MHHS PROGRAMME

Programme Steering Group #32
01 May 2024

Version 1.0

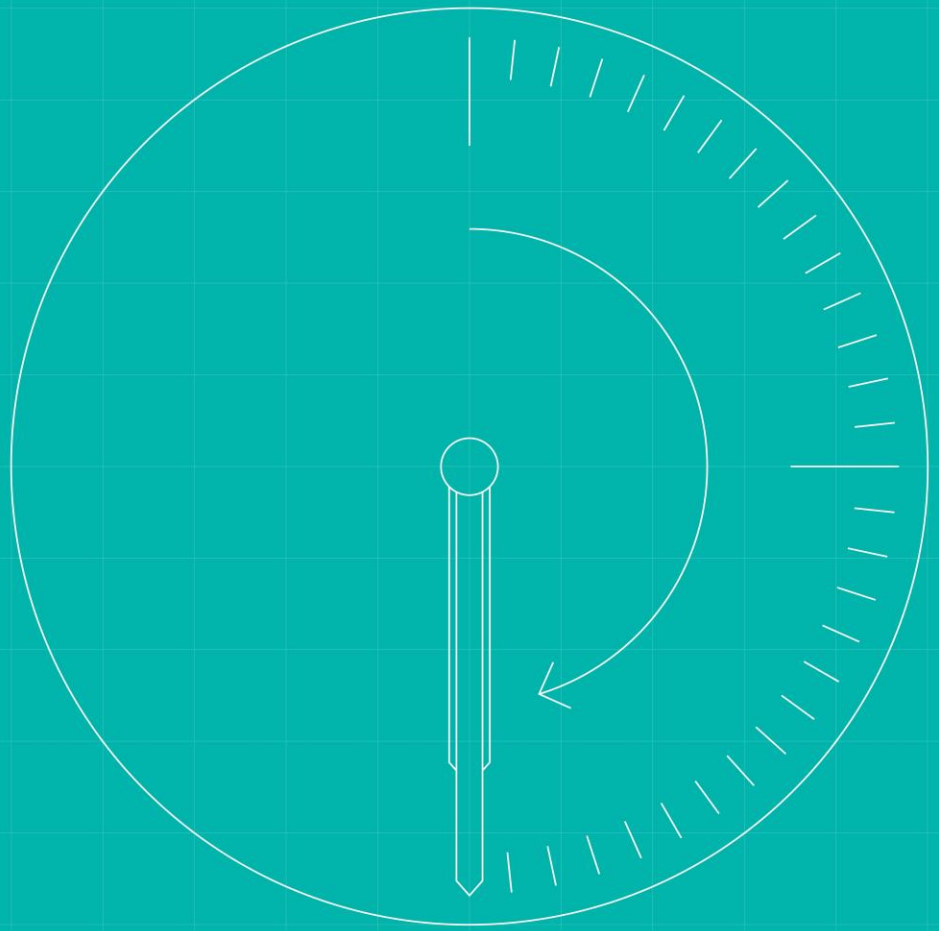
MHHS-DEL2511

Document Classification: Public

Agenda

#	Item	Objective	Type	Lead(s)	Time	Page
1	Welcome		-	Chair	10:00-10:05 *5 mins*	1
2	Headline Report and Actions	Approve headline report of previous meeting and actions review	Decision	Chair & Secretariat	10:05-10:15 *10 mins*	3
3	CR047 Ratification	Decision on ratification of CR047	Decision	Programme (PMO)	10:15-10:25 *10 mins*	5
4	CR048 Ratification	Decision on ratification of CR048	Decision	Programme (PMO)	10:25-10:35 *10 mins*	11
5	CR044 Decision	Decision on implementation following escalation from DAG	Decision	Programme (PMO)	10:35-10:45 *10 mins*	17
6	CR045 Decision	Decision on implementation following escalation from DAG	Decision	Programme (PMO)	10:45-10:55 *10 mins*	20
7	M10/M11 Cutover Governance Approach	Updates on cutover governance plan	Discussion	Programme (Matthew Breen)	10:55-11:10 *15 mins*	23
8	DBT2 (Consequential Change) Risk Assessment	IPA overview of DBT2 risk assessment	Information	IPA (Richard Shilton)	11:10-11:20 *10 mins*	28
9	Qualification Testing Updates	Updates on Qualification Testing from the Programme and Elexon	Information	Elexon (Laura Kennedy), & Programme (Nicola Farley)	11:20-11:25 *5 mins*	30
10	Migration Update	Programme updates on Migration plan and progress	Information	Programme (Warren Fulton)	11:25-11:30 *5 mins*	36
11	Programme Reporting	Updates from the Programme on System Integration Testing (SIT)	Information	Programme (Adrian Page)	11:30-11:40 *10 mins*	28
12	Delivery Dashboards	Questions from PSG members on delivery dashboard content	Information	Chair	11:40-11:55 *15 mins*	43
13	Summary and Next Steps	Summarise actions and decisions, and look ahead to next meeting	Information	Chair & Secretariat	11:55-12:00 5 mins	79
	Appendix	New Advisory Groups Update				

Minutes and Actions



DECISION: Approve minutes and review actions

Chair & Secretariat

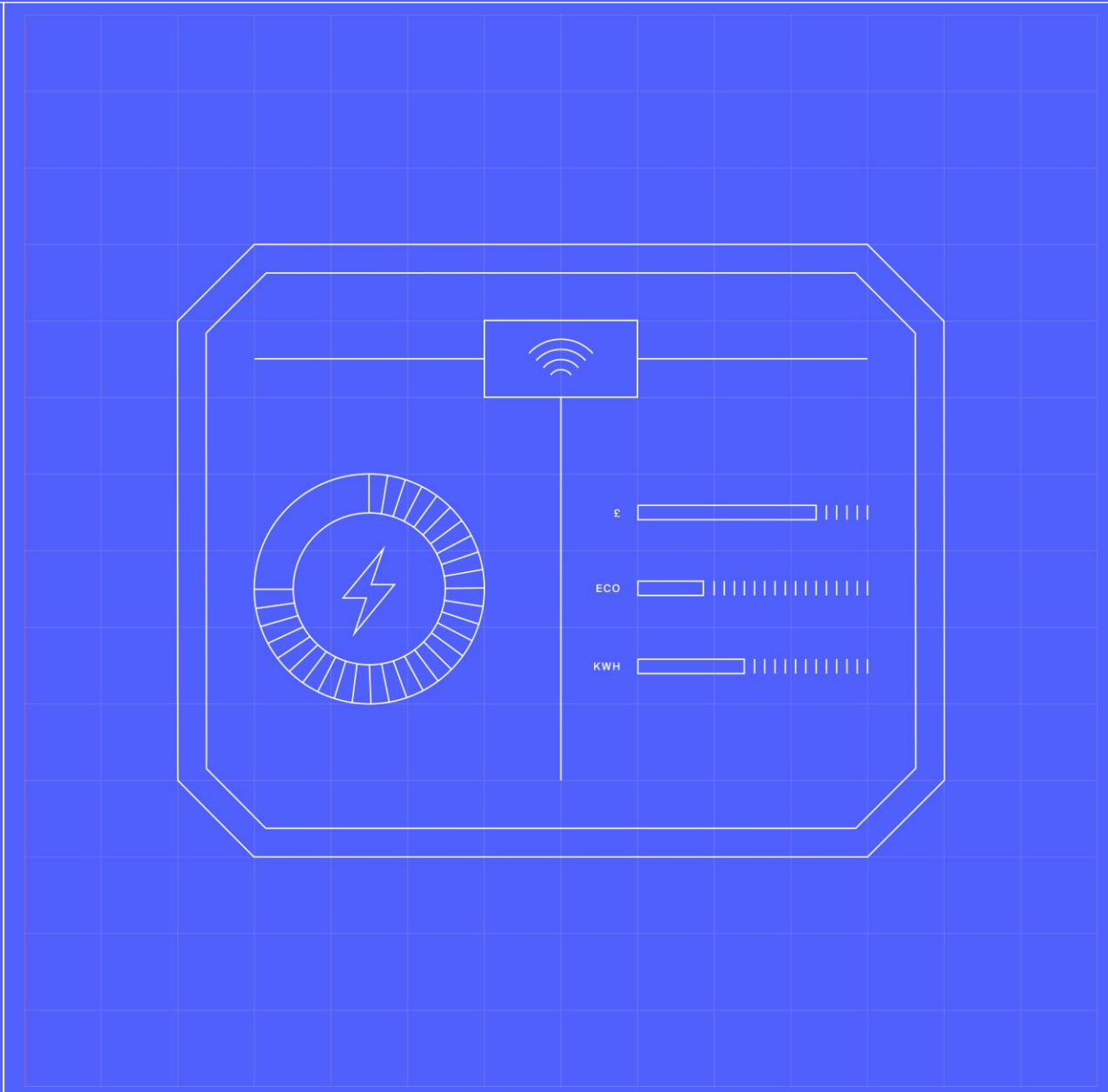
10 mins

Minutes and Actions

1. Approval of PSG 03 April 2024 Headline Report
2. Review of actions:

Ref	Action	Owner	Due	Latest Update
PSG18-05	Look into the assurance process for LDSOs for the accuracy of data for DUoS billing	IPA (Richard Shilton)	January 2024	ONGOING REMAINING ITEM: IPA to present on DBT2 under agenda item 8. PRIOR ITEM UPDATE FOR INFORMATION: DNO constituency rep has asked further questions on DUoS billing accuracy checks which the Programme has responded to.
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 incorporated into the new MHHS Transition Timeline and Implementation Approach and will be published in advance of June 2024 PSG. In the meantime, participants are encouraged to contact the IPA for any queries on IPA assurance activities.
PSG28-01	Elexon to provide detailed update on the progression of the Settlement Analysis Scoping Working Group (SASWG) outputs.	Elexon (John Abbott)	07/02/2024	ONGOING: Elexon to provide update in meeting.
PSG30-05	Ofgem to advise whether changes to the Change Control Approach require Ofgem approval	Ofgem	03/04/2024	ONGOING: Ofgem to provide update in meeting.
PSG31-01	IPA to update appeals process following improvements recommended as an outcome of the lessons learned	IPA (Richard Shilton)	01/05/2024	RECOMMEND CLOSED: Updated document provided incorporating lessons learned shared at PSG on 03 April 204. Document to be uploaded to MHHS website.

