fri 01/03/24	🟩 Green	🟨 Amber	🟨 Amber	Amber because of additional industry development for IR5.2. In line with detailed SIT dashboards and reporting
T2-TE-0600	SIT Component Integration Testing Test Completion Report Approved	Fri 08/03/24	Fri 08/03/24	🟩 Green	🟩 Green	🟩 Green	
T3-TE-0034	SIT Functional Testing Start	Mon 11/03/24	Mon 11/03/24	🟩 Green	🟨 Amber	🟨 Amber	Amber because of additional industry development for IR5.2. In line with detailed SIT dashboards and reporting

Milestone RAG definitions			
Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Unlikely to be met without escalated support

- All Tier 1 and Tier 2 milestones to SIT Functional Testing Start are included. Selected Tier 3 milestones are included for context

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Testing Activities – Context and Look Ahead

- SIT CIT is scheduled between 31-Oct-23 to 23-Feb-24, and the primary objectives of this testing stage are twofold:
    1. to prove that a PP representing each market role can send a message to the DIP, and the DIP routes it correctly, and
    2. to ensure that enough PPs, in each market role, can complete their CIT to enable them to form a part of the MVC required to start SIT functional testing

- SIT Functional testing can start as scheduled on 11-Mar-24 on the basis that:
    a) the CIT objectives (above) have been met
    b) there is an MVC of PPs in place – including Core Capability Providers – who have (a) completed CIT and (b) demonstrated readiness for SIT Functional start (primarily by assured evidence of PIT completion)

- SIT Functional start is not dependent on all currently active SIT PPs being ready to start SIT Functional testing, provided a) and b) are met

What do we know from CIT so far?

- DIP onboarding has been slow but once this is complete, smoke testing and CIT execution has been expedited much more quickly. The majority of PPs in Intervals 1 to 4 have completed onboarding, which provides confidence on the likelihood of their CIT completion in good time
- Of the interfaces which can be tested so far (Intervals 1 to 4), 92% have been successfully exercised
- Based on some good examples of progress in Intervals 1 to 4, we can also start to have some confidence in PPs' designs

Factors to carefully monitor in the coming days and weeks

- Interval 5 is where suppliers are scheduled to come into CIT. Given that they will be exercising many interfaces which have already been 'touched' in previous intervals there is reason to be optimistic on CIT outcomes, but most are still in onboarding and require strong support
- Timing of provision of DIP secondary routing functionality and implementation of data model, to support related testing in advance of SIT Functional start (currently under review)

IF Status - CIT (PP Generated IFs)

IF	Intervals 1 - 4 Coverage			Int 1 (1 PP)	Int 2 (2 PPs)	Int 3 (9 PPs)	Int 4 (7 PPs)
	Have Passes	Have Failures	Not Executed (N/E)	Passed	Passed	Passed	Passed
IF-001					1/2		
IF-002					1/2		
IF-004							2/7
IF-005							3/7
IF-006					1/2		
IF-007							3/7
IF-008			N/E				
IF-009					2/2		
IF-013				1/1			
IF-014		Int 1					
IF-015			N/A for CIT				
IF-016			N/A for CIT				
IF-018					2/2		
IF-019			N/E				
IF-020			N/E				
IF-021						6/9	
IF-022				1/1			
IF-023				1/1			
IF-024			N/E				
IF-025			N/E				
IF-026					2/2		
IF-027			N/E				
IF-028						5/9	
IF-031			N/E				
IF-032					2/2		
IF-033					2/2		
IF-034						5/9	3/7
IF-035		Int 2					
IF-036					2/2		
IF-037					2/2		
IF-038						5/9	3/7
IF-039			N/E				
IF-040				1/1			
IF-041						5/9	3/7
IF-043					2/2		
IF-044			N/E				
IF-045			N/E				
IF-047				1/1			
IF-050			N/A for CIT				

PP Generated IF Summary

- **39 IFs in total**
- **36 IFs in scope for CIT**

  - 26 IFs Exercised via the DIP and Passed *(NB: test cases impacted by Secondary Routing failures have been marked as 'Passed with Observations' in ADO).*

  - Of the interfaces which can be tested so far (Intervals 1 to 4), 92% have been successfully exercised

- 2 IFs are Failed and not yet passed to date (Int 1 - IF-014, Int 2 - IF-035)

- 10 IFs yet to be exercised (Note 9 of which have been exercised successfully using the CIT Stub)

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Summary of PP CIT progress (as of 03-Jan-24)

Interval	In DIP onboarding	In Smoke Testing	In CIT testing	CIT complete	Total
1	0	0	1	0	1
2	0	0	2	0	2
3	1	2	4	2	9
4	2	2	1	2	7
5+6	15	4	0	0	19
Total	18	8	8	4	38

As per SIT Status Dashboard in this pack
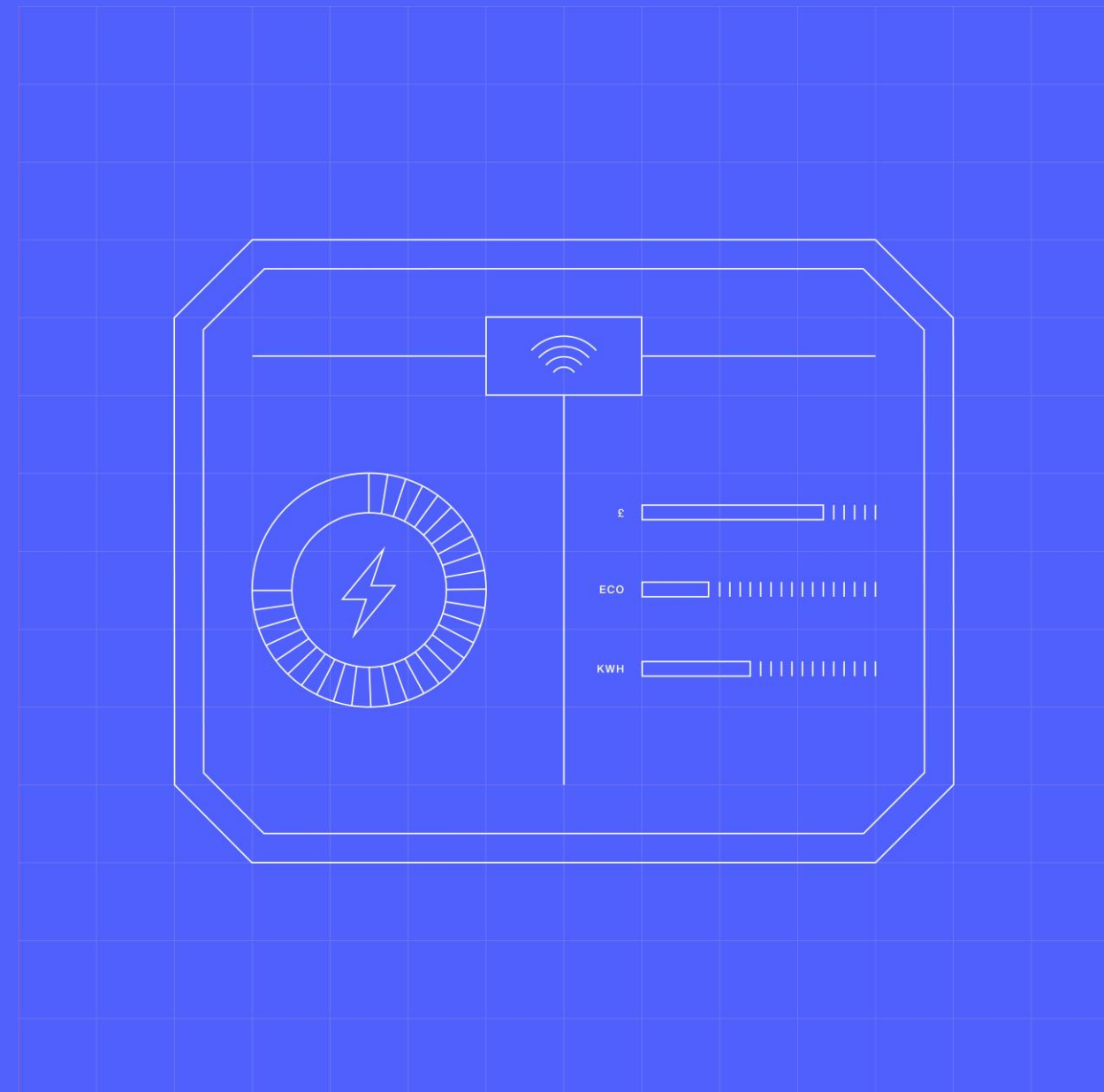The detailed version is shared in the weekly defect report and discussed at FTIG

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Delivery Dashboards

INFORMATION: Questions from PSG members on delivery dashboard content

Chair

20 mins

Delivery Dashboards Overview

Area	Title	Purpose
MHHSP Programme Status	Risk Themes	Provide a high-level view of Programme Risks
	Change Control	Update on the status of Change Requests
Industry Delivery Status	SIT MVC Status	Provide the status of SIT participants
	SIT Stage Statuses	Provide status of SIT stages
	Core Capability Provider Delivery Reports	Provide an overview of Helix, DIP, St Clements, RECCo, DCC and ElectraLink delivery plans and progress against them
	LDSO Delivery Updates	Provide the combined status and progress of LDSO delivery (DNOs and iDNOs)
	Central Party Finances	Provide high level Central Party budgets and expenditure
MHHSP Workstream Activity	SI Workstream Update	Update on activity and progress in the Design Management, Testing and Transition workstreams
	Fast Track Implementation Group (FTIG) Update	Update on the progress of FTIG
	Code Drafting Status	Update on the progress of Code Drafting against the Code Draft plan
	Level 3 Advisory Group Updates	Update on key discussion items and outcomes from recent Level 3 Advisory Groups and provide a forward look of agenda items
	PPC Activity	Provide information on PPC activity and participant engagement – includes a summary from the recent open day
	Industry Change	Summarise items raised to the Programme horizon scanning process
Assurance	Independent Programme Assurance (IPA)	Provide a progress update on in-flight and planned assurance activities

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Risk theme 1: Commencing and completing SIT as planned

Theme	Summary	Mitigation Approach Overview	RAG Status	
Commencing and completing SIT as planned	SIT success is reliant on (1) Core Capability Providers being ready, (2) sufficient volunteers being available to sustain a minimum viable cohort (MVC) through SIT, and (3) sufficient volunteers progressing through SIT to enable earliest migration	• Continuous monitoring of the MVC (through SIT CIT) to ensure that the MVC remains viable, with adequate contingency in each role • Ongoing liaison with Code Bodies on Qualification requirements that might drive SIT requirements (e.g. assurance activities that might be required to mitigate any risks from differences between SIT and production environments). The Programme is maintaining the assumption that no additional Qualification Testing execution will be required for SIT participants.	**Previous RAG**	**Yellow (38 Risks)**
			Current RAG	**Yellow (27 Risks)**

Key Risks

Risk ID	Risk Description	Risk Score Assessment — Critical / High / Medium / Low (30–1)	Current score movement since last PSG	Mitigation Plan
R331	Analogous estimating has been used to assess the likely duration of SIT testing using FSP as a benchmark. Until test scenarios / cases are all baselined, it is difficult to refine the estimates. There is uncertainty over the accuracy of estimating of SIT duration - it may be longer or shorter	I, C at 16; T at 6	No change	1. As SIT scope and scenario coverage is developed and approved by TMAG, estimates can be refined and validated - to be assessed post-test case creation (SIT Functional test cases authored and approved) 2. Work with the Design team on a logical sequence of Test execution, to optimise execution efficiency 3. Estimates have been refreshed for SIT Functional (based on test cases that need to be run and number of PPs involved in SIT). Further refinements will be made on an ongoing basis as changes to the test scenarios / cases are completed.
R669	SIT parties may enter and execute CIT successfully, but may not be ready for SIT Functional	C at 15; I at 13; T at 8	New item	1. PPs to submit SIT F PIT test artefacts on time 2. MHHS to conduct SIT Functional PIT assurance once received 3. Specifically monitor blockers through FTIG and PPC bilateral meetings 4. Programme revising secondary routing test approach to enable its completion before SIT F start date
R432	New Change Requests may have a material impact on the baseline design	I at 16; C at 15; T at 14	Reduction from 18 to 15	1. Manage Change Requests and understanding their impact on Design 2. Code Freeze agreed at PSG limits further Design changes unless they have a significant impact on the progression of milestones
R532	SIT participants may need to execute additional Qualification Testing to qualify	I, C at 16; T at 7	No change	1. Potentially require additional Qualification Testing for Metering Service Providers who are not existing MOPs and for ADS providers who aren't current HHDS (e.g. protocol testing, VLP arrangements) 2. MMHSP in discussion with Code Bodies to confirm and build their requirements into SIT 3. Linked to R567 where BSC PAB are yet to determine if Suppliers not serving UMS have to test UMS
R670	There is a risk that software / service provider SIT blockers may impact multiple suppliers SIT readiness and completion	I at 15; C at 14; T at 12	New item	1. MHHS to ensure we understand the provider ecospheres that support suppliers and thereby identify overall risks to the MVC and to the contingency assumed 2. Specifically monitor blockers through FTIG and PPC bilateral meetings

Items can be raised to the Programme RAID log using the RAID input form. Please refer to the Programme Digital PMO (DPMO) to see Programme risks in more detail

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Key	
I	Initial Score
C	Current Score
T	Target Score

Risk theme 2: Commencing and completing Migration successfully

Theme	Summary	Mitigation Approach Overview	RAG Status	
Commencing and completing Migration successfully	The theme explores the factors which may affect the Programme meeting M10 / M11 and completing Migration and how the Programme is planning to mitigate these to stop these risks from converting into issues	• Some of the existing risk factors around M10 / M11 will be mitigated by the findings throughout SIT Testing, which will evaluate assumptions, highlight to the Programme the areas which require attention and allow the Programme enough time to make the changes necessary for M10 / M11 success • The Migration Design, the Migration Cutover & Data Strategy, the Data Cleanse Plan, the Migration Thresholds Document and ongoing Code Drafting will provide Participants necessary materials to prepare for M10 / M11	**Previous RAG**	**Yellow (38 Items)**
			Current RAG	**Yellow (31 Items)**

Key Risks

Risk ID	Risk Description	Risk Score Assessment	Current score movement since last PSG	Mitigation Plan
R663	There is a risk that those large Supplier Agents, who support multiple large Suppliers, will not be able to support planned migration volumes due to operational or technical constraints	I/C at 18, T at 12 (Medium)	New Item	1. Large Agents have invested in infrastructure (e.g. IT hardware and operating systems) capable of supporting NFR volumes. 2. Large Agents have operational plans and resources in place to manage migration volumes. 3. Suppliers have commercial contingencies in place to manage performance issues of Large Agents (SRO activity once validating supplier plans)
R536	There is a risk that the SCR on charging methodology does not provide sufficient time for MHHS to prepare for M11	C at 16, I at 15, T at 7	No change	1. Work closely with ESO to resolve the issue and consider making changes to the CUSC to ensure that an appropriate charging methodology is in place for migration 2. CR0032 DAG approved for implementation in IR7 incl. pseudo Measurement Class mapping 3. Continue to work with ESO and Ofgem Network Charging Lead to ensure any workaround is reflected in Transmission Charging
R560	There is a risk that a small number of data services will be contracted to most SIT suppliers, limiting ability of that service to deliver Migration volumes to forecasted plan	C at 16, I at 11, T at 10	New Item	1. Non-functional requirement testing to be considered for data services (volume testing) 2. Suppliers contract with other data services if there are any issues highlighted by data services themselves, or by NFR testing (Mitigation1)
R718	There is a risk that there may not be enough DBT2 assurance in place before M10	C/I at 19, T at 4	No change	1. MHHS have presented some options to the IPA to provide a level of assurance 2. Action with IPA to consider DBT2 assurance for Suppliers, LDSOs and ESO
R677	There is a risk that performance testing of the Migration functionality within MPRS identifies an issue that cannot be resolved in time for SIT and non-SIT LDSO Non-Functional Testing	C/I at 20, T at 7	No change	1. SCS planning to undertake testing in/by end of Jan 2024 to confirm that MPRS can comply with the planned Migration volumes allocated to DNOs 2. Relaxation of the 60-minute SLA for LDSOs to process all migration messages during the migration period was approved 20-Nov-23 TMAG with the approval of the Migration Thresholds Document.