CR047 Ratification



DECISION: Decision on ratification of CR047

Programme (PMO)

10 mins

CR047 – Impact Assessment Summary

Objective:

PSG to review the outputs of the issued CR048 Impact Assessments and ratify the Change Board's decision to approve the Change Request.

Headlines:

- Overall: **7 respondents supported the change; 1 respondents rejected the change; and 4 respondents abstained.**
- **Those who supported the implementation of the Change Request did so on the following basis:**
  - The revised Qualification L3 Milestones dates are more realistic than the existing plan.
  - The change gives additional and welcome clarity on Qualification Testing deliverables and the revised timelines are supported.
  - Programme activities are being completed within the timeframes referenced in the Change Request, so no change in activity will be triggered.
- **Those who rejected the implementation of the Change Request did so on the following basis:**
  - The change extends the deadline for Test Readiness from the end of July to the end of September, but there are still then a number of supplier/in house costs to be considered in order to achieve Qualification, and a number of risks to consider. *The Programme is working with LDSOs to understand and manage these risks.*
- **Further comments:**
  - A number of risks were been raised that may potentially impact non-SIT LDSO's ability to deliver to the revised milestone plan. The Programme is working directly with LDSOs to manage these risks.
  - Suggested amendments submitted by responding Participants have been addressed by the Programme in the following slides.
- **Implementation:**
  - Implementation can be completed imminently, as the change requires only minor amendments to the Programme Plan.

CR047 – Submitted Impact Assessments

Programme Parties	CR047 Recommendations			
	Yes	No	Abstain	No Reply
Large Suppliers	-	-	1	4
Medium Suppliers	-	-	1	6
Small Suppliers	-	-	-	33
I&C	-	-	-	41
DNOs	4	1	-	1
iDNOs	1	-	-	12
Ind. Agents	-	-	-	47
Supplier Agents	-	-	-	7
S/W Providers	-	-	-	25
REC Code Manager	1	-	-	-
National Grid ESO	-	-	-	1
Consumer	-	-	-	1
Elexon (Helix)	-	-	-	1
DCC	-	-	1	-
SRO / IM & LDP	1	-	-	-
IPA	-	-	1	-
Avanade	-	-	-	1
Totals	**7**	**1**	**4**	**180**

Notes:

The classification of Independent and Supplier Agents is maintained by the Programme Party Coordinator and is subject to change.

Rationale for being marked down as abstained:

- One Large and one Medium Supplier abstained from providing a recommendation as due to not being a non-SIT LDSO, they cannot provide an impact.
- The IPA and DCC abstained from providing recommendations as they are not impacted by the proposed changes.

CR047 Impacts – Views on the proposed approach (Page 1)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR047)
Large Suppliers	• The one responding Large Supplier abstained from providing a recommendation as they are not an LDSO.
Medium Suppliers	• The one responding Medium Supplier abstained from providing a recommendation as they are not an LDSO.
Small Suppliers	*Did not respond.*
I&C	*Did not respond.*
DNOs	+ Four of the five responding DNOs support the implementation of the Change Request. + The revised Qualification L3 Milestones dates are more realistic than the existing plan. + The change gives additional and welcome clarity on Qualification Testing deliverables and the revised timelines are supported. – One of the five responding DNOs rejected the implementation of the Change Request. – They raised a number of supplier/in house costs associated achieving Qualification which are being addressed by the Programme. • There is a lack of contingency available in the programme plan between the end of Qualification Testing and M10 Migration go-live. This is being managed by the Programme with comms and engagement through bi-laterals and the establishment of the LDSOWG. • The MPRS Sprint 9 is currently be running behind schedule and may not be available until September 2024. This is incompatible with the new L3 milestone 'Non- SIT LDSO submission deadline for final PIT Test Completion Report (Functional and Migration)'. The Programme requests that Functional and Migration PIT are completed by the end of August with Non-Functional and Operational complete by the end of September. MPRS could be included in the scope of the September milestone. • The programme should ensure that the dependencies between SIT completion, non-SIT LDSO PIT completion and non-SIT LDSO Qualification entry are mapped and tracked. Links with SIT are actively tracked and managed within the programme with all links monitored by the PMO. • *A number of risks were been raised that may potentially impact non-SIT LDSO's ability to deliver to the revised milestone plan. The Programme is working directly with LDSOs to manage these risks.*
iDNOs	+ The one responding iDNOs supported the implementation of the Change Request.
Agents	*Did not respond.*
S/W Providers	*Did not respond.*

CR047 Impacts – Views on the proposed approach (Page 2)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR047)
REC Code Manager	+ RECCo are supportive of the implementation of the Change Request. • They suggest the title of Line 19 'BSC PAB & REC Manager approval of Qualification for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Completion (Start of Migration for Qualification Participants)' is simplified to 'BSC PAB & REC Manager approval of Qualification for Non-SIT LDSOs'. Agreed, this will be amended. • The second table in the supporting documents does not appear to be fully aligned to the proposed milestones. RECCo suggests that this is removed from the CR proposal. Agreed, this will be amended.
National Grid ESO	*Did not respond.*
Consumer	*Did not respond.*
Elexon (Helix)	*Did not respond.*
SRO / IM & LDP	+ The Programme is supportive of the implementation of the Change Request. + Work is being completed within the timeframes referenced in the Change Request, so no change in activity will be triggered. + Implementation will require minor updates to the Programme plan.
IPA	• The IPA abstained from providing a recommendation as the change does not impact their activities.
Avanade	*Did not respond.*

PSG decision on CR047 'Implementation of ‘Amending Qualification Milestones for non-SIT LDSO QT'

CR047 was approved by the Change Board, subject to PSG ratification, on the basis that:

- A majority of LDSOs expressed support for the change through Impact Assessment responses
- The proposed milestone changes contained within CR047 had been discussed with participants via the Qualification Advisory Group (QAG) and Qualification Working Group (QWG)
- The Impact Assessment comments had been addressed / were addressable
- Certain existing qualification milestones were already beyond their baseline completion dates and required change to rebaseline to the new forecast dates

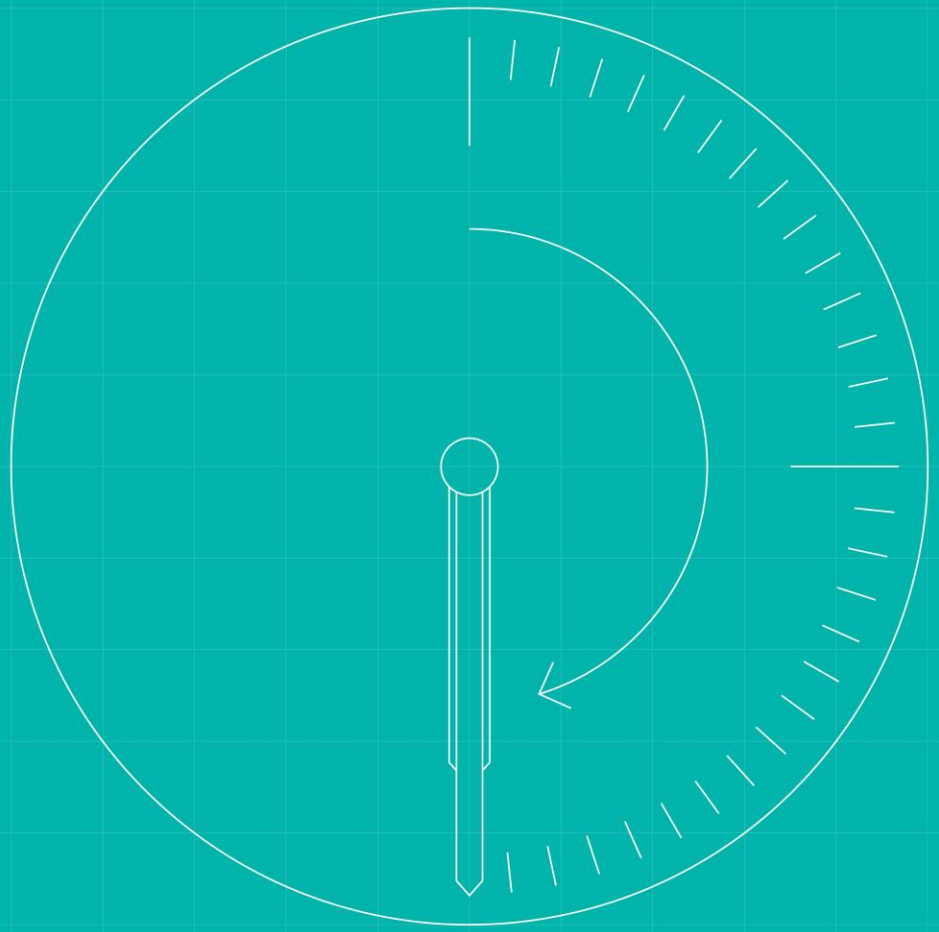
The Change Board Headline Report and meeting recording can be found on the Change Board area of the Programme Collaboration Base

The PSG are requested to advise the SRO on whether CR047 should be approved:

DECISION	**SRO to approve/reject CR047 and associated implementation approach**

Confirmation of next steps will be provided following the decision

CR048 Ratification



DECISION: Decision on ratification of CR048

Programme (PMO)

10 mins

CR048 – Impact Assessment Summary

Objective:

PSG to review the outputs of the issued CR048 Impact Assessments and ratify the Change Board's decision to approve the Change Request.

Headlines:

- Overall: **7 respondents supported the change; 0 respondents rejected the change; and 4 respondents abstained.**
- **Those who supported the implementation of the Change Request did so on the following basis:**
- The updated timelines for Qualification are required, and need to be part of the MHHS Programme Plan.
    - Having the Programme Plan milestones reflecting the latest Qualification Approach & Plan provides greater clarity and certainty to support the delivery of MHHS.
    - Programme activities are being completed within the timeframes referenced in the Change Request, so no change in activity will be triggered.
- **Further comments:**
    - A number of comments and suggested amendments were raised by responding participants, which have been addressed by the Change Raiser in the following slides.
- **Implementation:**
    - Implementation can be completed imminently, as the change requires only minor amendments to the Programme Plan.

CR048 – Submitted Impact Assessments

Programme Parties	CR048 Recommendations			
	Yes	No	Abstain	No Reply
Large Suppliers	3	-	-	2
Medium Suppliers	1	-	-	6
Small Suppliers	-	-	-	33
I&C	1	-	1	39
DNOs	-	-	2	4
iDNOs	-	-	-	13
Ind. Agents	-	-	-	47
Supplier Agents	-	-	-	7
S/W Providers	-	-	-	25
REC Code Manager	1	-	-	-
National Grid ESO	-	-	-	1
Consumer	-	-	-	1
Elexon (Helix)	-	-	-	1
DCC	-	-	-	1
SRO / IM & LDP	1	-	-	-
IPA	-	-	1	-
Avanade	-	-	-	1
Totals	**7**	**0**	**4**	**181**

Notes:

The classification of Independent and Supplier Agents is maintained by the Programme Party Coordinator and is subject to change.

Rationale for being marked down as abstained:

- Two non-SIT LDSOs abstained from providing a recommendation as they are unaffected by the change.
- One I&C Supplier abstained from providing a recommendation as they do not believe the Change Request includes adequate information to do so.
- The IPA abstained from providing a recommendation as they are not impacted by the proposed changes.

CR048 Impacts – Views on the proposed approach (Page 1)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR048)

Large Suppliers	+ All three responding Large Suppliers supported the implementation of Change Request.
	+ The updated timelines for Qualification are required, and need to be part of the MHHS Programme Plan.
	+ Having the Programme Plan milestones reflecting the latest Qualification Approach & Plan provides greater clarity and certainty to support the delivery of MHHS.
	• The following comments were noted:
	  • T3-QU-0068 Operational Testing elements of Qualification Approach & Plan v4 approved by REC PAB & BSC PAB has an incorrect task description "The approval by BSC PAB and REC PAB of the Non-Functional Testing Approach & Plan for Qualification" This will be amended.
	  • Qualification Wave 1 Participants have submitted PIT Test Completion Report and evidence for QT Entry is outlined as 20/12/2024 - this completion of PIT is aligned with continued SIT Functional regression, Migration regression, Non-Functional and Operational testing. As such there is a risk that the release used in this testing may be not be the final SIT release driving additional regression testing and a risk on Qualification testing. This should be added to the Programme RAID log.

Medium Suppliers	+ The one responding Medium Supplier supported the implementation of the Change Request.
Small Suppliers	*Did not respond.*
I&C	+ One responding I&C supplier supported the implementation of the Change Request. • One responding I&C supplier abstained from providing a recommendation. • The significant movement of T3 milestones since the baseline, which feed into T2 static dates, gives Participants less time to plan for the unchanged T2 dates. • The scheduling impact has not been clearly set out, and therefore the Change Request does not give enough information to provide a recommendation. The milestones are based on the POAPs which have been shared and worked from since last November at QWG and PSG.
DNO	• The two responding DNOs abstained from providing a recommendation as the change does not impact them.
iDNO	*Did not respond.*
Agents	*Did not respond.*
S/W Providers	*Did not respond.*

CR048 Impacts – Views on the proposed approach (Page 2)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR048)

REC Code Manager	+ RECCo are supportive of the implementation of the Change Request.
	• They made the following comments:
	  • The date formatting is mixed and includes both dd/mm/yyyy and mm/dd/yyyy. This needs to be amended to be consistent and avoid misinterpretation. This will be amended.
	  • They suggest that T3-QU-0062 and T3-QU-0068 are combined, as the operational updated to the QA&P is expected to also be the final update. This will be amended as long as removing one of the milestones doesn't require any additional admin.
	  • If retained, the description of T3-QU-0068 should be amended as it does not match the title. The description should be amended to reference operational testing. Agreed and will be amended, dependent on the above.
	  • New milestone – row 11 – 'Pre-Qualification Submission and PIT Test Plan Deadline for Submission': should be amended to 'PIT Test Plan' to 'PIT Approach and Plan' to match the description in the QA&P. This will be amended.
	  • New milestone – row 47 – 'Qualification Wave 4 Participants have submitted their final QAD' – date should be 12/12/2025 to match the QA&P. This is an error with the QA&P, which will be updated to align with the CR.

National Grid ESO	*Did not respond.*
Consumer	*Did not respond.*
Elexon (Helix)	*Did not respond.*
SRO / IM & LDP	+ The Programme are supportive of the implementation of the Change Request. + Work is being completed within the timeframes referenced in the Change Request, so no change in activity will be triggered. + Implementation will require minor updates to the Programme plan.
IPA	• The IPA abstained from providing a recommendation as the change does not impact their activities.
Avanade	*Did not respond.*

PSG decision on CR048 'Implementation of ‘Amending Qualification Milestones for non-SIT Supplier and Agent QT'

CR048 was approved by the Change Board, subject to PSG ratification, on the basis that:

- Impact Assessment respondents expressed unanimous support for the change
- The proposed milestone changes contained within CR047 had been discussed with participants via the Qualification Advisory Group (QAG) and Qualification Working Group (QWG)
- The Impact Assessment comments had been addressed / were addressable
- Certain existing qualification milestones were already beyond their baseline completion dates and required change to rebaseline to the new forecast dates

The Change Board Headline Report and meeting recording can be found on the Change Board area of the Programme Collaboration Base.

The PSG are requested to advise the SRO on whether CR048 should be approved:

DECISION	**SRO to approve/reject CR048 and associated implementation approach**

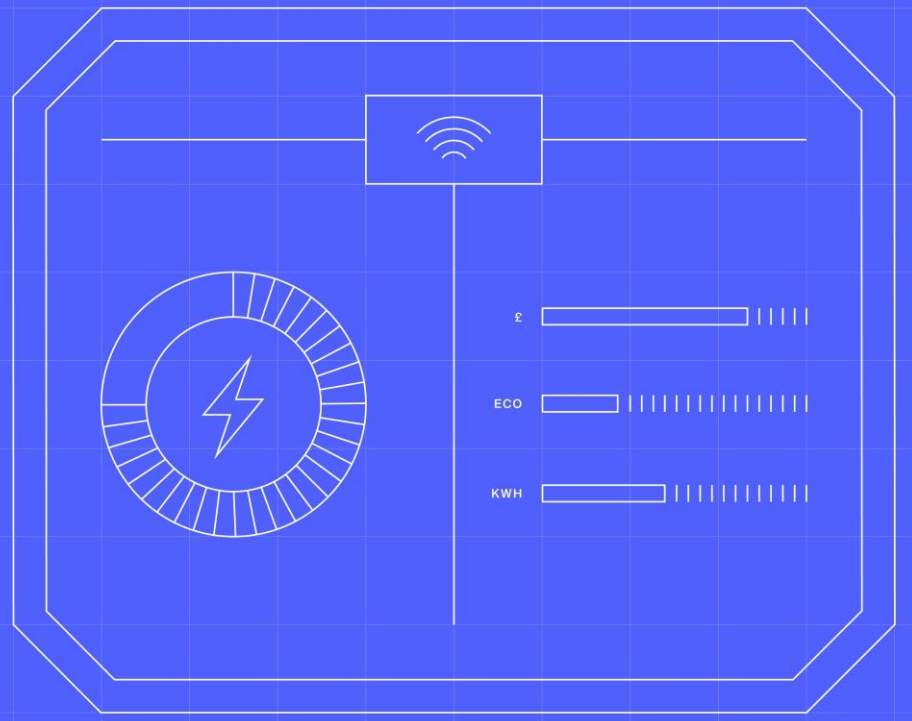
Confirmation of next steps will be provided following the decision

CR044 Decision

DECISION: Decision on implementation following escalation from DAG

Programme (PMO)

10 mins



CR044 – Implementation of 'Data Refresh' Message IF-051 - Impact Assessment Summary

Objective:

PSG to review the outputs of the issued CR044 Impact Assessments and advise SRO on their decision to approve or reject the Change Request.

Headlines:

- Overall: **16 respondents supported the change; 5 respondents rejected the change; and 3 respondents abstained.**
    - A significant number of respondents, both those who supported and those who rejected the change, noted that they supported the implementation of the change, but did not see this being possible ahead of M10.
- **Those who supported the implementation of the Change Request did so on the following basis:**
    - A CSS failure in July last year highlighted the importance of having the tools available to be able to align and retrospectively correct supply start and end dates. If the change is not implemented, this carries a significant risk should this event be repeated.
    - The existing ECOES refresh mechanism is utilised under current arrangements for this same purpose and works well, and so it would be sensible to provide this equivalent functionality under MHHS operation.
    - The change is a pre-migration contingency measure and is required before go-live, so that if any incidents occur the solution can be called upon in early life.

Those who rejected the implementation of the Change Request did so on the following basis:

- It was questioned what benefit this change would deliver prior to migration, as it is believed that the data cleanse and migration activity will resolve many issues.
- Given existing Programme commitments, the delivery of this Change Request prior to the M10 milestone may impact the success of other MHHS deliverables. There is no capacity to deliver this functionality prior to the M10.
- The MHHS design is based on the principle of a single view of truth. This change disregards the requirement to align the rest of the industry to the registration services truth following such an incident.

- **Further comments:**
    - Only one rejecting respondents stated that they did not support the implementation of the change at some stage. Other concerns were based entirely on delivery timelines.
    - A number of respondents suggested implementing the change in the first post-M10 release.

CR044 – Implementation of ‘Data Refresh’ Message IF-051 - DAG Recommendation and Risk Analysis

The Design Advisory Group (DAG) approved the design and solution of CR044 in principle. However, the DAG recognises that there are risks associated with the implementation of CR044 due to the proximity of M10. Additionally, CR044 does not meet the change freeze criteria.