Risk Score Assessment scale: Critical (30 29 28 27 26 25) | High (24 23 22 21 20 19 18 17) | Medium (16 15 14 13 12 11 10 9) | Low (8 7 6 5 4 3 2 1)

Items can be raised to the Programme RAID log using the RAID input form. Please refer to the Programme Digital PMO (DPMO) to see Programme risks in more detail

MHHS PROGRAMME
Industry-led, Elexon facilitated

Document Classification: Public

Key
- I — Initial Score
- C — Current Score
- T — Target Score

Risk theme 3: Risks to Qualification success

Theme	Summary	Mitigation Approach Overview	RAG Status	
Risks to Qualification Success	Code Bodies are accountable for Qualification for all relevant PPs. Industry participants have raised a risk that there has been a lack of clarity on the approach and plan to deliver Qualification for non-SIT LDSOs, Suppliers and Agents.	• PSG presentation on high level Qualification roles and responsibilities from BSCCo with supporting plan for non-SIT LDSO Qualification Testing from MHHSP and supporting plan for Supplier and Agent Qualification Testing. • Ongoing collaboration between MHHSP and Code Bodies and industry to develop Qualification material through QWG • Next version of Qualification Approach and Plan due for consultation in January with support LDSO qualification testing approach. Supplier & Agent qualification testing approach development.	**Previous RAG**	**Amber (17 risks)**
			Current RAG	**Amber (15 risks)**

Key Risks

Risk/Issue ID	Risk Description	Risk Score Assessment (Critical 30–25 / High 24–17 / Medium 16–9 / Low 8–1)	Current score movement since last PSG	Mitigation Plan
R653	There is a risk that the Programme cannot mobilise test environments and test harnesses in time to support non-SIT LDSO Qualification Testing	C at 16, I at 11, T at 3	No change	1. Programme to draft non-SIT LDSO QT and Code Bodies to draft Supplier and Agent QT environment & test harness requirements by end Dec 2023 2. Engagement with Programme Sims & Ems team to prepare for IA v. requirements 3. Discussions to be had with other impacted parties for environments (e.g. DIP, Helix)
R542	There is a risk that Qualification allows Suppliers (who don't intend to supply UMS) to not test UMS functionality, causing a potential risk that MMHSP can't test E2E UMS processes	I at 15, C at 12, T at 6	New item	1. Qualification Bodies (BSCCo) confirmed that there is no subset of market segments for Qualification - all suppliers will have to do test for all market segments, therefore this will be able to be tested in SIT and will be needed for Qualification 2. FTIG request sent , 2 SIT Suppliers will be exercising UMS functionality.
R525	There is a risk that Suppliers with large portfolios of MPANs could be allocated to later qualification waves because of the 'first come first served' approach or drop out of SIT into later Qualification waves, which would not leave enough time to migrate a large portfolio before the M15 deadline	I at 15, C at 13, T at 6	No change	1. Legal advice from Elexon has been clear that the allocation of Programme Participants to waves cannot be influenced by portfolio size 2. Any incentive regime for Migration will be a matter for Ofgem not the Programme 3. Capacity within Migration plan is set to enable large suppliers in final waves to migrate in time, as discussed at TMAG 20/9 resulting in reduction of probability 4. Qualification waves and associated processes presented by Code Bodies to QWG 27/11/23. There is increased flexibility built into wave approach.
R332	There is a risk that Suppliers may require maximum amount of time to complete their DBT, resulting in backlog in final waves of Qualification	C at 15, I at 11, T at 8	No change	1. RA3 Stats showing most PPs not declaring a date for later waves; Monitor Pre Qualification submissions 2. Ongoing tracking of suppliers' delivery plans and progress through bilaterals 3. Qualification waves and associated processes presented by Code Bodies to QWG 27/11/23. There is increased flexibility built into wave approach.
R509	There is a risk that the content of SIT and Qualification aren't aligned due to changes identified during the development of Qualification deliverables after the SIT deliverables are approved	I and C at 13/12, T at 6	No change	1. Programme to continue to work closely with Code Bodies through the development of SIT and Qualification deliverables to ensure alignment of scope
R695	There is a risk that Code Bodies will not be ready to complete Supplier and Agent Qualification in time for waves (time)	C at 15, I at 11, T at 5	No change	1. MHHSP, Elexon and RECCo agreed R&R at a high level in PSG presentation 2. Code Bodies have presented supporting plan and updated QA&P and lower level approach are being developed 3. Additional resource being added at Elexon 4. Need to develop a clearer idea of what Code Body success criteria will look like

Key

I	Initial Score
C	Current Score
T	Target Score

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Items can be raised to the Programme RAID log using the RAID input form. Please refer to the Programme Digital PMO (DPMO) to see Programme risks in more detail

Change Request Status

Ref.	Key Detail	Change Raiser(s)	Change Type	Latest Action	Approval Status	Current Stage in Change Control	Action *If approved*	Implementation date/milestone	Change Owner(s) *If approved*
CR032	Change to Interface MHHS-IF-165 P0210 TUoS Reporting	Andrew Dudkowsky, National Grid ESO	Full Impact Assessment	Approved by DAG (13-Dec-23)	**Approved**	Implementation	Programme to agree testing timelines with Change Raiser	IR7 (Jan-24)	Paul Pettitt and Lee Cox, MHHS Programme
CR033	Remove ELEX REP-005 and include LLF details as part of ISD catalogues	Rashmi Radhakrishnan, HELIX WP3	DIN	Issued to DIN Log by Change Board (24-Oct-23)	**Issued to DIN Log**	Issued to DIN Log	-		Paul Pettitt, MHHS Programme
CR034	Delay to Elexon Level 3 validation response – NFR (1009)	Nigel Rees, Elexon	Full Impact Assessment	Approved by DAG (13-Dec-23)	**Approved**	Implementation	Implement in IR7	IR7 (Jan-24)	Paul Pettitt, MHHS Programme
CR035	Programme proposal to restructure TMAG in the MHHS Governance Framework and other housekeeping updates	Amy Clayton, MHHS Programme	Full Impact Assessment (Expedited)	Approved by PSG (06-Dec-23)	**Approved**	Implementation	Appoint constituency reps and schedule meetings (PMO)	Jan-24	Lewis Hall, MHHS Programme
CR036	Use of Clock Midnight for Appointments and Reads	Matt Hall, MHHS Programme	Full Impact Assessment (Expedited)	Approved by DAG (13-Dec-23)	**Approved**	Implementation	Schedule eDRG to review redlining Ensure PPs can meet IR7	IR7 (Jan-24)	Paul Pettitt, MHHS Programme
CR037	Migration Message Processing Choreography Update	Sean Tuffy, MHHS Programme	Full Impact Assessment	Issued by TMAG for Impact Assessment (response deadline 11-Jan-24)	**Open**	Impact Assessment			John Wiggins, MHHS Programme
CR038	Amendments to the MHHS Change Board Terms of Reference	Immy Syms, MHHS Programme	Housekeeping	Approved by Change Board (19-Dec-23)	**Approved**	Complete			Lewis Hall, MHHS Programme
CR039	Registration Service IF-40 Change	Daniel Tadecicco, St Clements Services	Full Impact Assessment	Validated by Change Board (19-Dec-23)	**Open**	Awaiting DAG approval for Impact Assessment (10-Jan-24)			Paul Pettitt, MHHS Programme
CR040	Change to NFR E2E1009 for DNO and iDNO roles	David Yeoman, UKPN	TBC	Change Request submitted to PMO (17-Dec-23)	**Open**	Awaiting Change Board validation (03-Jan-24)			Paul Pettitt, MHHS Programme
CR041	Change the format of Market Participant Code from Char(1) to Char(2)	Colin Berry, Elexon	Full Impact Assessment	Validated by Change Board (19-Dec-23)	**Open**	Awaiting DAG approval for Impact Assessment (10-Jan-24)			Paul Pettitt, MHHS Programme

This slide captures Change Requests raised in the last three months. A full record of all MHHS Change Requests can be found on the Change Control page of the Collaboration Base

SIT Stage Statuses (as of 03-Jan-24)

On track per programme plan	Expected to meet programme plan if risk mitigation is successful	Unlikely to comply with programme plan

Test Stage	RAG	Comment	
CIT	(amber)	**Overall** Test execution commenced: 31-Oct Intervals 1,2,3 and 4 in formal testing • Int 1 – Helix nearing completion, final 2 defects left to resolve • Int 2 - Both Adaptor Services executed all tests. BUUK has 2 outstanding failures, SSEN 4 outstanding failures • Int 3 – **2 PPs Test Complete,** 4 PPs in CIT and progressing well. All other PPs concluding Smoke Testing • Int 4 – **2 PPs Test Complete**, 1 PP in CIT, All other PPs concluding Smoke Testing • Secondary Routing – CIT Scope reduction communicated to PPs. Additional Secondary Routing testing being planned Test Approach (plus associated Test Data) Approach and Plans: Approved @TMAG 19-Jul Test Scenarios: Approved @ at eTMAG 30-Aug Test cases: Plan to deliver in 3 Batches agreed through Governance: • Batch 1 (CIT Interval 1&2): TMAG Approved 29-Sep – Approved • Batch 2 (CIT Interval 3&4): TMAG Approved 06-Nov – Approved • **Batch 3 (CIT Interval 5&6): TMAG Approved 20-Dec – Approved**	**Interval 1 – DIP** PIT Execution – CIT Commenced 31-Oct DIP Onboarding + Connectivity Testing: Interval 1 – Complete Interval 2 – Complete Interval 3 – 1 x PP Onboarding, 2 x PPs in Smoke Testing, 4 x PPs in CIT, 2 x PPs Test Complete Interval 4 – 2 x PPs Onboarding, 2 x PPs in Smoke Testing, 1 x PP in CIT, 2 x PPs Test Complete Interval 5 – 11 x PPs Onboarding, 3 x PP ready to start Smoke Testing Interval 6 – 3 x PPs Onboarding, 1 x PP ready to start Smoke Testing **Interval 1 – Helix** CIT Commenced 01-Nov All Tests Progressed, nearing completion, final 2 defects left to resolve **Interval 2 – St Clements** Both BUUK and SSE in CIT. All tests executed, BUUK has 2 outstanding failures, SSEN 4 outstanding failures **Interval 3-6** Interval 3 – 4 x PPs in CIT, 2 x PPs Test Complete Interval 4 – All PIT Documentation Received and under review. All Test Completion reviews complete. 1 x PP in CIT, 2 x PPs Test Complete Interval 5 – All PIT Documentation Received and under review. All Test Completion reviews complete. 4 x PP ready to start Smoke Testing Interval 6 – All PIT Documentation Received and under review. All Approach & Plan reviews complete. 4 x PPs Onboarding
Functional	(amber)	Test execution commences: 11-Mar-24 Test Approach (plus associated Test Data) Approach and Plans: Approved @TMAG 16-Aug Test Scenarios and Test Cases, revised delivery approach SITWG agreed, also approved at TMAG on 23-Oct-23 Test Scenarios and Test Cases – Themes 1-5 planned Approved at Dec TMAG, Themes 6,7&9 planned for Jan TMAG Approval, Settlement Tests planned for Feb TMAG Approval	
Migration	(green)	Test execution commences: 10-Jun-24 Test Approach (plus associated Test Data) Approach and Plans: Approved Dec TMAG Test Scenarios & Test Cases: Delivery plans to be shared and agreed, forecast approval March 24 Note – Migration Design complete and follows existing Business Processes with relevant deviations to enact migration. Migration Testing will therefore follow SIT Functional Testing with relevant deviations	
Non-Functional	(green)	Test execution commences: 02-Sep-24 Test Approach (plus associated Test Data) Approach and Plans: Planned – Industry Consultation 25-Jan, TMAG Approval 20-Mar Test Scenarios & Test Cases: Delivery plans to be shared and agreed, forecast approval May 24 Note – Non-Functional Requirements allocation across PIT and SIT to be socialized in September NFTWG.	
Operational	(green)	Test execution commences: 07-Oct-24 Test Approach (plus associated Test Data) Approach and Plans: Planned – Industry Consultation 21-Mar, TMAG Approval 15-May Test Scenarios & Test Cases: Delivery plans to be shared and agreed, forecast approval July 24	

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SIT – MVC Status (as of 03-Jan-24)