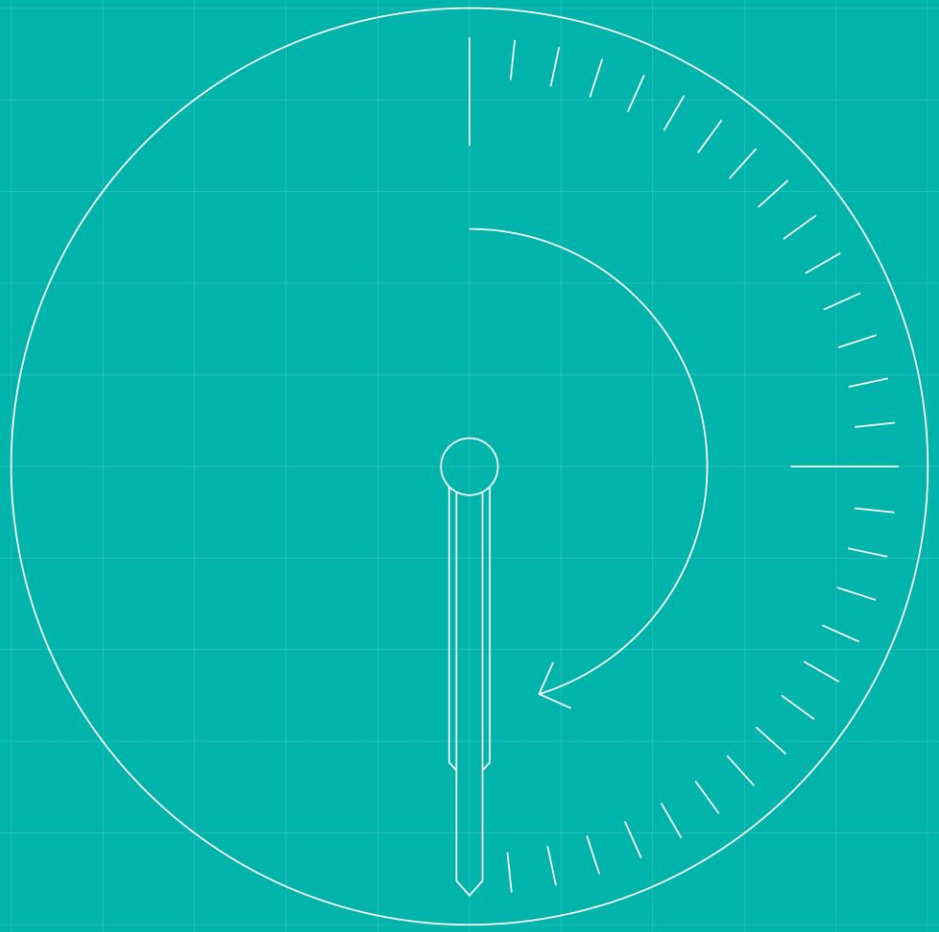
The Programme recommends that the change is implemented post M10. The associated risk with doing so are listed below.

The Programme will work with the Code Bodies to understand when implementation will be possible. Implementation will be completed as close to M10 as possible, whilst managing the safety and stability of the new system.

Risk Statement	Risk Detail	Risk Mitigation
If this CR is implemented post M10, there is a risk that should a significant systems outage occur which give rise to a need to realign data between the Registration Service / DIP / EES / and/or MDS, there will be no predefined mechanism to refresh/realign data	• If core data were to become misaligned through a significant systems outage there would be no pre-planned mechanism/process to correct the issue. • The further the Programme progresses into migration the greater the impact to delivery timescales should a significant systems outage occur. • This CR provides a mitigation in the form of and agreed set of data to realign Registration, EES and MDS. • The CR does not cover the operational recovery process of managing the incident recovery to how information is resyncronised. • Support Team(s) would need to ‘improvise’ a mechanism and process across industry to realise a fix to the data.	• The Programme will continue to assess the potential downstream impacts of the solution and agree with DAG. • The Programme will work with Code Bodies and engage them as the programme transitions to BaU

FOR DECISION	The PSG is requested to accept the recommendation, while recognising the associated risk of implementing this change after M10

CR045 Decision



DECISION: Decision on implementation following escalation from DAG

Programme (PMO)

10 mins

CR045 – Supply Start Date (SSD) Correction Tool – Impact Assessment Summary

Objective:

PSG to review the outputs of the issued CR045 Impact Assessments and advise SRO on their decision to approve or reject the Change Request.

Headlines:

- Overall: **16 respondents supported the change; 9 respondents rejected the change; and 4 respondents abstained.**
  - Of the 9 rejecting respondents, 4 support the implementation of the solution, but have raised concerns regarding the ability to implement ahead of M10.
- **Those who supported the implementation of the Change Request did so on the following basis:**
  - The change will ensure that the correct supplier is liable for all obligations without any ambiguity around responsibility because of a discrepancy between CSS & central registration systems and services.
  - The change ensures continuity between current and future arrangements and reduces post-implementation risk.
  - There should be a mechanism to correct MPRS/ERDS where the information held does not align with the CSS. Not retaining a solution to correcting registration errors within the MHHS solution would cause data issue and settlement inaccuracies.
- **Those who rejected the implementation of the Change Request did so on the following basis:**
  - There is no capacity to deliver this functionality prior to the M10 milestone without impacting other MHHS deliverables. A more realistic timeline is to develop this functionality to go live in the early months following M10.
  - A fundamental element of the MHHS design is to hold a single view of the truth. Mismatches between CSS and the Reg Service should be corrected rather than introducing a workaround.
- **Further comments:**
  - A number of queries were raised in response to the Change Request. Many of these are answered by the appendix issued with the Change Request. Others have been responded to by the Programme in the following slides.

CR045 – Supply Start Date (SSD) Correction Tool – DAG Recommendation and Risk Analysis

The Design Advisory Group (DAG) approved the design and solution of CR045 in principle. However, the DAG recognises that there are risks associated with the implementation of CR045 due to the proximity of M10. Additionally, CR045 does not meet the change freeze criteria.

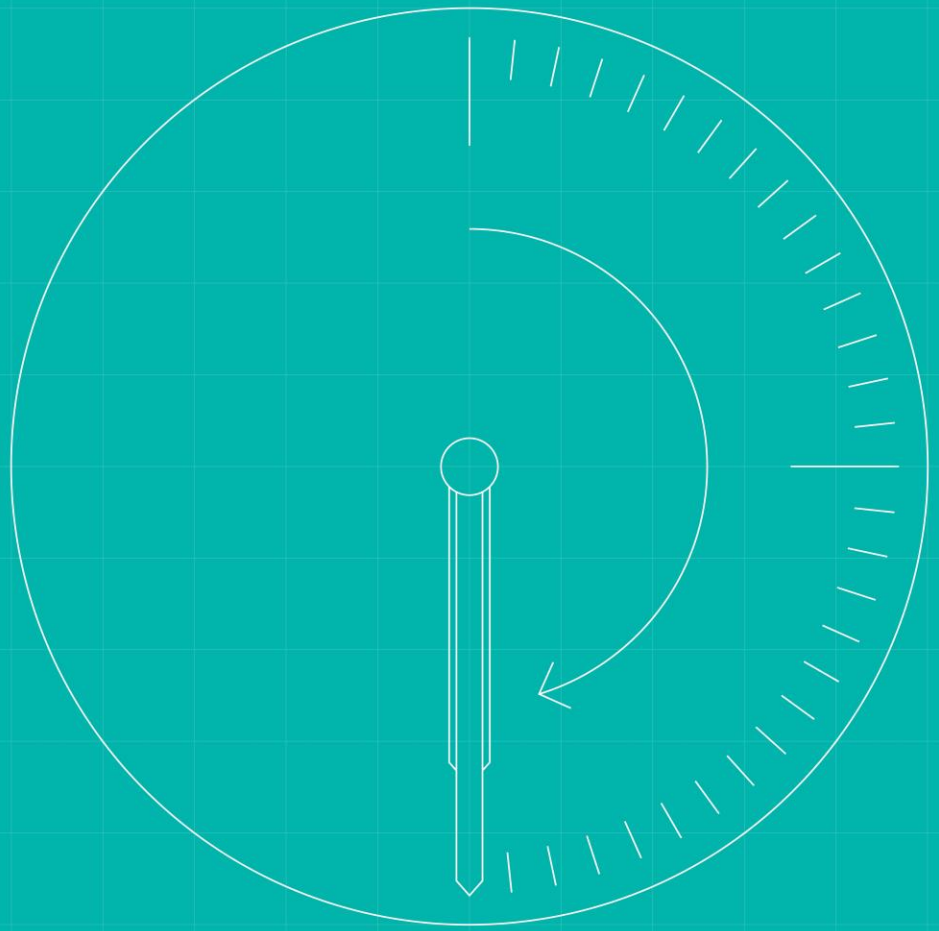
The Programme recommends that the change is implemented post M10. The associated risks with doing so are listed below.

The Programme will work with the industry to understand when implementation will be possible. Implementation will be completed as close to M10 as possible, whilst managing the safety and stability of the new system.

Risk Statement	Risk Detail	Risk Mitigation
Post M10 the existing SSD correction tool will not work and MPANs migrated to the new settlement arrangements at M11 will fail. *(Current information provided to the Programme indicate the volume of MPANs in this period is 100-200 per month).*	• There are several known 'issues' with the current CSS / Registration Service interactions that give rise to the need to change MPAN Supply Start / End Dates. • The current MHHS Design does not provide for a mechanism whereby the Change of Supplier Date (Supply Start/End Dates) can be changed within the Registration Service. • No automated route to correct CSS/Registration data issues. Support processes would need to be utilised to sort a data fix in Registration Service. Manual processes would be required to inform participants and they would need to sort a manual fix in their systems. • The further the Programme progresses through migration the greater the impact to the misalignment of Supply Start/End Dates. • Currently LDSO Registration Service Super users have access to a tool that allows the changing of Supplier Start / End Dates and issues a D0204 flow off the back of this change. • This existing Super User Tool will **cease** to work for sites following migration to the MHHS Settlement Regime.	• The programme will continue to progress the design solution and agree with DAG. • The programme will work with Code Bodies and engage them as the programme transitions to BaU

FOR DECISION	The PSG is requested to accept the recommendation, while recognising the associated risk of implementing this change after M10

M10/M11 Cutover Governance Approach



INFORMATION: Updates on cutover governance plan

Programme (Matthew Breen)

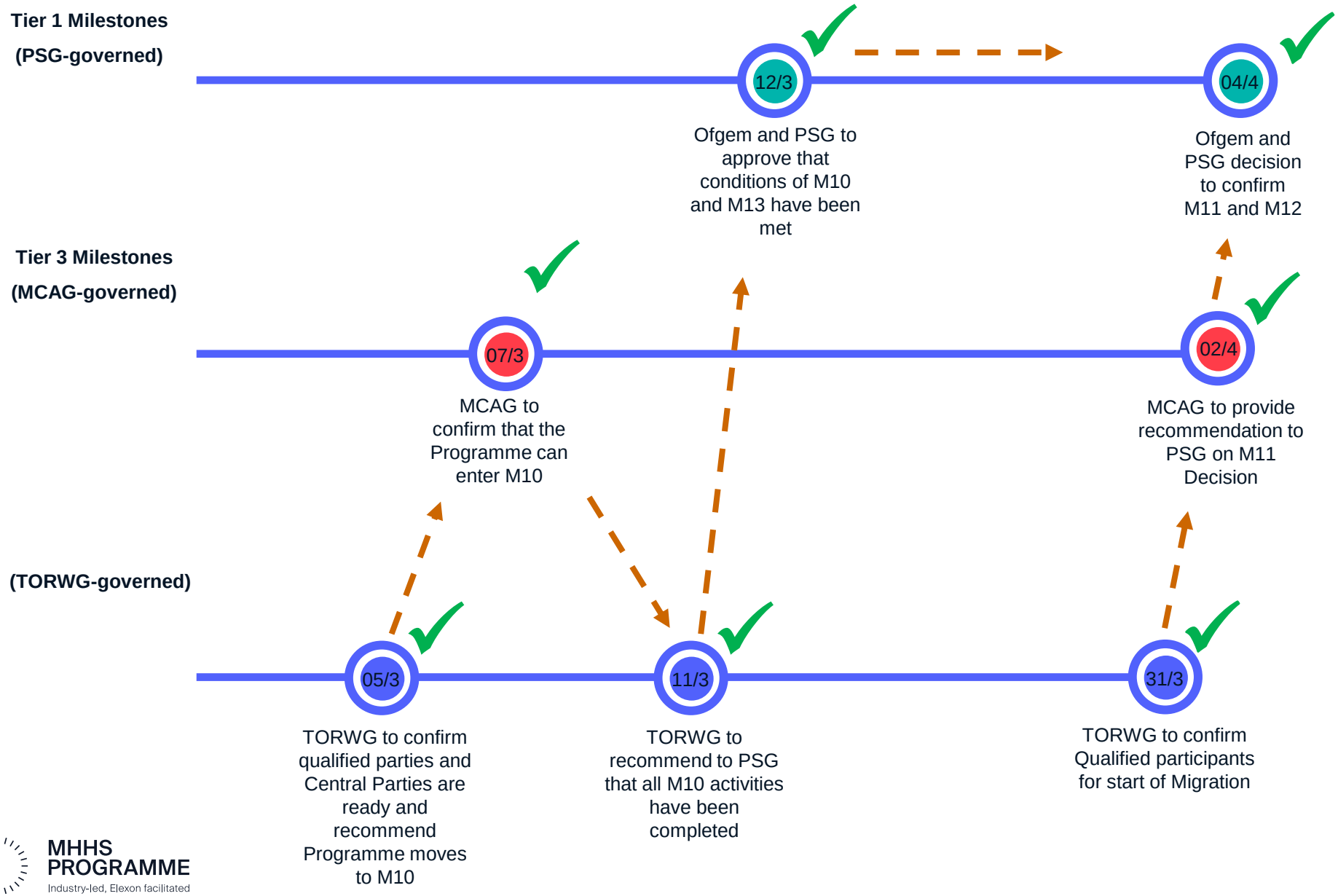
15 mins

Background

- The Programme has recently been working on the development of the M10 / M11 Cutover Plan through the Transition and Operational Readiness Working Group (TORWG). As part of this work, we have proposed a governance approach to help manage the cutover period and the approval process for these milestones.
- This approach includes the introduction of some additional governance meetings and the introduction of two additional T3 milestones (*shown on the next slide)* which mark the recommendation from the Migration and Cutover Advisory Group (MCAG) to move ahead with the M10 and M11 Cutover activities, respectively.
- Currently, the M10 / M11 Cutover Plan is out for consultation with Programme Participants, but as this plan relates to Tier 1 milestones, we wanted to bring this to the PSG for discussion and seek your opinion on the governance approach that has been proposed.

The next slide shows the proposed governance approach, while the subsequent slides have been included for information and show the inputs and the approvals / recommendations that we are looking for as an output from each governance meeting.

Overview of Proposed M10 / M11 Decision Choreography



M8 (Code Go-live) will be directed by Ofgem as part of their M7 (Significant Code Review Powers) direction, for implementation of the MHHS Code. We are not expecting any additional governance activities (e.g. Advisory Groups) to be required for M8 implementation, but that the Ofgem direction will align M8 with M10 delivery date.

x/x

Implementation Group

An Implementation Group that sits outside of this Governance structure will also be established to manage the activities that take place in the lead up to and over the cutover period.

MHHS PROGRAMME
Industry-led, Elexon facilitated

Inputs and Approvals / Recommendations from Governance Meetings for M10

Approvals / Recommendations in bold are key outputs from the meetings

TORWG 05/03	
Inputs	**Approvals / Recommendations**
Confirmation of Qualification Status for SIT MVC	**Recommendation to MCAG that the Programme can enter M10**
Confirmation of Qualification Status for Non-SIT LDSOs	
Confirmation of Qualification Status of at least one Supplier and their contracted Agents	
Declaration from all Central Parties that they are in a position to move forwards.	
Confirmation that Pre-migration Data Cleanse Activities have successfully taken place	
Market-wide Participant MHHS Migration Supporting Functionality is Live	

MCAG 07/03	
Inputs	**Approvals / Recommendations**
Recommendation from TORWG that the Programme should enter M10.	**MCAG to approve that the Programme can enter M10**

TORWG 11/03	
Inputs	**Approvals / Recommendations**
Self-Declaration from all Central Parties that Cutover activities have been successfully carried out	**Recommendation that PSG approves M10 and M13**
Confirmation that DIP and ECS have been deployed, Service management is active, ISD has been populated	
Self-Declarations against all M10 Data Cleanse Activities	
Early life Support Model is in place	
MCC Operational	
IF-047 has been sent	

PSG 12/03	
Inputs	**Approvals / Recommendations**
Recommendation from TORWG that PSG should approve M10	**PSG to approve that M10 and M13 have successfully taken place**

Inputs and Approvals / Recommendations from Governance Meetings for M11

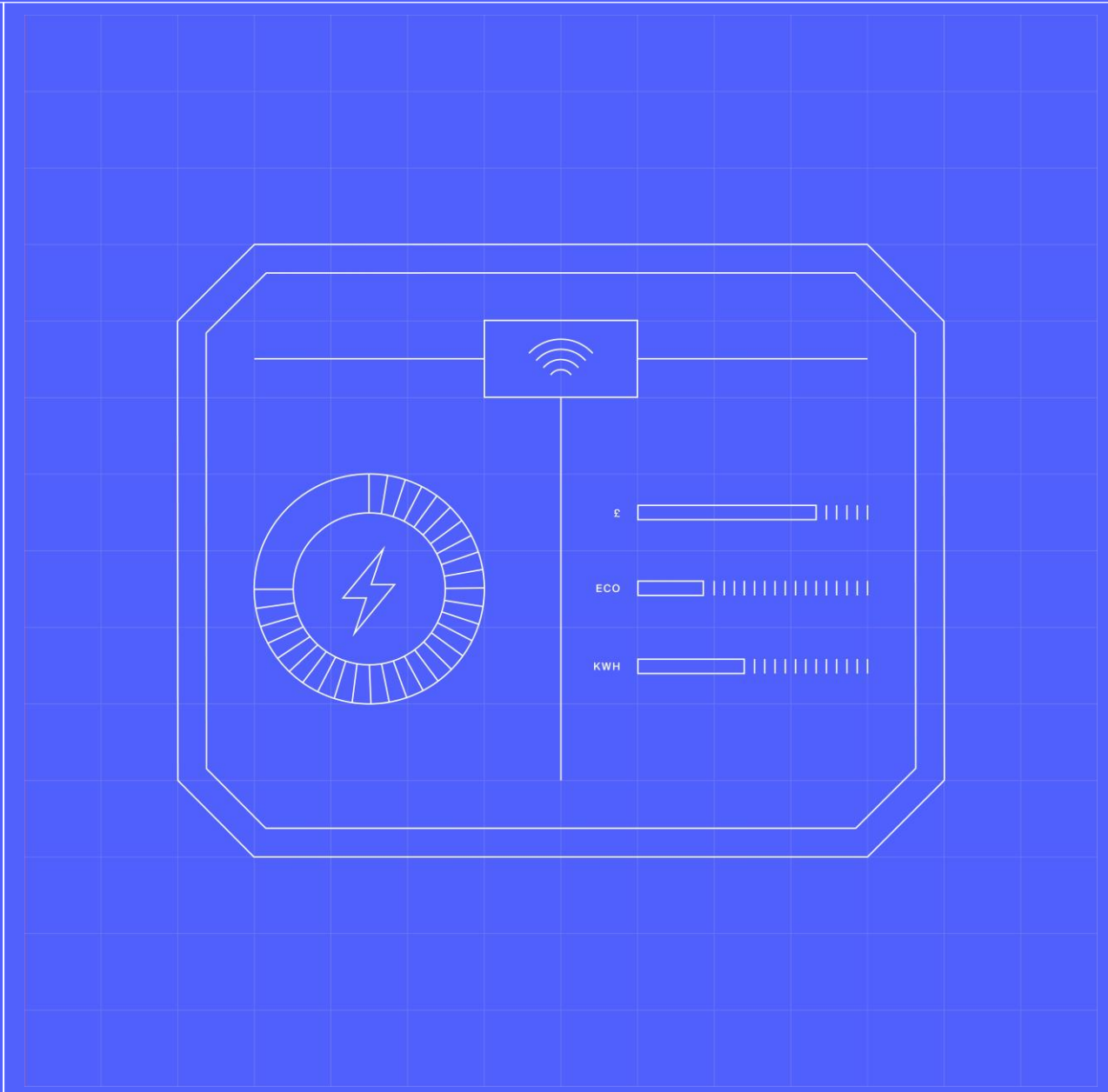
Approvals / Recommendations in bold are key outputs from the meetings

TORWG 31/03	
Inputs	**Approvals / Recommendations**
Confirmation of Qualified Parties from Code Bodies	**TORWG to report to MCAG on complete list of Qualified Parties ahead of M11 / M12**
Self-Declaration that MHHS Functionality will be deployed to Production by Qualified parties.	
Production Service Activation Activities have taken place.	

MCAG 02/04	
Inputs	**Approvals / Recommendations**
Confirmation of Qualified Parties from TORWG	**Recommendation to PSG that the Programme can approve M11 / M12**

PSG 04/04	
Inputs	**Approvals / Recommendations**
Recommendation from MCAG that the Programme can approve M11 / M12	**Approval of M11 / M12**

DBT2 (Consequential Change) Risk Assessment



INFORMATION: IPA overview of DBT2 risk assessment

IPA (Richard Shilton)

10 mins

DBT2 (Consequential Change) Risk Assessment

Executive Summary

To enable effective functioning of the electricity market following transition to the new settlement arrangements, Programme Participants need to make DBT2 or "consequential changes" to their systems and processes impacted by MHHS. Given the potential risks to the market and consumers if these changes are not successfully delivered, the IPA performed an assessment to:

- Understand the scope of the consequential changes to form a preliminary view of the associated industry and consumers risk; and
- Recommend a level, nature and timing of assurance required to build confidence in their delivery proportionate to the risk.