Ready	Expected to be ready
Expected to be ready if risk mitigation is successful	Unlikely to be ready

Core Capability Providers (CCPs)	CIT Start Status	Comment	SIT F Start Status	Comment
Elexon (Helix)	Int 1	CIT commenced 01-Nov IFs and PUBs being successfully sent and received with DIP All Tests Progressed, nearing completion, final 2 defects left to resolve		Helix are flagging risk around the scale of develop of development needed for IR5.1, particularly DAH and ability to complete development by SIT functional start. On-going dialogue with Helix to review options to meet SIT F timescales
DIP	Int 1	IR2.1 PIT – completed with excellent stats. Final review of Test Completion and Work-Off Plan in progress Supporting CIT Interval 1,2 and 3 testing Supporting DIP Onboarding for all remaining PPs		Programme and DIP Provider managing a number SIT Functional readiness risks
St Clements	Int 2	Interval 2 started		Readiness for SIT Functional (IR5) also on track at this point but continued little contingency – hence RAG continues as Amber
	Int 6	Sprints 3-5 on track for CIT Interval 6 albeit with little contingency		
RECCo	Int 6	DBT plans for EES are on track to be ready for CIT Interval 6 as planned		On track
DCC	N/A	No DCC participation in CIT.		MDR, CSS changes and capacity upgrades on track.
ElectraLink	N/A	No ElectraLink participation in CIT.		Delivery plan for the changes to the DTN Flows for SIT F agreed
LDP (SI)	All Ints	**T2-TE-0250 work-off plan – completed** CIT Test execution commenced **Other activities are progressing:** CIT Test cases - 1st batch (intervals 1 & 2) and 2nd batch (intervals 3 & 4) approved , 3rd batch (intervals 5 & 6) on track for 20 Dec Approval Secondary Routing – CIT Scope reduction communicated to PPs. Additional Secondary Routing testing being planned		Approach and plan approved. Test scenarios and phased test cases being approved in themes at TMAG (Dec 23 - Feb 24) DIP simulators uplifted for IR3-5.1 DINs 3 Nov 23

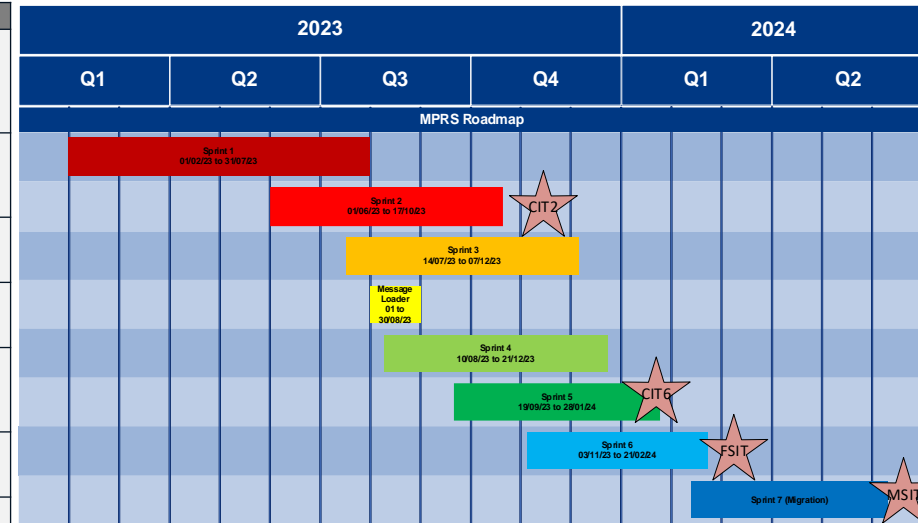| SIT Participants Constituency	Number of PPs confirmed for SIT (FTIG attendees)	Market Roles	Number of Market Roles required for SIT MVC	Number of Market Roles confirmed for SIT	Names of Participants (RAG – Green = confirmed, Black = TBC)
Supplier / Independent Agent	17	Advanced Data Services	2	10	Callisto, Energy Assets ,IMServ, Itron, Kraken Data Services, npower Business Solutions, Procode, SMS, Stark, TMA
		Smart Data Services	2	8	Callisto, Energy Assets, IMServ, Kraken Data Services, Procode, SMS, Stark, TMA
		Metering Services Advanced	2	11	British Gas, Callisto, EdF, Energy Assets, E.ON UK Energy Solutions, IMServ, npower Business Solutions, Octopus Energy Services, SMS, Stark, Utilita
		Metering Services Smart	2	11	British Gas, Callisto, EdF, Energy Assets, E.ON UK Energy Solutions, IMServ, Octopus Energy Services, OVO, SMS, Stark, Utilita
		UMSDS	2	2	Power Data Associates, Tym Huckin Ltd
		HHDC	1	1	Callisto
		HHMOp	1	2	Callisto, npower Business Solutions
		NHHDC	1	1	Callisto
		NHHMOp	1	2	Callisto, E.ON UK Energy Solutions
Large, Medium, Small, I&C Supplier	8	Suppliers	2	8	British Gas, E, Edgware, E.ON Next, Octopus, Rebel Energy, Unify Energy, Utilita
DNO, iDNO, LDSO	2	Network Operations	1	2	BUUK, SSEN
		UMSO	1	2	BUUK, SSEN
Managed Service Providers	8		n/a	n/a	C&C, ENSEK,, ESG, Kraken, SeaGlass, Utiliteam, Procode, Wheatley
National Grid (ESO)	1		1	1	National Grid (ESO)

MHHS PROGRAMME
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Report Date: 19-12-2023

Core capability provider
St Clements

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress this Month:
- PIT for CIT test Scenarios & Requirements Traceability Matrix delivered for Interval 6
- Commenced CIT interval 2 execution
- Completed CIT interval 2 via C&C Group adapter
- Preparation for PIT interval 6 started
- Commenced testing of Sprint 4
- Continued to work with the MHHS design team to resolve the design issues and discrepancies between the interface catalogue and swagger
- Partial review of SIT Test Cases/Scenarios

Progress expected in the coming month:
- Commence testing of Sprint 5
- Complete CIT interval 2 testing activity via Electralink adapter
- Deliver test readiness report for PIT for CIT Interval 6
- Start PIT test execution CIT interval 6
- Deliver PIT for Functional SIT approach
- Continue working DIs into MPRS design
- Work with the MHHS design team to resolve Design issues and discrepancies between the interface catalogue and swagger
- Partial review of SIT Test Cases/Scenarios

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
MPRS ready for start of CIT interval 2	06-11-23	09-11-23
MPRS ready for start of CIT interval 6	22-01-24	22-01-24
MPRS ready for start of functional SIT	14-02-24	14-02-24

Risk or Issue & RAG	Mitigating or resolving action required	Date to be resolved	Action owner
STCI11 - The significant overrun of CIT interval 2 testing impacting subsequent test phases	The programme has reduced the scope of CIT tests but this does not address the time lost which has been 'borrowed' from future test phases (CIT interval 6/functional SIT). The programme must consider the parties having to commit significantly more time than planned and its impact on future programme milestones. Ever increasing demands on participants cannot continue without adjusting the programme timelines.	31/12/2023	Programme
STCR18 - The programme plan is challenging and SCS has been consistent in its feedback to the programme. There is insufficient time to complete the testing of all functionality to the normal SCS quality standards to meet the entry points for CIT and functional SIT	St Clements is focused on delivering the functionality that is required, for when it is required by concentrating on the testing required to meet the programme timelines. 'Full' testing will be completed later in the programme.	Q1 2024	St Clements
STCR14 - There is a risk that BAU issues divert resource from MHHS programme (such as FS changes)	Ongoing Faster Switching issues diverting resource from MHHS activities to resolving BAU issues. Forced to tolerate and manage. The Programme to recognise that BAU may be higher priority than MHHS	Ongoing	St Clements
STCR15 - There is a risk that programme governance / engagement diverts resource from delivery activities	Restricting SCS participation in programme meetings will help to mitigate. We will look to meet programme assurance/documentation requirements but the programme to consider minimum required. SCS focus is on MPRS delivery	01 October 2024	St Clements
STCR23 – With Programme artefacts being delivered late there is a risk that there is insufficient time to review/develop MPRS without impacting delivery timescales	Programme to consider staggering delivery of Programme artefacts requiring review. Artefacts need to be delivered on time with sufficient time allowed to review. For example, with the late delivery of SIT test cases, the MPRS team does not have the capacity to dedicate time to review activity without impacting delivery and testing activities	Q4 2023	Programme
STCR35 - There is a risk that there are no registration service reports defined within the MHHS design and changes/new reports will be required.	Contact with both Elexon and Ofgem. Information on the existing MPRS mandatory reports forwarded. Any MPRS report development required can only take place after the migration code has been delivered if MPRS delivery into programme test phases is to be unaffected.	31 January 2024	Programme
STCR44 - There is a risk that PUB-040 (Annual Consumption) in MPRS will not be addressed. If it is not required in MPRS there will be significant benefits for MPRS development and DNOs operationally	DAG to decide whether to progress with CR	15 January 2024	Programme
STCR45 - With the functional SIT testing requirements so far undefined there is a risk that there is a misalignment between programme and St Clements expectations	The programme has not provided any guidance as to the experience to be expected for executing Functional SIT. Suitable levels of resource may not be available to support Functional SIT.	15 January 2024	Programme

Assumption & RAG	Action required to remove assumption	Date to be resolved	Action Owner
MPRS high level plan broadly remains the same following detailed IA	Detailed IAs for later sprints to be completed	Through to last sprint	SCS
Scope of MPRS development does not extend	Scope change (eg data cut/data cleanse/CRs) to impact milestones. Prevent scope change and consider delaying when functionality is required for testing	28 February 2024	Programme
Programme governance/assurance does not impact MPRS delivery activities	Light touch and targeted approach	31 December 2023	Programme

Dependency & RAG	Managing action required	Date to be resolved	Action Owner
Dependency on Programme to confirm decisions on above	Prompt responses and decisions required	ASAP	Programme

Gantt chart — MPRS Roadmap:
2023 (Q1, Q2, Q3, Q4) / 2024 (Q1, Q2)
- Sprint 1: 01/02/23 to 31/07/23
- Sprint 2: 01/06/23 to 17/10/23
- CIT 2
- Sprint 3: 14/07/23 to 07/12/23
- Message Loader 01 to 30/08/23
- Sprint 4: 10/08/23 to 21/12/23
- Sprint 5: 19/09/23 to 28/01/24
- CIT 6
- Sprint 6: 03/11/23 to 21/02/24
- FSIT
- Sprint 7 (Migration)
- MSIT

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MHHS - Monthly Delivery Report (DCC)

Core capability provider *DCC*

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

REC
- R0044 Systems Integrated testing completed
- R0093 – discussions with RECCo on vehicle for actual uplift of capacity outside of R0093

SEC
- MP162 (MDR Role) Systems Integrated testing completed end of October, UIT Prep is in flight, on track for Dec start

Capacity
- MHHS Capacity uplift commercial negotiations are in progress to ensure value for money capability is provided.

New Requirements
- 1st Immersion Day held with follow up actions and meetings planned through to Feb.
- UIT-B Environment Connectivity (DSP – CSS) established in preparation for E2E SIT Testing
- Test Scenarios/Scripts & Data Requirements reviewed with Elexon Test Teams
- Data Cleanse Plan review to understand potential impacts of data cleanse activities being done by DNOs, with Comms to be underpinned by DCWG.

Progress expected in the coming month:

- **REC -** Complete R0044 SIT testing, new Change to Capacity to be raised
- **SEC -** Initiate MP162 UIT testing
- **Capacity –** Planning due to complete Jan 24, to support 2024 delivery of uplift
- Baselined plan for implementation of Test Data inputs & SIT Preparation
- R0093 re-planning
- Completion of Planning activities to underpin support for SIT starting in March and baseline plan.
- Board Paper Approval obtained in Dec23 for DCC Costs for New Requirements for SIT testing support, following which Budget will go to from Amber to Green status.
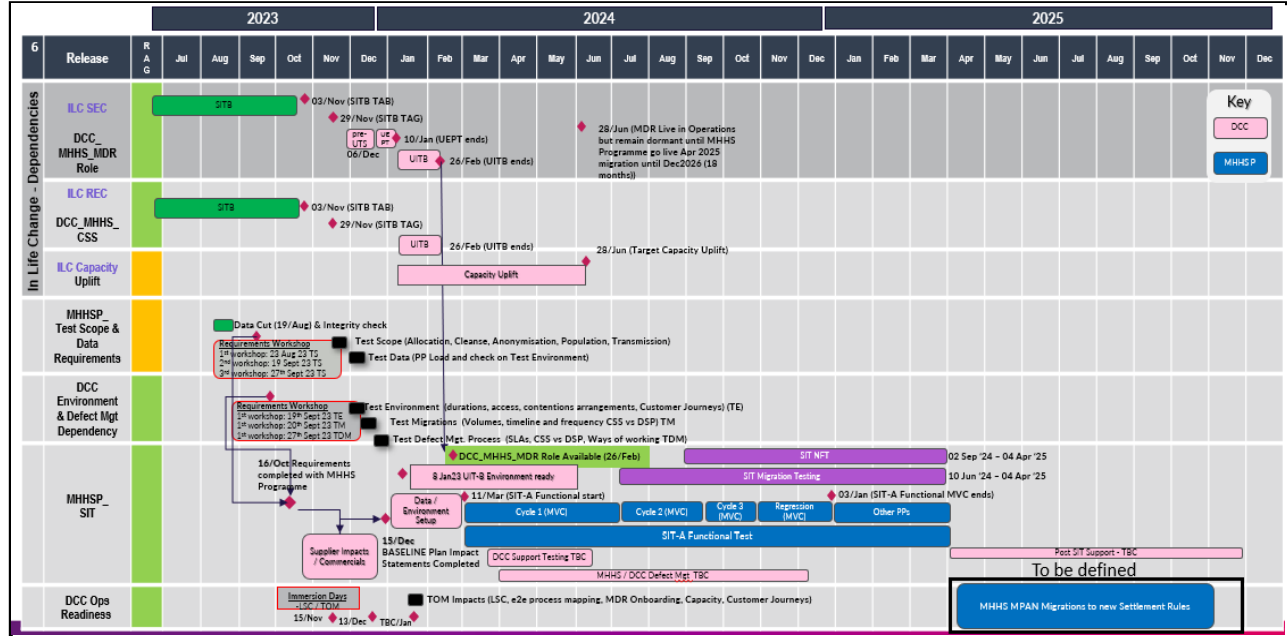- Confirmation of Test Data & Evidence Requirements
- Website to be launched