As part of the exercise we interviewed selected Participant stakeholders as agreed with the Programme (Appendix A highlights interview list). The exercise did not seek to define the full scope of consequential changes or provide guidance on how they should be delivered.

Overall, at the time of our assessment in March 24, there was **not a consistent understanding of consequential changes and in order to support individual Participants in defining their consequential changes scope, further clarity around DBT1 scope was required**. It is noted that the responsibility of individual Participant to impact assess MHHS changes and define the scope of their consequential changes.

The consequential changes that were communicated to us by the interviewed Participants broadly fall across the following areas:

- Changes in relation to an individual Participant's internal systems and back-office processes as a result of MHHS; and
- Changes to industry processes such as DUoS billing.

These changes may have a material impact to the anticipated MHHS benefits and the consumer, as they are linked in key areas such as billing accuracy, charging arrangements and contract pricing. We noted that some Participants have commenced change impact assessment, including developing design, build and test plans, whereas others are yet to start.

Key recommendations

1. Code Bodies and the Programme to **clearly document and communicate the definition of DBT1** via QAG to support individual participants to define their consequential changes. This also includes providing clarity on responsibilities for testing each component of the DUoS process (**Note**: this action is underway as part of a corresponding QAG action) - **Target Date: 16 May 24**
2. **Consequential Changes Assurance Recommendation** - **Target Date: 31 May 24**:
    - Participants should impact assess consequential changes and submit the progress, completion status and self-assessment via Programme Readiness Assessments which will be subject to independent assurance via sample based reviews

Examples of potential consequential change scope areas raised by Participants

- Industry billing processes (e.g. DUoS)
- Reconciliation processes (due to links to DUoS)
- Supplier billing systems
- Back-office processes, such as hedging strategy, demand forecasting, contracts pricing, and charging arrangements
- Customer tariffs
- Meter point administration
- Customer communications

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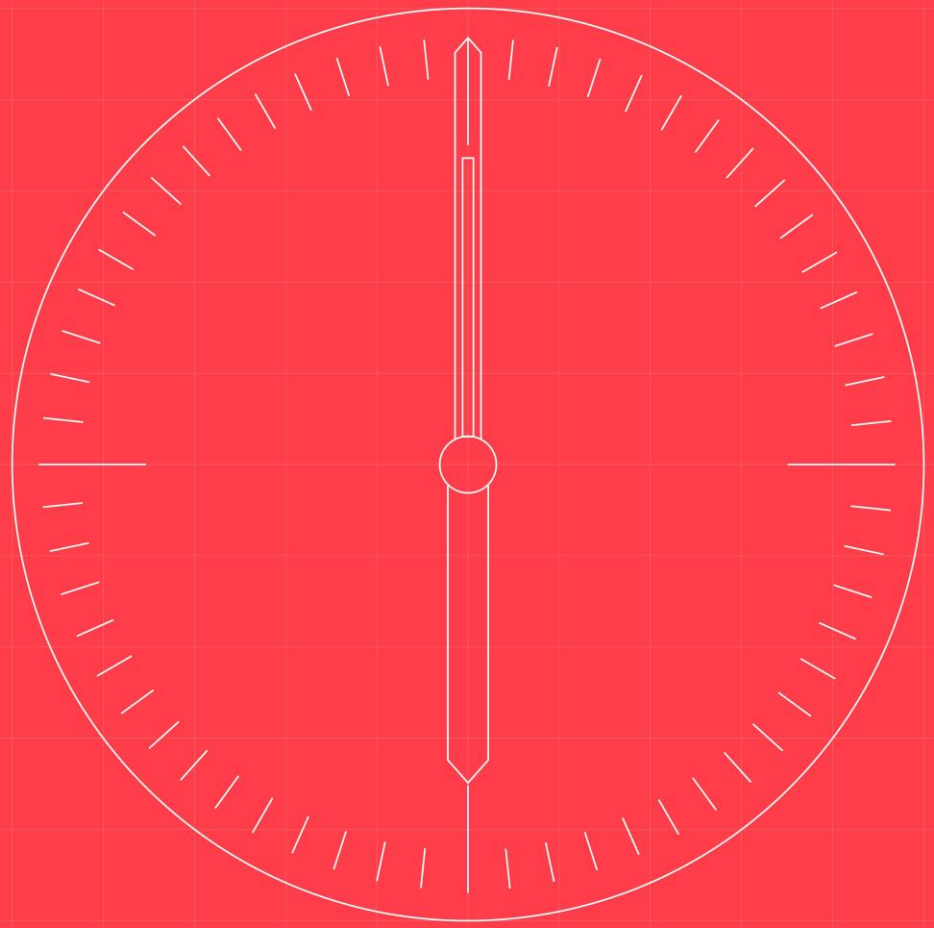
Qualification Testing Updates

INFORMATION: Updates on Qualification Testing from the Programme and Elexon

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

5 mins



Overall Qualification:

- After participant feedback, it was agreed at QAG that in additional to QWG two sub-groups would be formed to focus on Non-SIT LDSO QT and Non-SIT Supplier and Agent QT
- New Entrant process presented at QWG and QAG for clarification
- CR47 and CR48 IA responses have been received and will be presented to programme governance for approval

Non-SIT Supplier & Agent Qualification:

- Non-SIT Supplier & Agent QT Test Approach being updated post consultation - targeting approval at May QAG
- Initial Batch of Non-SIT Supplier & Agent QT Test Scenarios being updated post consultation.
- Second Batch of Non-SIT Supplier & QT Test Scenarios out for consultation (closes 20/04).
- Analysis ongoing with MHHSP to review requirement coverage across SIT and QT.

Non-SIT LDSO Qualification:

- Qualification Approach & Plan Annex 1 Non-SIT LDSO Test Approach out for consultation – update includes information on non-functional and operational testing
- Non-SIT LDSO Test Data Approach being updated post consultation - targeting approval at May QAG
- Migration Test Scenarios and Test Cases have been issued for LDSO review
- LDSOs are on track to submit their PIT test plans by 26/4. Sessions held with LDSO to support their submissions

Qualification Deliverable milestones - 2024

Milestone ID	Task Name	Baseline Date in Programme Plan	Date as per CR48*	Status
T3-QU-0063	Functional Testing elements of Qualification Approach & Plan v2 approved by REC Manager & BSC PAB	31/10/2023	28/03/2024	Milestone approved at April QAG.
T3-QU-0064	Migration Testing elements of Qualification Approach & Plan v2 approved by REC PAB & BSC PAB	06/03/2024	28/03/2024	Milestone approved at April QAG.
T3-QU-0066	Qualification Assessment Document v1 approved by REC PAB and BSC PAB	16/04/2024	28/03/2024	Milestone approved at April QAG.
T3-QU-0065	Non-Functional Testing elements of Qualification Approach & Plan v3 approved by REC PAB & BSC PAB	30/05/2024	27/06/2024	On track, update to be completed once SIT Non-Functional Approach and Plan published.
T3-QU-0068	Operational Testing elements of Qualification Approach & Plan v4 approved by REC PAB & BSC PAB	14/08/2024	29/08/2024	On track, update to be completed once SIT Operational Approach and Plan published.
T3-QU-0062	Final Qualification Approach & Plan v4 approved by REC PAB & BSC PAB	14/08/2024	29/08/2024	On track.
T3-QU-0067	Qualification Assessment Document v2 approved by REC PAB and BSC PAB	25/10/2024	29/08/2024	At risk of slippage due to dependency on SIT Non-Functional and Operational Test Scenarios and Test Cases.

*CR48 subject to approval.

Qualification Wave (Non-SIT Suppliers and Agents) milestones - 2024

Milestone ID	Task Name	Baseline Date in Programme Plan	Date as per CR48*	Status
T3 TBC	Pre-Qualification Submission and PIT Test Plan Deadline for Submission	New	26/04/2024	On track, Qualification Wave Participants due to submit PQS by 26/04/24. Webinar held and drop in sessions set up to support completion, alongside update of PIT Guidance.
T3-QU-0012	Confirmation of participant Qualification Wave allocation	08/06/2024	28/06/2024	On track, dependency on PQS being received from Qualification Wave Participants by 26/04.
T3-QU-0017	Qualification Wave 1 Participants' have started DIP Onboarding	04/11/2024	01/11/2024	On track
T3 TBC	Qualification Wave 1 Participants to provide status of PIT completion and submit QT Test Plan	New	29/11/2024	New milestone added to support participant planning.
T3 TBC	Qualification Wave 1 Participants have submitted PIT Test Completion Report and evidence for QT Entry	New	20/12/2024	New milestone added to support participant planning.
T3-QU-0016	Qualification Test Plans for Wave 1 Participants approved	04/11/2024	20/12/2024	On track.
T3 TBC	Qualification Wave 1 Participants have submitted their Initial QAD	New	20/12/2024	New milestone added to support participant planning.

*CR48 subject to approval.

Qualification Non-SIT LDSO QT milestones – 2024 (1/2)

Milestone ID	Task Name	Baseline Date in Programme Plan	Date as per CR47*	Status
T3-QU-0011	Confirmation of participants for Non-SIT LDSO Qualification Testing	15/02/24	18/04/2024	Milestone approved at March's QAG
T3	Non-SIT LDSO QT Test Data Plan Approved by QAG	New	26/04/2024	Non-SIT LDSO QT Test Data Plan consultation has concluded. Feedback is being worked through and will be discussed at May's QWG ahead of request for approval at May's QAG.
T3	Non-SIT LDSO submission of PIT Approach and Plan (functional and migration)	New	26/04/2024	Update PIT guidance shared and additional session to be scheduled. Sessions with LDSO to support them developing their PIT plans.
T3	Non-SIT LDSO submission of PIT Approach and Plan (non-functional and operational)	New	14/06/2024	Annex 1has been updated for non-functional and has been issued for consultation.
T3	Batch 1-3 Non-SIT LDSO QT Functional Test Scenarios and Test Cases approved	New	18/04/2024	Approved at April's QAG.
T3	Non-SIT LDOS QT Non-Functional, Operational and Migration Test Scenarios and Test Cases approved	New	18/07/2024	Migration Test Scenarios and test cases have been shared with LDSO for review
T3	Non- SIT LDSO submission deadline for final PIT Test Completion Report (Non-Functional and Operational and agreed functional scope)	New	30/09/2024	New milestone added to support participant planning

*CR47 subject to approval.

Qualification Non-SIT LDSO QT milestones – 2024 (2/2)

Milestone ID	Task Name	Baseline Date in Programme Plan	Date as per CR47*	Status
T3-QU-0008	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Test execution schedule approved	15/05/2024	15/08/2024	Tracking red against programme plan baseline. Tracking green against new plan dates (CR47).
T3-QU-0009	Qualification Testing for Non-SIT LDSOs Participants' environments)Ready to start DIP onboarding (incl. certificates and security compliance)	15/05/2024	05/08/2024	Tracking red against programme plan baseline. Tracking green against new plan dates (CR47).
T3 TBC	MHHSP/Code Bodies approval of non-SIT LDSO QT participants test plans	New	20/06/2024	On track – conversations ongoing on high level test scope
T3-QU-0007	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Programme Test Readiness confirmed	24/07/2024	30/09/2024	Tracking red against programme plan baseline. Tracking green against new plan dates (CR47).
T3 TBC	Non-SIT LDSO QT participant Test Environments connection confirmed to UIT environment	New	18/09/2024	On track
T2 TBC	Non-SIT LDSOs Qualification Testing Participants (Functional, Migration, NFT, Operational) Test Readiness confirmed (Final Test Readiness Review for LDSO)	New	30/09/2024	On track
T3 TBC	Non-SIT LDSO QT Participants have submitted their initial QAD	New	10/10/2024	On track
T3 TBC	Non-SIT LDSOs submission deadline for their QT Test Completion Report to MHHS Programme	New	20/12/2024	On track
T3-QU-0010	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) 1 End	24/01/2025	24/01/2025	On track

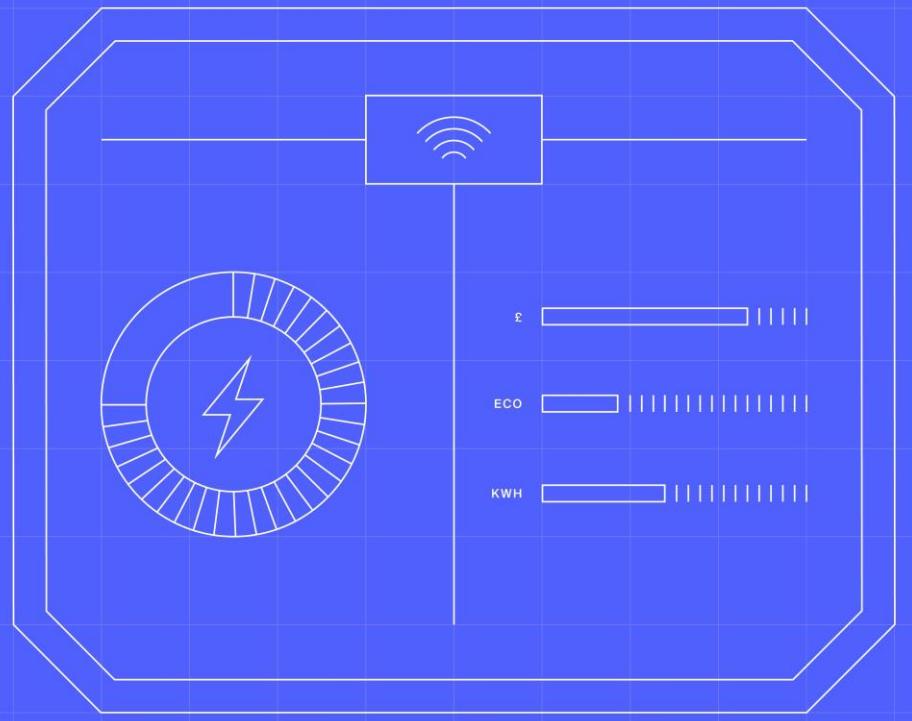
*CR47 subject to approval.

Migration Update

INFORMATION: Programme updates on Migration plan and progress

Programme (Warren Fulton)

5 mins

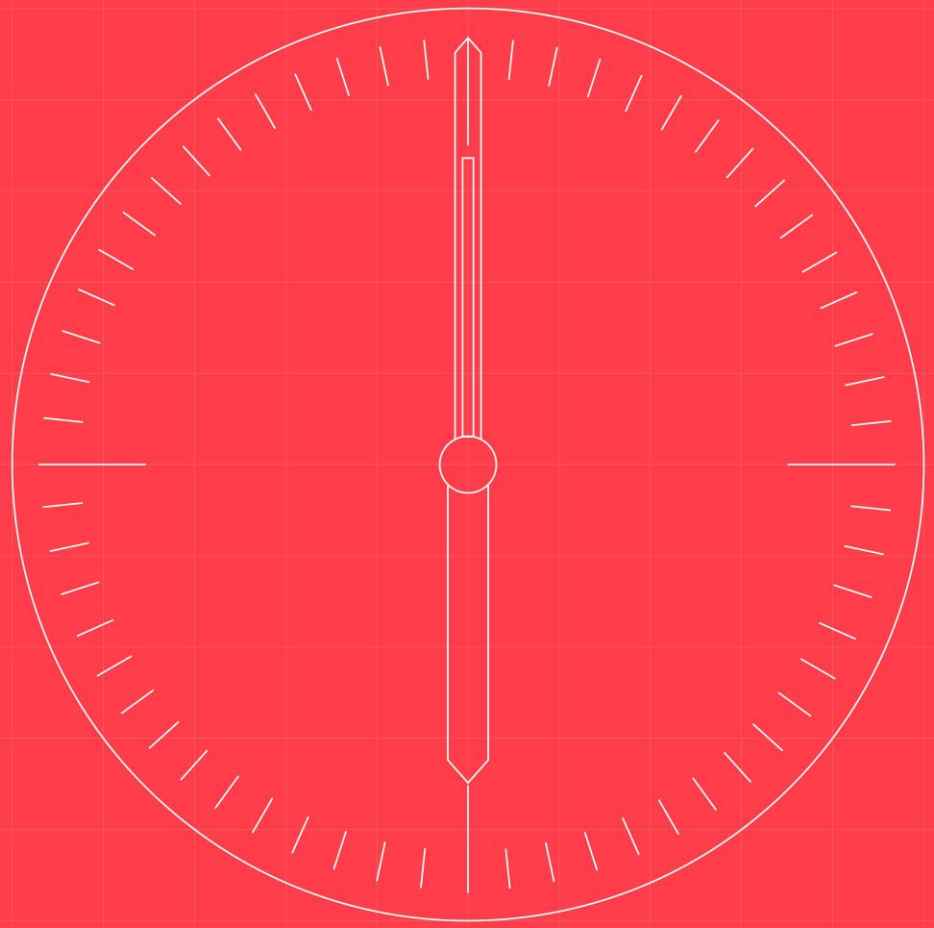


Consultation 1 is progressing according to plan

- The consultation closed on 8 April 2024
- 245 comments were received from 18 organisations – thank you
- Comment responses and updated artefacts were issued on 19 April 2024
- The Assurance meeting is scheduled for 26 April and MCAG approval for 8 May 2024
- There were no material changes or concerns raised by Participants
- Three themes will undergo further development as part of Consultation 2

The schedule for Consultation 2 will be discussed with MWG at the 26 April meeting

Programme Reporting



INFORMATION: Updates from the Programme on System Integration Testing (SIT)

Programme (Adrian Page)

10 mins

Testing Update (as at 24-Apr)

SIT Functional

- All PPs have now started Cycle 1 test execution in line with their agreed start date
- Progress is steady
- No major defect blockers have been encountered so far
- MI reporting being provided to Cohorts (PPs + CCPs) - summary on subsequent slide
- Complexity of reporting has hampered provision of some MI reporting
- Cycle 1 progress and impact on next SIT stages being monitored at FTIG
- Cycle 2 inc Settlement testing readiness is in progress (starts 10-Jun)

SIT Migration

- Starts 10-Jun-24 on IR7.1 in SITA environment
- Start is dependent on achieving the Cycle 1 outcome on CoS and CoA coverage
- One set of RTTM and Test Scenarios remain outstanding
- Test Scenarios and Test Cases – Themes 2 & 3 approved at recent SITAG with 2 work off items, so all themes agreed
- Placing Reliance submission updates provided and sent to Code Bodies
- PIT completion due 10-May, however several parties agreeing later dates with the test team so likely to see a staggered start like SIT Functional

Other SIT Stages

- Non-Functional - Approach & Plan consultation completed and on track for May SITAG approval. Test Scenarios and Test Cases development approach approved at Apr SITAG and shared with FTIG
- Operational – Approach & Plan consultation completed and on track for May SITAG approval. Test Scenarios and Test Cases development approach approved at Apr SITAG and shared with FTIG

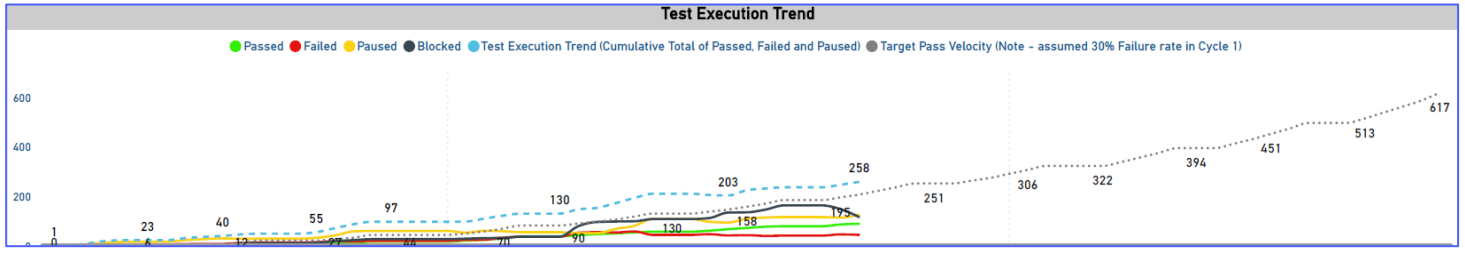
SIT Functional Test Status (23rd Apr 24)