Party Milestones & Deliverables	Original or ~~Baseline~~ Date	Forecast date & RAG
Ofgem approval	25-10-22	28-11-22
MHHS SIT Start	11-03-24	11-03-24
MP162 Go-LIVE	27-06-24	27-06-24
R0044	27-06-24	27-06-24
Capacity Uplift	June 24/25	June 24/25
R0093	2025	April 2025

Decisions required	From whom?	By when?
None	n/a	n/a

Top Risks and or Issues (See detail on page 2)

R0093 (CR4990) – agreement with RECCO to workup new change for actual capacity uplift

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
Given DCC unique position in delivering through SEC Modification, DCC and the MHHSP will be able to align on how Defect Management requirements will apply	Defect Mgt presented to TAG Nov & agreed	Completed	DCC/MHHSP
Tests to Meters will start in SIT Cycle 2	Confirmation of scheduling of tests to cycles	Jan 23	MHHSP

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
Awaiting details around the meter sets to be used in SIT Functional Testing	MPANs provided	Completed	MHHSP
Clarification on proposed changes to SIT Functional Test Cases & Scenarios, following deep dive sessions	Clarifications in progress and resulting changes have been published, but ongoing. Further deep dive sessions planned. Final Theme (9 of 9) still to be published.	31 Jan '24	MHHSP

Change requests supporting MHHS	Descriptions	Completion date	Action owner	Status
IN PROGRESS: PR7806 (DSP), PR7822, (CSS) (MHHS Test Data Upload)	Define and set up SIT data for CSS & DSP as well as MPANs for meter sets in end-to-end testing with DSP	Jan '24	DCC/Service Providers	SoW in progress
IN PROGRESS: PR7809 SIT Support (DCC as Participant) (Combined with PR7772)	Provision of support for SIT Testing to provide required evidence of DSP/CSS participation, support E2E SIT Defect Management, & support meters used in DCC testing	2024/2025	DCC/Service Providers	Open
IN PROGRESS: PR7771 (For Data Cleanse)	Support the Data Cleansing requirements as specified by Elexon to support the Migration activities planned for 2025	2024/2025	DCC/Service Providers/MHHSP	SoW in progress
IN PROGRESS: PR7760 (MHHS Programme Engagement)	To address the definition of the new requirements for DCC Service Providers to allow them to estimate the duration/costs to support – UPDATED with Support Requirements for ongoing programme delivery	Dec '23	DCC/Service Providers	SoW in progress
IN PROGRESS: CR4813 (DCC CR that supports the SEC Modification MP162)	Creation of the new MDR role within the DSP systems and progressed by DCC and its Service Providers through Design, Design Assurance, Build, PIT, DCC SIT, User End Processing Testing (UEPT) and Testing Participant User Integration testing	09/02/24	DCC/Service Providers	Open
IN PROGRESS: R0044 (CSS to DSP Interface changes)	Updating of existing interface with additional MDR data fields to support the new role and allow agent appointments to be made and support the change of supplier/agent Industry process. This will be testing across SIT/UIT.	09/02/24	DCC/Service Providers	Open
IN PROGRESS: CR4879/CR5815 (Capacity)	Infrastructure and Capacity uplift to support the increased network traffic modelled to allow the MDR Service Requests to be processed within SLA and ensure the Service to End Users is maintained	2024/2025	DCC/Service Providers	Open
IN PROGRESS: R0097 (Consequential change for CSS MDR appointments)	ERDS change asking them to make changes at their end to be ready to use the new 'tick box' when they want a message confirmation.	2025	RECCo	Closed – Incorporated in R0044
IN PROGRESS: R0093 (Uplift to CSS Max demand volumes during MHHS migration period)	Ensuring there is sufficient capacity across the CSS systems to support the increase in Service Requests pertaining to the new MDR role. Currently with RECCo for final clarification of scope.	2025	RECCo	Open

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Change requests supporting MHHS	Descriptions	Completion date	Action owner	Status
PRxxxx DSP Migration Capacity	Any additional capacity required to cope with peak-of-peak migration threshold	Jan '24	DCC/Service Providers	To Be Raised
PRxxxx DCC Operational Support for Migration	Potential Hypercare during early phase (c. 3 months) of migration to ensure success	Jan '24	DCC/Service Providers	To Be Raised

COMPLETED: PR7742 (DCC PR that supports the Data Backup requirement)	Data backup and retention of both CSS (Faster Switching) and DSP (SMETS) data to support the Elexon SIT Functional testing stage	19/08/23	DCC/Service Providers	Complete
COMPLETED: PR7788 (MHHS SIT Preparation – CSS-DSP Connectivity)	Work required to re-configure both CSS and DSP components in UIT-B to connect to each other rather than the simulators.	Dec '23	DCC/Service Providers	SoW in signed

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Ref.	Risk	Probability	Mitigation	Owner	Area
1	There is contention in the use of DCC UIT-B Test Environment for MHHS Programme Testing.	Low	Segregate MHHS Programme testing from other UIT-B testing through allocation of MPANs.	DCC	Environment
2	'Peak-of-peak' migration volume occurs when DCC hypercare has been stood down.	Low	Request the MHHS Programme to attempt to include a 'peak-of-peak' migration day during the 3 months of hypercare.	MHHS Programme	Migrations
3	Defects raised against DCC systems in SIT prior to June 2024 are not resolved in timescales requested by MHHS Programme.	Low	Reasonable Endeavours basis for Defect Management agreed with the MHHS Programme. Detailed processes to be defined.	MHHS / DCC Programme	Defect Management
4	Defects raised against DCC systems post June 2024 will be handled through Production governance which may not be fast enough for MHHS Programme.	Low	Majority of SIT Functional Testing takes place in Cycle 1 which completes early July 2024. Any defects remaining after standard PIT, SIT, Pre-UIT and UIT testing should arise prior to release into Production.	MHHS / DCC Programme	Defect Management
5	CSS volume uplifts need to be performance tested based on accurate Migration Plan to allow DCC to maintain Service Level agreements	Medium	Re-sequence R0093 REC Change to allow that performance testing to be included and reflect that approach in the code itself	DCC / RECCo	Environments/ Infrastructure
6	Slower engagement from MHHS Programme Testing Team delays preparation for SIT	Medium	Priority call on key resource agreed with MHHSP 21/11	MHHS Programme	SIT Func Testing
7	MPANs chosen for SIT Migration Testing are not included in the PR7822 load of 10,000 MPANs, resulting in the need to perform another CSS test data load and, thus, incurring additional cost to the industry	Medium	MHHS Testing Team to either confirm that the MPANs to be used in SIT Migration Testing will be taken from the PR7822 10,000	MHHS Programme	SIT Migr Testing
8	As a result of the Trilliant code defects being found in their Production codebase, there is a risk to the availability milestone as expected by Elexon	Medium	Risk assess accepting the codebase as it stands on UIT-B and inform testing participants of the issue as the fix is analysed and applied.	DCC	Environment
9	As the SIT FT schedule is still to be finalised, DCC will resource its Test Support on the basis of assumptions to ensure that sufficient resources are assigned to run & evidence tests involving DCC. There is therefore a risk that this may be over-resourced.	Medium	Continue to work with MHHSP Test Team to refine assumptions, and put in place commercial arrangements which allow the level of resource to be reduced if required.	DCC	Test Support

PROGRAMME
Industry-led, Elexon facilitated

MHHS - Monthly Delivery Report (RECCo)

Report Date: 21-12-23

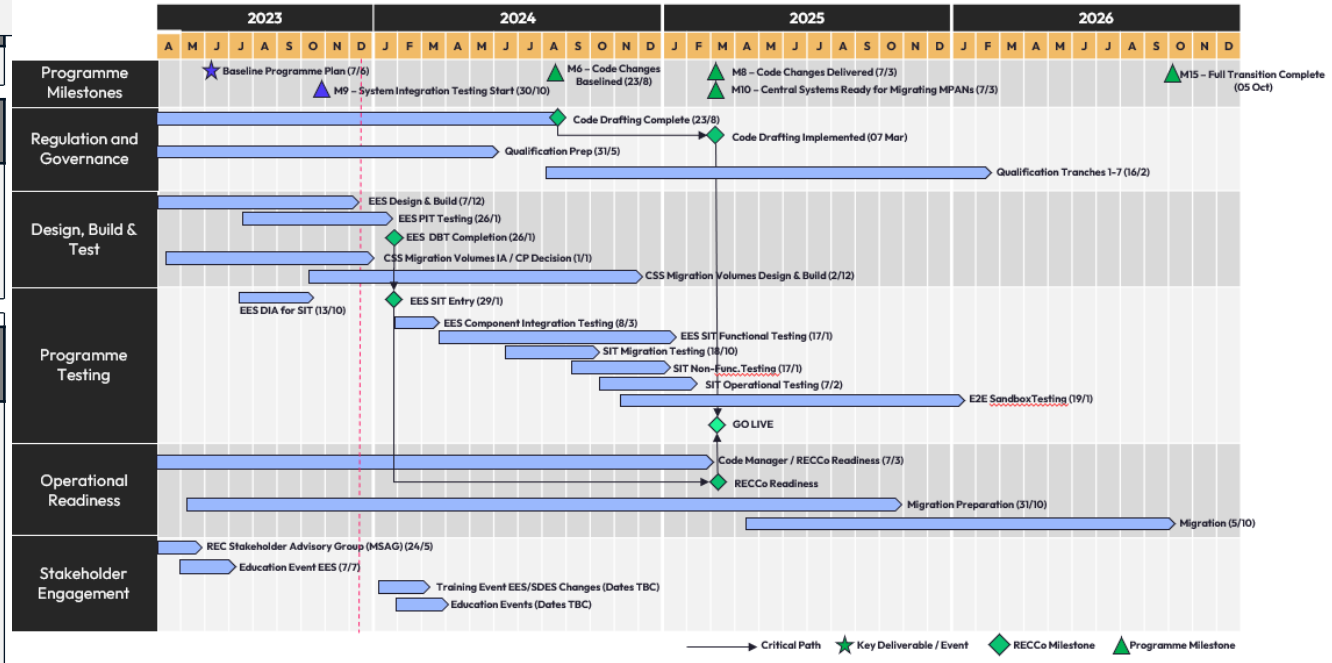| RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- EES build & test continues according to plan. DIP onboarding in progress.
- EES Functional PIT of core build complete with a small number of work-off items.
- PIT for Component Integration signed off by the Programme.
- EES Ancillary Design Complete.
- Reviewed MHHS Qualification POAPs for SIT parties, non-SIT LDSOs and non-SIT Suppliers and Agents at QWGs to build confidence on plan. Positive steps made to agree detailed RASCI between Code Bodies and Programme. Path to green RAG status expected through continued lower-level planning.
- Code Drafting on track. Transition and Interface industry assurance comments triaged (no major issues). Mop-Up code drafting in progress.

Progress expected in the coming month:

- Complete DIP onboarding, complete Functional PIT Work-off plan, release 5 regression testing and PIT for the Ancillary build.
- Begin SIT CIT Phase of MHHS Testing.
- Code Drafting Tranche 4 (Transition and Interface) to be submitted to CDWG and CCAG for approval.
- Publish Pre-Qualification Submission Template for non-SIT Supplier and Agents. Publish QA&P v2. Review draft QAD questions at Jan QWG. Review non-SIT LDSO Placing Reliance submissions

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
Registration Code Drafting	23/08/2023	
Qualification Assessment Doc v0.1 published	29/11/2023	March 24
EES Core Build Complete	04/08/2023	
EES Ancillary Design Complete	05/09/2023	
EES Ancillary Build Complete	26/10/2023	
Qualification Approach & Plan v0.2 published	29/11/2023	March 24
Gov/Qual, Interface/Data, Migration Code Drafting –	13/11/2023	

None

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Programme does not provide expected / required UIT environment to support Qualification Testing	Ongoing discussion with Programme and Elexon to confirm provision of test environment and test data to support Qualification.	Jan'24	Andrew Wallace

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
Programme SIT Artefacts for provision of equivalent Qualification documents, providing clarity on roles & responsibilities and confirming any additional qualification requirements that Code Bodies need to undertake for SIT parties.	Programme recently pushed back date for finalising SIT Functional Test Scenarios/Cases. RECCo requesting early sight of these and RTTM. Documenting risk for Qualification if further delays including SIT Migration, NF and Operational.	Feb'24	Andrew Wallace

Industry-led, Elexon facilitated

Document Classification: Public

2023 / 24

| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | July | Aug | Sep |

Programme Milestones
- ▲ M9 – System Integration Testing Start (30 Oct)

Regs/Gov Code Drafting
- ◆ Governance & Qualification (13/11)
- ◆ Interface / Data Specification (24/1)
- ◆ Migration (13/11)
- ◆ Transition Text (24/1)
- ◆ Final Code Drafting - Mop-up (13/5)
- ▷ Final Code Review (23/8)

Regs/Gov Qualification
- ▷ Qualification Approach & Plan (30/8)
- ▷ MEM/Supplier/DNO Assessment Criteria Outline (27/2)
- ◆ Qualification Execution Requirements CR (27/10)
- ▷ Non-SIT LDSO Test Preparation
- ▷ Non-SIT LDSO Test Execution

Design, Build & Test
- ◆ Design Complete ◆ EES Design / Build (Ancillary) (7/12)
- ▷ EES PIT Execution (Core) (6/12)
- ▷ EES PIT Execution (Ancillary) (26/1)
- ◆ EES DBT Completion (26/1)
- ▷ CSS – CM Assessment / CP Decision (1/1)
- ▷ CSS Design & Build (2/12)

Programme Testing
- ▷ SIT A Connectivity Testing / Data Load (5/1)
- ◆ EES CIT Entry (29/1)
- ◆ EES CIT Exit (8/3)

Operational Readiness
- ▷ Performance Assurance CAT 2 (PARC) – (31/1/25)
- ▷ Performance Assurance CAT 3 (9/9)
- ▷ Qualification & Testing CAT 3 (11/6)

Stakeholder Engagement
- ▷ Training Event – EES / SDES Changes (Dates TBC)
- ▷ Education Event – Qualification Preparation (Dates TBC)
- ▷ Education Event – Completed Code Drafting (4/4)
- ▷ Education Event – Internal Code Manager Training (18/3)

★ Key Deliverable / Event ◆ RECCo Milestone ▲ Programme Milestone

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Core capability provider *DIP*

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

CIT Support
Continued to support onboarding and progress of testing for all intervals with defect triage and remediation as required

SIT Support & Change Backlog
• Supporting Market Participants via surgery calls or 1:1 sessions
• Weekly releases into SIT to address open defects reported in CIT
• Completed Data Load into SIT for CIT intervals 4, 5 & 6
• Delivered Interim Release 2.3 for SIT testing
• Closed changes for DIP connection Providers and DIP Hierarchy delivered as part of onboarding changes for CIT
• Progressed design for '1 User for Multiple MP Orgs'
• Reviewed further iterations of MPAN state rules (up to v0.9)
• Finalised scope for Functional SIT release for 9th February

Progress expected in the coming month:

Overall (CIT): continue to support onboarding and progress of testing for all CIT intervals with ongoing defect triage and remediation as required

SIT Support & Change Backlog
• Supporting Market Participants via surgery calls or 1:1 sessions
• Further weekly releases into SIT where necessary with defect fixes
• Review programme CRs against interim release effort estimates
• Begin work on implementing user profile CR (#22373)
• Introduce status message configuration end point as a part of interim release 5.1 implementation
• Proceed with development of agreed items for MPAN addressing for Functional SIT
• Test preparation and commence execution of PIT testing of Functional SIT release

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
DIP 4b – Final build (Provisional)	01/03/24	09/02/24
Functional SIT Start	11/03/24	11/03/24
DIP 5 – Migration / Transition	20/09/24	21/02/25
DIP 6 – Hypercare	20/09/24	21/03/25

Decisions required	From whom?	By when?
None	n/a	n/a

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
CIT support delays in defect triage impacting test progress	•Monitor L1 process (ongoing) •Feedback to programme SI test team on process gaps & Monitor performance moving forward •Ensure reporting reflects actual obligation	19/01/2024	Richard Gwatkin (Paul Daniels)
MPAN Addressing – further iterations of requirements impacting solution scope and delivery plan for Functional SIT	•Communicate outcome of review of scope for the Functional SIT build to LDP •Finalise test planning for Functional SIT build	12/01/2024	Richard Gwatkin (Paul Daniels)

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
Data Load Required for Functional SIT – no load required as industry flows will be used to 'seed' the DIP	•Revalidate assumption with SI Test Team •Review capacity implications if requirement changes	12/01/2024	

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner

DIP Release for Functional SIT (DBT) – Plan on a Page (Revised Scope)

MHHS - Monthly Delivery Report (Helix)

Report Date: 03-01-24

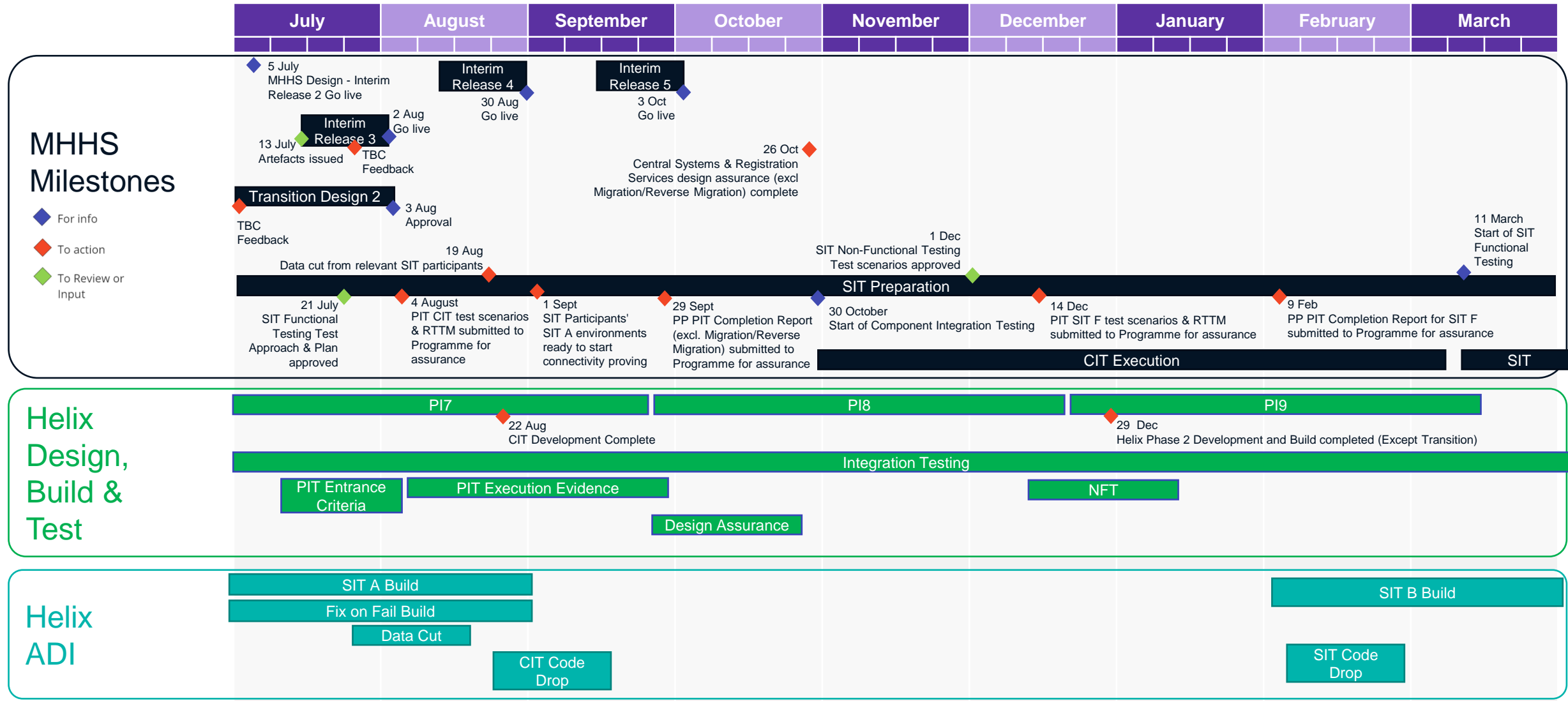| RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- Helix Leadership team restructure materially complete, with addition of two work stream leads to cover product development and operations and service.
- Helix CIT has progressed to 83%. There are 5 remaining test scenarios to complete which are awaiting a fix to the DIP from Avenade.
- PI8 successfully completed and release 8.6 has now been progressed through integration test in preparation for SIT Functional testing in March.
- KPMG Augmentation of Qualification Resource in place. Initial onboarding of specialist technical testing team.
- Work stream shaping sessions on end-to-end service and MHHS transitioning planning held by Helix and MHHS Leads.

Progress expected in the coming month:

- Complete CIT (depending on fixes being made available by DIP team).
- Progress release 8.6 for SIT Functional through integration testing.
- End to end project delivery plan to be prepared and shared with MHHS.
- Outline approach for end-to-end testing and go live preparation.
- Clarity on resource approach for meeting all requirements of Qualification and PAF, as well as overall strategy document to be completed.
- Initial plan for transition of MHHS and overall approach for migration to be prepared.

Party Milestones & Deliverables	Plan Date	Forecast date & RAG
Delivery phase ends (DBT End) – for CIT IR2	29/09/23	Complete
Industry phase starts (CIT Starts)	30/10/23	Complete
Helix Test Plan provided to MHHS for review	08/12/23	Complete
Code drop for SIT based on IR5.2.(Release 5.8)	22/12/23	Complete
Complete integration test of Release 8.6 ahead of SIT preparation	10/01/24	In Progress
PIT completion report of SIT	9/02/24	Not started
Target Release of 8.6 to SIT functional environment.	13/02/24	Not started
Target second code release for SIT (with additional functionality	TBC	Not started
SIT functional phase1 ends	28/06/24	Not started
Release for SIT functional phase 2 deployed	01/07/24	Not started

RAID and RAG	Type	Mitigating or resolving action required	Date to be resolved\updated
If further changes impact on the scope of Helix, they may impact on SIT preparation and will drive further cost into the programme.	Risk	Recognition that Helix has a materially complete code base with due consideration given to avoidance of refactoring of this code base within future change requests. Reduced the severity of this risk due to the change freeze being introduced by MHHSP.	Ongoing
CIT testing currently blocked by several issues with the DIP sending inbound messages to Helix.	Issue	Defects have been raised by MHHS team, assigned to Avanade with fixes being progressed - A further update to swagger has now been implemented requiring additional work for Helix – In Progress	Ongoing
Interface changes released in IR 5.1 and 5.2 has caused some items to slip from PI8 and this will require a later release to SIT Functional.	Issue	The interface changes released in IR 5.1 and 5.2 have increased the amount of work required from Helix, some functionality has been moved out of Pi8 to accommodate this and will not be available for the start of SIT functional. A formal acknowledgement of this is being discussed.	5/1/24
If the transition plans for go-live of Helix and transition of MHHS are not advanced urgently there is a risk that this phase will not run smoothly.	Risk	Additional leadership roles added to Helix team. First draft of Transition plan to be prepared in January 2024, with support from MHHS Transition Lead.	31/1/24
There is a risk that all aspects of PAF an Qualification readiness are not completed to plan.	Risk	Resource augmentation by KPMG in place for overall Qualification process. On-boarding of specialised HH testing team to be progressed in January 2024.	31/1/24
It is assumed the alternative SLAs provided by Helix for defect fixing during testing will be accepted.	Assumption	This is still being discussed with the MHHSP test team. Additional scenarios have been provided and a release schedule has been proposed by MHHSP.	30/11/23

MHHS PROGRAMME
Industry-led, Elexon facilitated

Path to Functional Systems Integration Testing (SIT)

July	August	September	October	November	December	January	February	March

MHHS Milestones

Legend:
- ◆ For info (blue)
- ◆ To action (red)
- ◆ To Review or Input (green)

5 July — MHHS Design - Interim Release 2 Go live

13 July — Artefacts issued

Interim Release 3 — TBC Feedback

2 Aug Go live

Interim Release 4 — 30 Aug Go live

Interim Release 5 — 3 Oct Go live

26 Oct — Central Systems & Registration Services design assurance (excl Migration/Reverse Migration) complete

Transition Design 2 — TBC Feedback

3 Aug Approval

19 Aug — Data cut from relevant SIT participants

1 Dec — SIT Non-Functional Testing Test scenarios approved

11 March — Start of SIT Functional Testing

21 July — SIT Functional Testing Test Approach & Plan approved

4 August — PIT CIT test scenarios & RTTM submitted to Programme for assurance

1 Sept — SIT Participants' SIT A environments ready to start connectivity proving

29 Sept — PP PIT Completion Report (excl. Migration/Reverse Migration) submitted to Programme for assurance

30 October — Start of Component Integration Testing

14 Dec — PIT SIT F test scenarios & RTTM submitted to Programme for assurance

9 Feb — PP PIT Completion Report for SIT F submitted to Programme for assurance

SIT Preparation

CIT Execution

SIT

Helix Design, Build & Test

PI7

22 Aug — CIT Development Complete

PI8

PI9

29 Dec — Helix Phase 2 Development and Build completed (Except Transition)

Integration Testing

- PIT Entrance Criteria
- PIT Execution Evidence
- Design Assurance
- NFT

Helix ADI

- SIT A Build
- Fix on Fail Build
- Data Cut
- CIT Code Drop
- SIT B Build
- SIT Code Drop

MHHS - Monthly Delivery Report (ElectraLink)

Report Date: 03-01-24

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status Update

ElectraLink updates for January PSG:

- The MHHS programme has identified the need for a set of data flow changes and additions for SIT.
- ElectraLink have engaged with the Programme and REC Technology Services and agreed next steps for SIT
- Continued collaboration with MHHS Programme and teams engaged via participating in working groups such as SITWG, FITG, S&T, DAG, DWG and fortnightly sessions with the programme and Webinars.

Milestones and Deliverables:

- No milestone or specific deliverables have been identified.
- There are no specific deliverables to be reported.

Decisions required	From whom?	By when?
Testing flags to be used by the Programme to be finalised	Programme and ElectraLink	DTN testing start (tbc @ Dec SITWG)

RAID	Mitigating or resolving action required	Date for action to be resolved	Action owner

Dependencies	Managing action required	Date for action to be resolved	Action Owner
The MHHS Programme requires a new data flows, and there is a dependency on REC to create the DTC for SIT	REC have updates the Catalogue via existing Industry Processes. EL are working to test the data catalogue, with the Programme to understand how we can support.	Jan-24	**MHHS Programme**

Document Classification: Public

MHHS PROGRAMME
Industry-led, Elexon facilitated

RAGs	Overall	Approach	Plan	Resources	Budget	Risk

Status & Outlook

Activities reported as progressed in November-:

SSEN (as MVC for SIT)
- PIT Test Completion Reports for CIT submitted for Networks Ops & UMSO.
- Successfully SENT messages to the DIP via the EL Adapter. Ongoing issues with RECEIPT of messages from the DIP. Issue is with Avanade to resolve.
- ADQM & LOCUS for CIT releases successfully installed.
- Continuing bi-laterals with other DNO's re Placing Reliance
- Progress use of MPRS API code in ADQM development for SIT Functional.

General DNO Comments
- DBT1 – Systems development progressed.
- Development - Configuration/ Testing with DIP Simulator.
- Progressed on Data cleanse activities.
- Qualification Testing scope / Placing Reliance Form clarifications.
- Impact analysis of Programme/ industry changes – CR036, CP1589,
- Programme artefacts reviews: SIT Test scenarios/ cases (themes 1-5,7,9), M15 Migration acceptance criteria, Code of Connection changes.
- Attended various Programme meeting with MHHS, St-Clements, Adapter DNO forum.
- Raised new CR re NFR E2E1009 on behalf of all DNOs and IDNOs.

Activities reported as expected to progress December:

SSEN (as MVC for SIT)
- Process for Durabill in SIT under discussion. Agreed there will be an 'x' release being delivered before Xmas, This release will be used for connectivity proving
- For interval 5 testing SSEN is on-boarded
- Complete UMSO testing send and receiving messages to and from the DIP for CIT
- Investigation into SIT functional connectivity requirements between SCS and SSEN i.e. DTN/DB flows etc.
- Complete placing reliance for HYDE using SOUT as example

General DNO Comments
- DBT1 – Continue Systems Build, Internal Testing/ PIT Test scenario preparation & reviews.
- Configure/ Test DIP Simulator for development/ PIT (without adapter).
- Progress on Data Cleanse activities as per plan (DEL1181).
- Placing Reliance document submission & reviews.
- Continue to attend various MHHS Programme meetings/ working groups.
- Impact analysis of industry change requests related to MHHS.
- Programme artefacts reviews – Qualification Testing Approach & Plan.

Decisions to be made by DNOs	Impact of no decision	Decision by when?
DNOs to consider whether to sign off on C&C use of MPRS API code for use in ADQM API delivery. ADQM = C&C Network Ops solution	Slow down delivery of ADQM for SIT Functional. Could impede delivery of SIT Functional testing	On-going
Placing Reliance Approach	Failure to qualify – Not able to submit the placing reliance in time for code manager.	Jan 2024

Decisions required from the 'Ann	Impact of no decision	Decision by when?
Placing Reliance for Network Operations & UMSO. Decision required whether this can be covered under Placing Reliance or if DNO's are operating so differently in these areas as to invalidate any testing by SSEN / BU UK	DNO's will not be able to place reliance on SIT testing & could be hit with late requests to complete additional Network Operations . UMSO testing within the Non-SIT LDSO test window.	15/12/2023
Clarify Qualification Testing process for non-SIT LDSOs for Registration Services, Networks Operations, & UMSO roles.	Unable to properly plan testing and then failure to qualify – Not able to submit the placing reliance document in time for code manager.	ASAP
Extension of placing reliance form submission deadline (It was suggested to extend this date by a week in the December QWG)	Incomplete submission/ Not able to submit the placing reliance in time.	ASAP
Test data requirements for non-SIT LDSO Qualification Testing.	Failure to qualify – Data inconsistency between different applications and rejection of messages causing validation failures.	Q1 2024
Need clarity on involvement of 3rd party adapter services provider in performing SIT Non-Functional and Operational testing on behalf of DNOs.	Failure to qualify – unable to validate non-functional and operational requirements.	ASAP
Need decision on validation/ testing of DUoS Settlement process prior to the migration. Linked to CR019 decision – define scope of testing/evidence for proving central systems (data services / load shaping)	Accuracy of Billing/ settlement for LDSOs are not proven for the new settlement arrangements. Risk to DNO recovery of DUoS charges if central systems do not fully provide consumption data	ASAP
CR019 – define scope of testing/evidence for proving central systems (data services / load shaping)	Risk to DNO recovery of DUoS charges if central systems do not fully provide consumption data	15/05/2024

Escalations (priority items for attention and support from the Programme+)	Action by when?
Clarification of non-SIT LDSO/ Qualification testing requirements	ASAP
Decisions on outstanding DIN Log items, CRs, Design Queries and Non-SIT LDSO and timelines and data requirements for Qualification - as above. IF19 & 20 association management (imports/ exports)	ASAP

Risks or Issues	Impacts	Opportunities to resolve and deliver as soon as possible
Test data required from SI data team for LDSO/UMSO to allow end to end connectivity proving from the DIP	Unable to complete CIIT Readiness testing for interval 5. SI data team are too busy to send the test data currently.	Issue has been escalated to programme team awaiting response
Potential impacts on DNO budgets due to new change requests.	Require additional funding allocation.	Clarify scope (DBT, SIT, environment) and secure funding
Potential impact on DNO budgets dependant on Environment requirement and timescales.	Potential under-recording of DNO cost impacts in the Programme benefits	Require firm commitments on requirements for Environment requirements for Non-SIT LDSO testing.
Delayed delivery of the QAD (Qualification Assessment Document).	Not enough time for parties to provide response in preparation for QT.	Provide early visibility of the content of QAD in QWG.
Availability of core software products (MPRS, UMSO, etc.) to support Non-SIT LDSO PIT and Qualification Testing is unclear.	Unable for non-SIT participants to complete PIT in readiness for QT.	Provide a product delivery plan for the non-SIT LDSOs to complete the PIT.
Central systems (data services/load shaping) do not provide 100% coverage of consumption data to LDSO's	DNO's unable to fully recover DUoS charges.	CR019 decision
Non-SIT LDSO Qualification Testing requirements and approach remain unclear	Ability of DNO's to qualify and commence migration (M10)	Programme to publish approach and requirements
NFR E2E1009 6s response for L4 validation cannot be achieved by DNO systems	Non Functional Testing	New CR – programme approval

DNO Key Milestones (in Round 3 plan)	Round 3 date & confidence level / RAG	Reasons for confidence levels
For those intending to participate in Systems Integration Testing (SIT) - SSEN		
SIT (Functional) start	27-Feb-24 1 Medium confidence	• SCS to carry out on behalf of SSEN for Registration Services. • But challenge raised re Placing Reliance on Networks Operations & UMSO SIT Testing. To be resolved.
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs	07-Mar-25 1 Medium confidence	• Further outcomes of testing success required from SIT Functional before being 100% confident re migration testing. • Proposed Migration volumes are still not proven by any empirical testing
For those intending to participate in non-SIT LDSO (qualification) testing		
Non-SIT LDSOs testing start (Functional / Migration / NFT / Ops)	02-Jul-24 5 Medium confidence	• Lack of detail regarding non-SIT LDSO Qualification Testing requirements and approach
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs	07-Mar-25 5 Medium confidence	• Lack of detail regarding non-SIT LDSO Qualification Testing requirements and approach

DNO Adaptor status		
Decision to use an adaptor	Functional scope of adaptor agreed	Adaptor procurement completed
Yes **6**	Wider **6**	6 Complete

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RAGs	Overall	Approach	Plan	Resources	Budget	Risk

Status & Outlook

Activities reported as progressed in December:

- Progressed IDNO SIT activity.
- Progressed IDNO SIT and Non-SIT Qualification requirements by liaising with Code Bodies and the Programme.
- Monitored progress of LDSO DINs and CRs.
- Continued Data Preparation requirements activity.
- Progressed Placing Reliance Statement.
- Progressed changes to our DTN Gatekeeper systems.
- Engaged with the Programme, SI, Avanade, IPA, C&C Group and SCS to progress CIT defects.
- Bilaterals with PMO/REC to discuss placing reliance and QT.

Activities reported as expected to progress in January:

- Ongoing readiness for SIT preparation, including working around DIP defects.
- Continued review of draft Code changes.
- Continued monitoring of LDSO DINs progress and review CRs.
- Continue to undertake data cleanse and preparation requirements.
- Continue to identify Programme impacts to current BAU processes.
- Continue to progress our DTN Gatekeeper environment.

Decisions to be made by IDNOs

Decisions to be made by IDNOs	Impacts of no decision	Decision by when?

Decisions required from the programme

Decisions required from the programme	Impact of no decision	Decision by when?
Regarding CR036, the Programme needs to decide on implementation – currently schedule for IR7 but St Clements unable to implement prior to IR8.	Will have significant impact on delivery in to SIT migration.	ASAP

Escalations (priority items for attention and support from the programme)

Escalations (priority items for attention and support from the programme)	Action by when?
Clearer messaging on CIT progress.	SI/Avanade

Risks or Issues

Risks or Issues	Impacts	Opportunities to resolve and deliver as soon as possible
There is a risk that Programme decisions/design assurance may not be robust enough. Eg, For Avanade to not deliver secondary routing for CIT.	Additional resource requirements and delays in SIT progress could impact Programme delivery.	Thorough and robust decision making and design assurance.
There is a risk that Qualification requirements might challenge delivery.	Additional qualification requirements may threaten other areas of delivery.	Code Bodies identify what requirements there are for Qualification.
Continued changes to Design	IDNOs unable to complete build	Continued engagement with Programme to determine design
Based on recent data augmentation activity taking longer than the... is a risk ...impact	This could impact achieving subsequent testing and general Programme milestones.	Consider future data augmentation activities and attempt to assess the time required to undertake the activity. Potentially, begin the activity sooner, if necessary.

IDNO Key Milestones

IDNO Key Milestones (in Round 3 plan)	Round 3 date & confidence level / RAG	Reasons for confidence levels
For those intending to participate in Systems Integration Testing (SIT)		
M9 - SIT CIT start	30-Oct-23 [1] High confidence [ ] Medium confidence [ ] Low confidence	Progress for M9 is positive.
SIT (Functional) start	27-Feb-24 [ ] High confidence [2] Medium confidence [ ] Low confidence	We are currently unsure how SIT Functional might be impacted by the current DIP onboarding, particularly the configuration of certain role codes, and secondary routing issues, and the delays and additional resource that they have caused. The quality of SIT Functional entry could be negatively impacted.
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs	07-Mar-25 [1] High confidence [M] Medium confidence [ ] Low confidence	Progress for M10 looks positive but still some preparation to undertake.
For those intending to participate in non-SIT LDSO (qualification) testing		
Non-SIT LDSOs testing start (Functional / Migration / NFT / Ops)	02-Jul-24 [1] High confidence [2] Medium confidence [1] Low confidence	To gain high confidence we will work with our software provider to prepare our testing plan. We would hope to be in a position to start non-SIT LDSO testing on time. However, it has been apparent from discussions on qualification that there remains areas for the Programme to clarify and provide more detail of what is expected. This may result in timescales being pushed out but we will continue to engage with the Programme. (1 IDNO)
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs	07-Mar-25 [ ] High confidence [2] Medium confidence [1] Low confidence	To gain high confidence we will work with our software provider to prepare our testing plan. We would hope to be in a position to support migration start in a timely manner. However, this will be caveated by the actions taken by the Programme and any prior steps being completed on time

IDNO Adaptor status

Decision to use an adaptor		Functional scope of adaptor agreed		Adaptor procurement completed
Yes [5]	No [0]	MPRS only [0]	Wider [3]	[3]

MHHS PROGRAMME
Industry-led, Elexon facilitated

Document Classification: Public

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Overarching Costs for MHHS Central Parties FY 23/24

Financial Measure	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Totals (£m)
	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	
MHHS Budget	1.39	1.6	1.61	1.7	1.51	1.56	1.55	1.47	1.46	1.55	1.4	5.25*	22.05
MHHS Actual/Forecast	1.68	1.88	1.94	1.82	1.51	1.75	1.83	1.68	1.46	1.56	2.18	2.76	22.05
DCC Budget		4.65			4.65			4.65			4.65		18.60
DCC Act/Forecast**	1.39	0.70	0.33	0.45	0.55	1.44	1.14	0.28	0.94	1.80	0.82	8.77	18.60
Helix Budget	2.40	2.40	2.40	2.40	2.40	2.40	2.40	2.40	1.80	2.40	2.40	2.40	28.20
Helix Act/Forecast	1.89	2.18	2.29	2.02	2.28	2.20	2.36	2.40	1.80	2.40	2.40	2.40	26.62
RECCo Budget	0.24	0.15	0.17	0.15	0.18	0.17	0.40	0.22	0.24	0.38	0.24	0.26	2.85
RECCo Act/Forecast	0.12	0.03	0.05	0.03	0.03	0.04	0.02	0.29	0.24	0.38	0.24	0.26	1.73
Total Budget	5.58	5.70	5.73	5.80	5.64	5.68	5.90	5.64	5.05	5.88	5.59	9.46	71.65
Total Act/Forecast	5.08	4.79	4.61	4.32	4.37	5.43	5.35	4.65	4.20	5.76	5.40	14.19	69.01

Please note:
- *MHHS: * = includes contingency.*
- *RECCo: include only 3rd party costs (does not include internal resources)*

- *** Note from DCC: Increase from Nov 2023 reflects MDR, Capacity and new Elexon Requirements. Actuals row reflects commitment from DCC to it's Service Providers to more accurately show the spread of expenditure over the period. This is a better view which is dependent upon the contractual processes DCC has with it's Service Providers. The Column 'Apr 23' includes all costs up to & including Apr 23, and column 'Mar-24' includes all costs from Mar 24 onwards, to include the full costs of the delivery*

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Workstream	Progress	Next steps		
		What	**Owner**	**By When**
Design	Design queries • The volume of outstanding calls remains low. • Average response time in December for closed tickets remains at approx.' 1wd • Interim Release have been reduced in cadence to align with testing releases, IR7 now 31-Jan-24 IR8 3-Apr-24 • 862 items recorded on the DIN log with >569 being deployed since the fast-track process started. CR036 – Clock-time / UTC • Further updates to redlining is progressing aligning the design to Clock-time, an assurance session is planned for the 12-Jan-24 with a design published as part of IR7	Continue to answer queries and monitor levels, the nature of the call is moving to testing and data related queries Interim Release 7 on schedule for release 31-Jan-24	MHHS MHHS	Ongoing 31-Jan-24
Testing	SIT volunteers – 19 Placing Reliance Proposals reviewed by Programme and Code Bodies. All review comments issued back to participants. Process complete for CIT except for one PP	Review ahead of SIT Functional	SIT volunteers	Feb-24
Testing	Testing documentation in progress/published in last month: • SIT Functional Themes 1-5 achieved 20-Dec TMAG Approval • CIT Test Cases Batch 3 (Interval 5 and 6 Participants) achieved 20-Dec TMAG Approval • SIT Migration Test Approach and Plan achieved 20-Dec TMAG Approval • SIT Migration Test Data Approach and Plan achieved 20-Dec TMAG Approval • SIT Functional Themes 6,7 and 9 completing Industry Reviews into Governance	Jan SITWG Jan TMAG	MHHS MHHS	08-Jan-24 17-Jan-24
Testing	Test Data • CIT Data successfully loaded and checked for all intervals • SIT functional Participant pairing in progress • SIT Functional Data preparation in progress	SIT Functional Participant pairing agreed and complete SIT Functional upload data to sFTP for PP's to access SIT Functional – PP's to load and check data integrity	MHHS MHHS SIT Functional PP's	12-Jan-24 26-Jan -24 09-Feb-24
Sims & Ems	Successfully delivered IR2.3 uplift to DIP Simulator on 15th December as planned Collaborated with the Qualification team to scope the initial requirements for non-MHHS Simulators	Continue scoping of non-MHHS Simulators with the Qualification team and commence work once requirements are complete Delivery of DIP Simulator Hotfixes in the lead up to SIT Functional Completion of documentation for CIT test stubs	MHHS MHHS MHHS	Jan-24 Feb-24 Jan -24
Migration & Transition	The M15 Acceptance Criteria Document was approved by TMAG on Wednesday 20 December	N/A		
Migration & Transition	Data Cleanse Working Group continues to run on a monthly basis with highlighted issues being tracked and published on the collaboration base. The First Data Cleanse contact sheet has been published on the collaboration base.	Publish Data Cleanse Contact list	MHHS	Ongoing
Migration & Transition	The Service Management Strategy is due to be published for Industry consultation in January – date TBC.	Review Feedback and bring to MCAG for approval	MHHS	TBC

Document Classification: Public

FTIG meetings

- Focus has been on CIT, but December meetings have included SIT F readiness and progress
- Recent key topics:
    - DIP onboarding improvements
    - Secondary routing reduced PP testing in CIT and additional central programme testing ahead of SIT F
- Good engagement on the above topics both in FTIG and in associated bilaterals

MHHS Programme
IPA
Avanade (DIP)
British Gas / Centrica
BUUK Infrastructure
C&C Group Holdings
Callisto
Data Communications Company (DCC)
E (Gas and Electricity) Ltd
EdF (metering services)
E.ON Next Energy Limited
E.ON UK Energy Solutions (metering services)
Edgware Energy
Electralink
Elexon Central Systems (Helix)
Energy Assets Ltd
Ensek
ESG
IMServ
Itron Metering Solutions (UK)
Kraken Data Services
Last Mile Electricity Ltd
National Grid Electricity Distribution

National Grid ESO
Npower Business Solutions
Octopus
Octopus Energy Services (metering services)
OVO (metering services)
Power Data Associates
Procode
Rebel Energy
RECCo
SeaGlass
SMS
SSEN
St Clements Services
Stark
TMA Data Management
Tym Huckin Ltd
Unify Energy
Utilita
Utiliteam
Wheatley Solutions

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Overall Status

- The Code Drafting Workstream is on track for M6 delivery in August 2024 and lower-level tier 3 milestones are all on track

December Summary

- Tranche 4, Interface/Data Specification and Transition Text assurance stage closed 13/12, ready for the approval stage
- Mop-up 1 consultation sent on time 30/11 and closes on 02/01
- Mop-up 2 consultation planning started

January Deliverables

- Tranche 4 Interface/Data Specification and Transition Text to be sent to CDWG for recommendation before approval request escalated to CCAG
- Mop-Up 1 closes on 02/01, and triage and comments process starts

Drafting Milestones	Baseline date	Forecast date	Status
Data Services approved at CCAG	24/05/23	24/05/23	Complete
Metering Services approved at CCAG	24/05/23	24/05/23	Complete
Registration approved at CCAG	23/08/23	23/08/23	Complete
BSC Central Services approved at CCAG	27/09/23	27/09/23	Complete
Governance, Migration and Qualification approved at CCAG	22/11//23	22/11/23	Complete
Transition Text and Interfaces approved at CCAG	24/01/24	24/01/24	Green
Topic Area Mop Up approved at CCAG	22/05/24	22/05/24	Green
Consequential Change approved at CCAG	22/05/24	22/05/24	Green
Finalise and consistency check approved at CCAG	23/08/24	23/08/24	Green
Code changes baselined (M6)	23/08/24	23/08/24	Green
Smart Meters Act powers enabled (M7)	11/11/24	11/11/24	Green
Code changes delivered (M8)	07/03/25	07/03/25	Green

Governance group updates

Programme Steering Group (PSG)

Updates from PSG 06 December 2023

1. **CR035 Decision:** CR035 (Programme proposal to restructure TMAG in the MHHS Governance Framework and other housekeeping updates) was approved by the MHHS Senior Responsible Owner (SRO). This change restructures the TMAG into three separate advisory groups covering SIT, Migration, and Qualification. The new groups are due to hold their first meetings in February 2024 and constituency nominations are in progress. The change also removes minutes as a meeting output for Level 2 and 3 MHHS governance groups and replaced this with an enhanced headline report.

2. **Qualification testing Updates:** Elexon and the Programme provided updates on Supplier, Agent, and LSDO qualification testing. Further information is available in the meeting papers and Headline Report.

3. **Programme Reporting:** The Programme provided updates on CIT progress, noting current challenges and the support available. SIT Functional commencement is currently tracking as amber.

4. **Change Freeze:** The Programme's approach to managing change during testing and code deployment was formalised.

PSG papers available here.

Testing and Migration Advisory Group (TMAG)

Update from TMAG 20 December 2023

1. **TMAG Restructure approved by PSG:** this was approved by PSG on 06 December.

2. **M15 Acceptance Criteria:** TMAG members approved this document.

3. **CR037:** TMAG members approved the issuing of CR037: Migration message processing choreography for impact assessment to industry.

4. **CIT Governance Milestones:** The TMAG members approved the remaining ICT interval milestones, based on the revised governance approach.

5. **SIT Migration Test Approach and Plan.** The TMAG members approved this document.

6. **SIT Migration Test Data Approach and Plan:** The TMAG members approved this document.

7. **SIT CIT Batch 3 Test Cases (Interval 5 and 6):** The TMAG members approved these test cases.

8. **SIT Functional Test Scenarios and Test Cases (Themes 1 – 5)** The TMAG members approved these themes.

9. **Release Management and Change Freeze Update.**

10. **CIT and Secondary Routing Update.**

11. **3 Month Milestone Look Ahead & Milestone Changes:** The TMAG approved milestone changes to the Programme Plan.

TMAG papers available here

Design Advisory Group (DAG)

Updates from DAG 13 December 2023

1. **CR032 Decision:** CR032 (Change to Interface IF-165 P0210 TUoS Reporting) was approved by the SRO. Updated Design Artefacts will be released in Interim Release (IR) 7 on 31 January 2024 and testing dates will be confirmed in due course.

2. **CR034 Decision:** CR034 (Delay to Elexon Level 4 validation response – NFR (1009)) was approved by the SRO. Updated Design Artefacts will be released in IR7 with testing to be undertaken in SIT Functional Cycle 2 in June 2024.

3. **CR036 Decision:** CR036 (Use of Clock Midnight for Appointments and Reads) was approved by the SRO. Design Artefact redlining was issued for review/improvement ahead of release in IR7. Participants will be required to complete design/build by 27 May 2024 ahead of SIT Functional Cycle 2 commencement on 10 June 2024.

DAG papers available here

Cross Code Advisory Group (CCAG)

Update from CCAG 20 December 2023

1. **Horizon Scanning Log:** For BSC, CP1589, CP1590 were discussed. For REC, R0043, R0062, R0064, R0093, R00150, R0117 were discussed, for DCUSA, DCP419 was discussed, for SEC, DP256 was discussed. There were no new changes that the Programme believed will impact them.

2. **CDWG Escalations:** No items raised.

3. **CCAG Reporting, Risks and Milestones:** The Programme shared an update on the Code workstreams status against the plan, including top programme risks related to CCAG, and future activities.

4. **Consequential Code Change Delivery:** Updates from Elexon and NGESO were provided in relation to their delivery status.

5. **CDWG Update:** The Programme provided an overview from CDWG.

6. **DIP Code/Rules and Issue 101:** The BSC representative provided an update on the DIP Manager issue 101 code approach and consultation.

CCAG papers available here

Wider Programme Updates

Programme News
REMINDER: Programme Change Freeze: At the PSG held **6 December 2023**, industry representatives formalised a Programme Change Freeze. The purpose of the Change Freeze is to address instability during Programme delivery, implementation and go-live that creates risk for the Programme, Code Bodies and Programme participants, by increasing the threshold for change that impacts the MHHS Programme and deferring the implementation of changes unless they are required to fix a issue with the MHHS Design. For further information, please contact PPC@mhhsprogramme.co.uk.

Interim Release and Swagger Version Alignment: The Programme has published a document containing the Interim Releases (IRs) and their corresponding Swagger Versions, including release dates, DIP Simulator uplifts, and the effective date of each IR during Systems Integration Testing (SIT).
Please visit the SIT page on the MHHS Website for more information where you can view the table containing the IRs and the Swagger Versions.
If you have any questions, please email the Testing team at Testing@mhhsprogramme.co.uk

Participant Checklist:
The Participant Checklist includes items for Programme participant review, feedback and awareness:
1. REMINDER: Placing Reliance Submission for Non-Systems Integration Testing (SIT) Licensed Distribution System Operators (LDSOs) & next steps for Non-SIT Suppliers and Agents
2. REMINDER: MHHS Impacts to Data Transfer Network (DTN) Flows Consultation
3. M15 Criteria updated/approved
4. CR038 approved by the Change Board
5. CR037 – Migration Message Processing Choreography Update Consultation
6. DIP Simulator Uplift to IR5.2
You can view the **Participant Checklist** on the respective **Planning pages** of the Collaboration Base and the MHHS website.

Upcoming Governance Meetings January 2024:
• **Monday 08 January 2024:** SIT Working Group (SITWG)
• **Wednesday 10 January 2024:** Design Advisory Group (DAG)
• **Wednesday 10 January 2024:** Programme Steering Group (PSG)
• **Thursday 11 January 2024**: Migration Working Group (MWG)
• **Monday 15 January 2024:** Environments Working Group (EWG)
• **Tuesday 16 January 2024:** Code Drafting Working Group (CDWG)
• **Tuesday 16 January 2024:** Non-Functional Testing Working Group (NFTWG)
• **Wednesday 17 January 2024:** Testing and Migration Advisory Group (TMAG)
• **Wednesday 17 January 2024:** Qualification Working Group (QWG)
• **Thursday 18 January 2024:** Data Working Group (DWG)
• **Tuesday 23 January 2024:** Cross Code Advisory Group (CCAG)
• **Thursday 25 January 2024:** Data Cleanse Working Group (DCWG)

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Testing

- The PPC Team are continuing to support the Testing Team in ensuring participants' readiness for their assigned CIT intervals and supporting across communication and engagement for CIT execution.

- We have supported the Testing Team in holding ADO User Training, Day-in-the-life (DITL) Guidance Sessions and conducting CIT Dress Rehearsals for Intervals 1 through 5.

- We have continued supporting with the coordination and publication of SIT Functional Test Scenarios and Test Cases files.

- **Next Steps:** Continued support with CIT Execution and the uplift of Test Scenarios and Test Cases to reach approval at upcoming TMAGs. We'll begin to support the Test Data team on their preparatory activities ahead of the launch of SIT Functional.

Qualification

- Post the non-SIT LDSO Placing Reliance session, the PPC team have facilitated communications including an FAQ.

- PPC team continue to work with the Programme Qualification team and the Code Bodies to develop an FAQ to support participant engagement and address participant bilateral feedback.

- PPC team continues to drive awareness of the v0.1 Pre-Qualification Submission to Non-SIT participants and assists participants with any queries in relation to the submission.

- PPC team continue to work with the Programme Qualification team and the Code Bodies to clearly define participant Qualification pathways.

- **Next Steps:** Finalise the FAQ and participant Qualification pathways to support participant engagement and address participant bilateral feedback.

Targeted and Tailored Communications

- The PPC team have identified 3 webinar topics for Q1 2024 (Placing Reliance Form, Intention to Qualify, and Migration) and planning/ preparation has started for the Open Day on 23 April 2024 which will focus on Qualification.

- Phase 2 of the Communications Channels action plan is underway to support participant's user experience on the Collaboration Base and website.

- PPC team supported cascade of internal and external communications regarding the Change Freeze.

- **Next steps:** Continue to support DIP Onboarding and CIT Readiness communications and engagement where required.
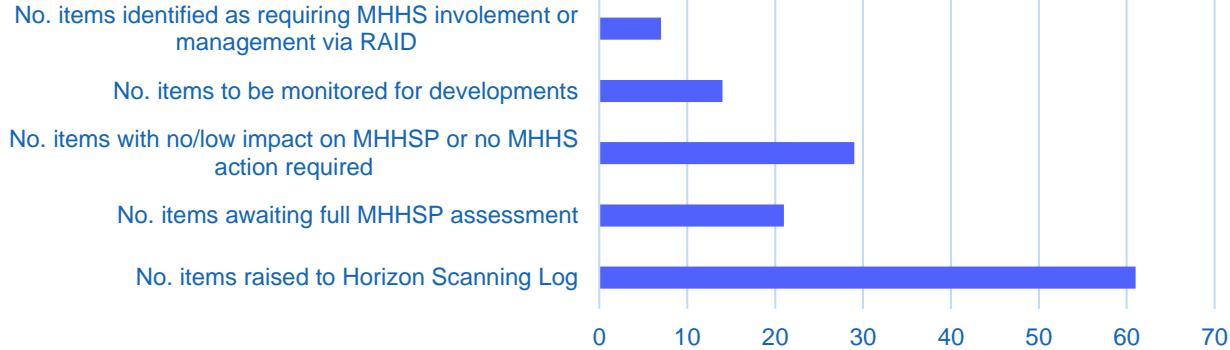
Participant Readiness

- **Next steps:** Continue to track actions following both Design and Delivery Assurance sessions.

Industry Change

Industry horizon scanning: Summarise items monitored via the Cross-Code Advisory Group (CCAG) horizon scanning process

Horizon scanning metrics

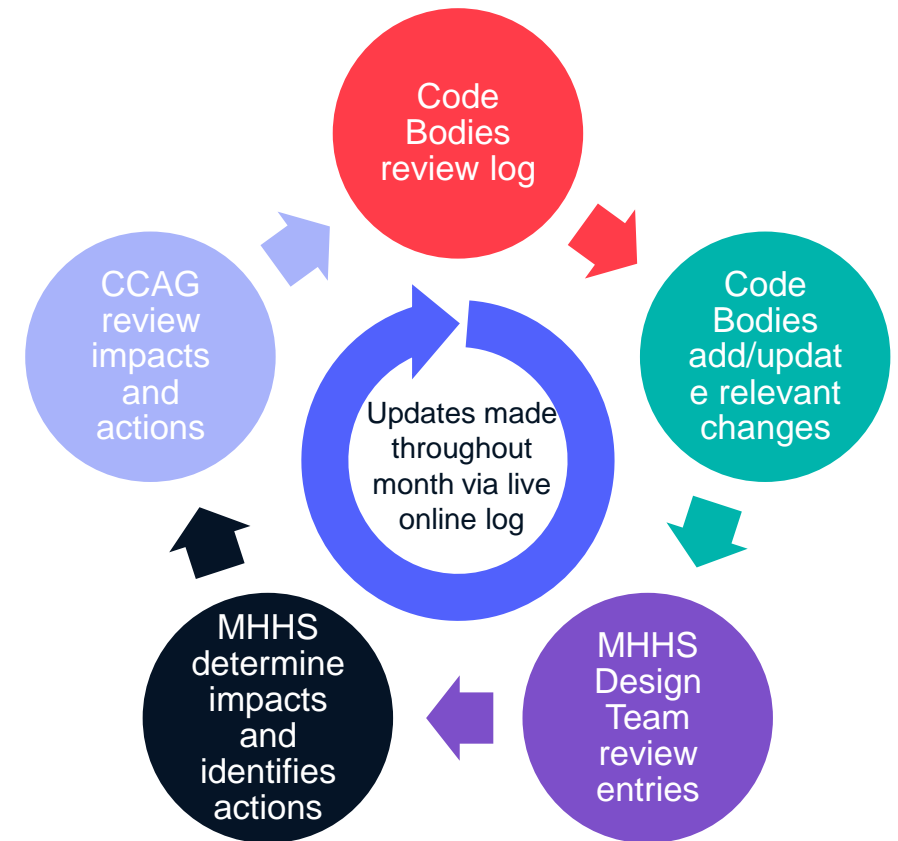The following graph summarises items being monitored via the Programme's horizon scanning process

No. items identified as requiring MHHS involement or management via RAID	
No. items to be monitored for developments	
No. items with no/low impact on MHHSP or no MHHS action required	
No. items awaiting full MHHSP assessment	
No. items raised to Horizon Scanning Log	

(bar chart with axis 0 to 70)

More information can be found via the CCAG meeting papers

Direct link: MHHS-DEL387 CCAG Code Change Horizon Scanning Log v1.0

Industry code changes: 61 – REC: 33, BSC: 12, SEC: 5, DCUSA: 10, CUSC: 1
Wider industry changes: 5 – HH opt-out, DUoS SCR, code review, microbusiness definition, licence change
Criticality of horizon scanning items – High: **4**, Medium to High: **3**, Medium: **4**, Low/No impact: **29**
Top RAID linked items:
- **SEC MP162** (R0011, R0083, R0113, R0115, R0116, R051, R0182, R0191, D0076, D0077)
- **REC R0032** (D0068, D0069)   • **REC R0044** (D0055)

Horizon Scanning Process
The CCAG collaborate to populate the Horizon Scanning Log and the Programme undertakes impact assessment of each change. Where a change requires actions by the Programme beyond simple monitoring or initial definition, this is entered into the Programme RAID framework with an appropriate action plan and owner put in place.

Code Bodies review log

Code Bodies add/update relevant changes

CCAG review impacts and actions

Updates made throughout month via live online log

MHHS Design Team review entries

MHHS determine impacts and identifies actions

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Monthly Assurance Dashboard - December 2023

pwc

Dashboard Objective: To provide PSG with a progress update on in-flight and future planned assurance activities. Assurance themes and agreed actions will be shared with PSG on a quarterly basis with specific Work Package (WP) assurance reports shared in the lead up to key milestones.

Assurance Activities in Progress / Completed during month

Theme-Based Assurance

- **Ongoing Embedded Assurance Activities (WP1)** - **In Progress** - Monthly cadence of regular interactions with MHHSP. Reviewed bilateral reports and had a discussion with PPC team around their activities and communication strategy.

- **Design Documentation (WP4)** - **In Progress** - Continued monitoring of ongoing design updates/change requests through attendance at DAG and DRG and review of supporting documentation.

Stage-Based Assurance

- **Test Assurance (WP9) "Period 3 (P3)"** - **In progress** - Ongoing assurance activities are being performed during SIT CIT and are underway. IPA have been working closely with SI team, providing real time assurance and recommendations to the Programme.

- **Qualification (WP12)** - **In Progress** - Continue to monitor progress on Qualification approach and strategy, identifying risks and recommendations were appropriate.

Upcoming Assurance Activities

- **Management of Separation Plan (WP5) -** Terms of Reference agreed with work commencing January 2024

- **Ongoing Assurance of SIT CIT (WP9/10/11) -** Assurance of updated testing approach and readiness for SIT Functional.

- **Data (WP14) -** Terms of Reference being finalised with work commencing early 2024

Assurance Action Status

Of the 127 actions agreed with the programme

- 93 are completed
- 34 are in progress
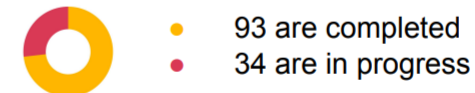
Of those in progress, four are overdue. Good progress has been made on these, but final updates and validation are required to close them:

- One relates to the version alignment of design information
- Two need detail following the update to the CIT approach
- One will be validated through the work on the Management of the Separation Plan (WP5).

Summary and Next Steps

INFORMATION: Summarise actions and decisions. Look ahead to next meeting

Chair and Secretariat

5 mins

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Document Classification: Public
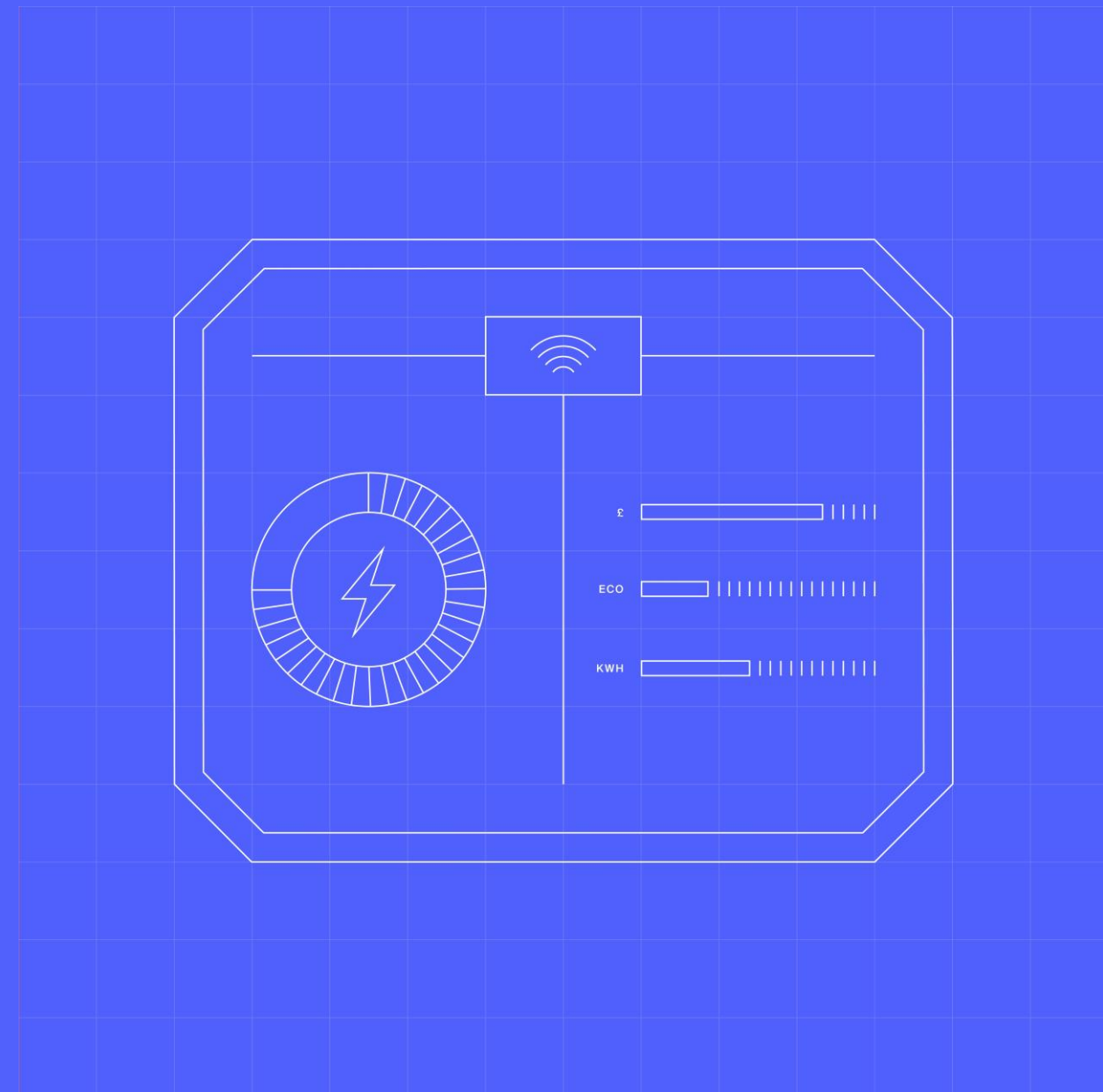
Summary and next steps

1. Confirm actions and decisions from meeting
2. Next PSG meeting: **07 February 2024 10:00 – 12:30 (virtual)**

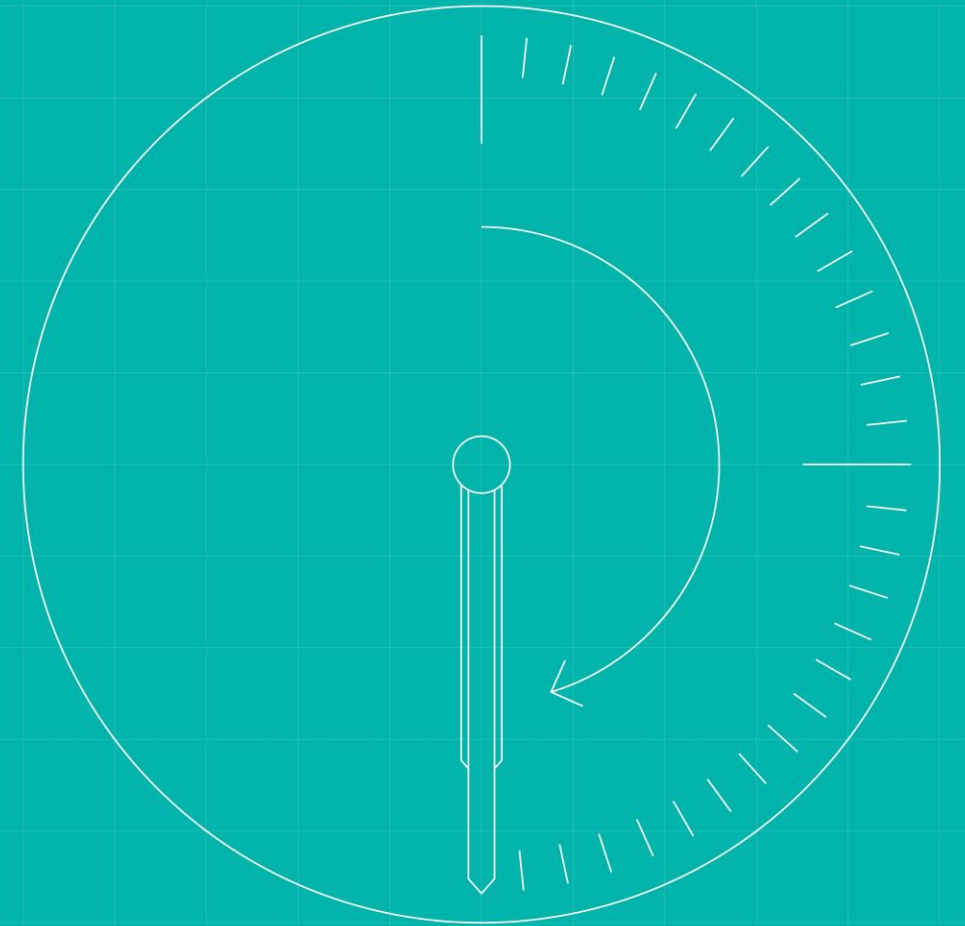| 07 February 2024 agenda items	Standing items
• Qualification Testing • Testing Updates • Migration Updates (TBC)	• Minutes and action review • Sponsor update • Programme reporting • Delivery dashboards • Summary and next steps

If you would like to propose an agenda item for the PSG, please contact the PMO at PMO@mhhsprogramme.co.uk

Thank you

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Appendix

New Advisory Groups Update

System Integration & Testing Advisory Group (SITAG)

Monthly cadence: **Third Wednesday of the month**
First Meeting: **Weds 21 Feb 2024**

Representative	Nomination received
Elexon (as central systems provider)	Yes
DCC (as smart meter central system provider)	No
RECCo	Yes
Large Supplier	TBD*
Medium Supplier	No
Small Supplier	Yes
I&C Supplier	No**
Supplier Agent	No
Supplier Agent (Independent)	Yes
DNO	Yes
iDNO	Yes
National Grid ESO	No
Consumer	No

Migration & Cutover Advisory Group (MCAG)

Monthly cadence: **Fourth Tuesday of the month**
First Meeting: **Tues 27 Feb 2024**

Representative	Nomination received
Elexon (as central systems provider)	Yes
DCC (as smart meter central system provider)	No
RECCo	Yes
Large Supplier	TBD
Medium Supplier	No
Small Supplier	No
I&C Supplier	Yes
Supplier Agent	No
Supplier Agent (Independent)	Yes
DNO	Yes
iDNO	Yes
Consumer	No
National Grid ESO	No

Qualification Advisory Group (QAG)

Monthly cadence: **Third Thursday of the month**
First Meeting: **Thurs 15 Feb 2024**

Representative	Nomination received
RECCo (Qualification Body)	Yes
BSCCo (Qualification Body)	Yes
Large Supplier	TBD
Medium Supplier	Yes
Small Supplier	No
I&C Supplier	Yes
Supplier Agent	No
Supplier Agent (Independent)	Yes (multiple nominations)
DNO	Yes
iDNO	Yes
Consumer	No

*Large Supplier Constituency has advised they will provide a single joint nomination once meeting dates are confirmed
**I&C constituency has advised they do not intend to provide a representative for SITAG owing to there being no I&C Suppliers undertaking SIT. As such, this seat will remain vacant.

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