Cycle 1 Outcome Objectives:

1. **Business Processes tested (not passed) utilising Single MPAN Data, established using a summation of all 8 Cohort Test progress achievements**

2. **SIT Migration dependant Processes executed and passed, with any exceptions documented and agreed**

Cohort	Total	To Be Executed	Total Executed	Passed	Failed	In Progress	Paused	Blocked	N/A	Total Executed %	Passed %	Failed %	Paused %	N/A %
SITF Cohort A	105	48	57	20	13	0	12	12	0	54%	19%	12%	11%	0%
SITF Cohort B	83	45	38	14	3	0	6	12	3	46%	17%	4%	7%	4%
SITF Cohort C	83	43	40	16	5	0	7	12	0	48%	19%	6%	8%	0%
SITF Cohort E	83	47	36	7	0	0	10	16	3	43%	8%	0%	12%	4%
SITF Cohort F	83	44	39	9	2	0	21	7	0	47%	11%	2%	25%	0%
SITF Cohort G	105	55	50	7	2	0	19	19	3	48%	7%	2%	18%	3%
SITF Cohort H	83	44	39	4	2	0	13	17	3	47%	5%	2%	16%	4%
SITF Cohort J	105	58	47	12	5	0	22	8	0	45%	11%	5%	21%	0%
SITF Shared Cohort A and C	37	26	11	0	4	0	5	2	0	30%	0%	11%	14%	0%
SITF Shared Cohort A, G and J	4	4	0	0	0	0	0	0	0	0%	0%	0%	0%	0%
SITF Shared Cohort B and E	35	30	5	0	0	0	0	5	0	14%	0%	0%	0%	0%
SITF Shared Cohort F and J	37	29	8	0	2	0	6	0	0	22%	0%	5%	16%	0%
SITF Shared Cohort G and H	37	21	16	0	6	0	4	6	0	43%	0%	16%	11%	0%
Total	**880**	**494**	**386**	**89**	**44**	**0**	**125**	**116**	**12**	**44%**	**10%**	**5%**	**14%**	**1%**



Headlines (in week 7 of 11):

- All Cohorts, PPs and Market Roles are PIT complete and now able to progress, no major defect blockers encountered so far

- Test execution has continued to maintain a steady trajectory from the outset, with the rate of tests exercised trending well

- **Objective 1 -** whilst the overall Pass rate is tracking below the desired target for the majority of (but not all) individual Cohorts, using the summation of all Cohorts activity Objective 1 is currently on target to be achieved within Cycle 1 timescales (**164 unique Cycle 1 test cases** in scope):

Category (= status in at least 1 Main Cohort, or Paired Cohort)	Total	%
Unique tests exercised i.e. either with a Passed, Failed or Paused status	**106**	**65%**
Of which;		
Unique tests with at least 1 Cohort in a Passed status	**29**	**18%**
Unique tests with at least 1 Cohort in a Failed status	**31**	**19%**
Unique tests with at least 1 Pass and 1 Fail	**8**	**5%**
Unique tests with either a Pass or Fail status (or both)	**68**	**42%**
Unique tests with at least 1 'Paused' status (but no Passed or Failed)	**38**	**23%**
And;		
Unique tests yet to be exercised by any Cohorts	**58**	**35%**

- **Objective 2** – traction in 'Paired' testing is yet to been seen, a risk has been raised, and this is being monitored…

MHHS PROGRAMME
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How do the Cohorts Compare? (23rd Apr 24)

Cohort Pass Rate								
Cohort	Total Tests	Passed	Failed	Paused	Exercised	Defects Raised	Unmetered In Scope	Commentary
A	105	20	13	12	45	48	Unmetered	**Executing the most tests, raising the most defects, both highest Passed and Failed rates.** Has been above Target Pass Velocity, but dipped below more recently
C	83	16	5	9	28	24	N/A	Steady rate of execution, relatively low failure rate, 2nd highest Pass rate, joint 2nd place for defects raised, **Currently on Target Pass Velocity**
B	83	14	3	9	23	27	N/A	**3rd place for Pass rate, demonstrating good progress despite ADS delay** having impacted circa 50% ADS involved test cases (unblocked since 12th Apr)
J	105	12	5	10	25	27	Unmetered	**Good steady all round progress**, 4th place for Passed rate, joint 2nd place for number of defects raised and average execution rate amongst the main cohorts
F	83	9	2	19	32	11	N/A	**Commenced 2 weeks later due to delay in MSS role PIT completion**, impacted circa 70% test cases for the Cohort, now unblocked since 12th Apr. **Despite later start is currently 2nd place for execution rate**, 5th place for Pass rate, with relatively low failure rate
E	83	7	0	6	17	21	N/A	**Commenced 2 weeks later, circa 50% tests impacted due to SDS not able to commence until 15th April**, in the bottom 2 of main cohorts for execution rate, and bottom 3 for Pass rate, lowest Failed rate
G	105	7	2	17	28	18	Unmetered	**Joint 3rd of the main Cohorts for execution rate**, bottom 3 for Passed rate and low Failed rate
H	83	4	2	10	23	21	N/A	Of the main cohorts has comparatively low execution and Failure rates, and lowest Pass rate
A & C	37	0	4	2	6	17	Unmetered	**Execution activity beginning to progress in line with strong position of both main Cohorts**, with the highest number of Paired cohort defects raised
B & E	35	0	0	5	5	4	N/A	Activity is gearing up
F & J	37	0	2	0	2	6	Unmetered	Limited traction to date, but activity is increasing
G & H	37	0	6	6	12	11	Unmetered	**Highest amount of Paired cohort activity to date**, including 2nd highest defects raised
A,G & J	4	0	0	0	0	1	Unmetered	Limited activity, dependent Cohort members to progress

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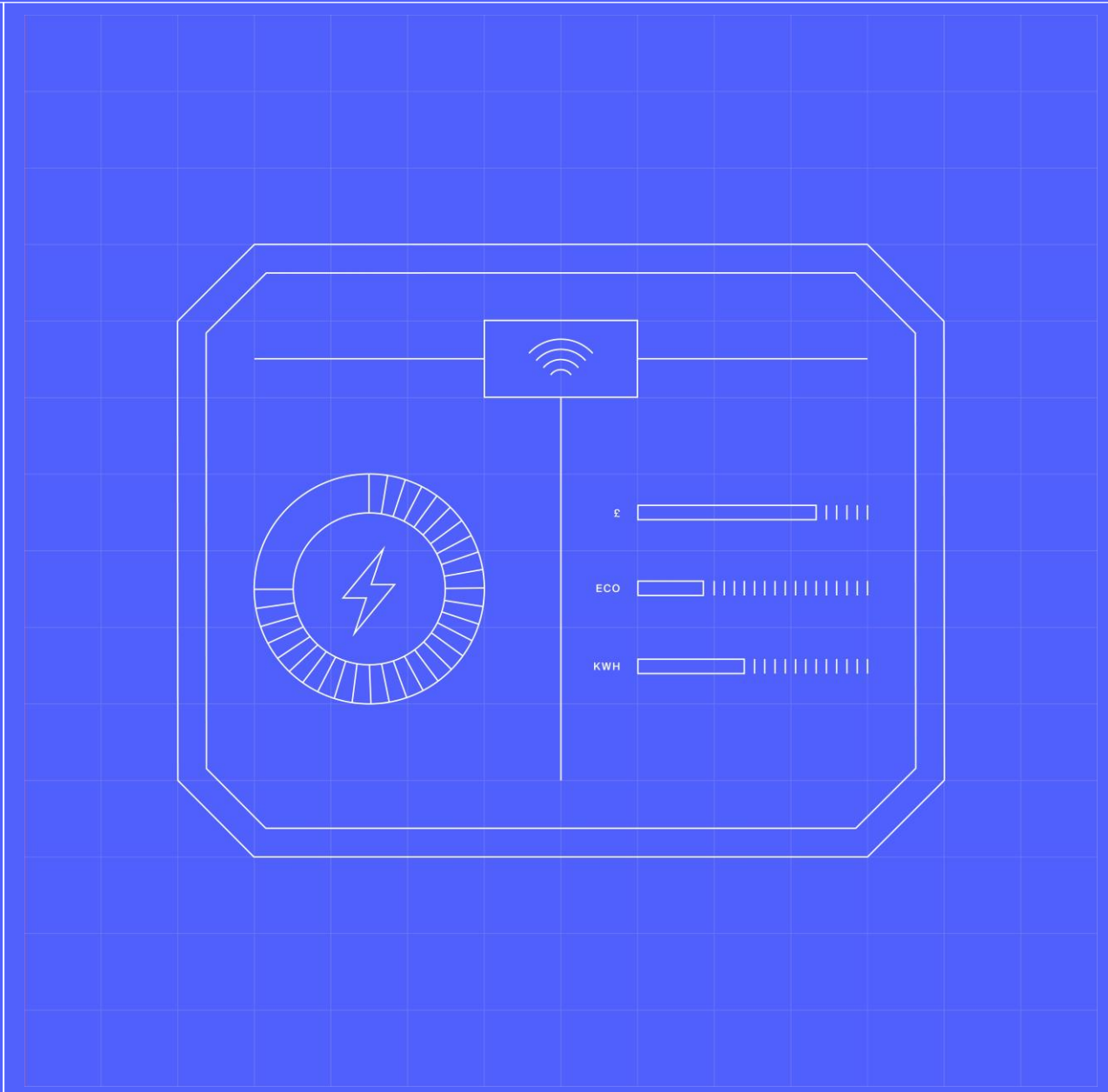
N.B. *Blocked tests have been excluded as in the majority of cases these tests have not had any steps executed.*

Delivery Dashboards



INFORMATION: Questions from PSG members on delivery dashboard content

Chair

15 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

Risk theme 1: Risks to SIT Functional Execution *(Page 1 of 2)*

Theme	Summary	Mitigation Approach Overview	RAG Status	
Risks to SIT Execution	The theme explores the factors which may affect the Programme being able to complete SIT within the planned duration	• Continuous monitoring of the MVC (through SIT CIT) to ensure that the MVC remains viable • Maintenance of pairing relationships via go-live cohorts, to enable better programme decisions based on risks / clarity on ways of working that enable SIT parties to work effectively, transparent and fairly with the programme to complete SIT in an optimum way	**Previous RAG**	**Yellow (10 risks)**
			Current RAG	**Yellow (8 risks)**

Key Risks

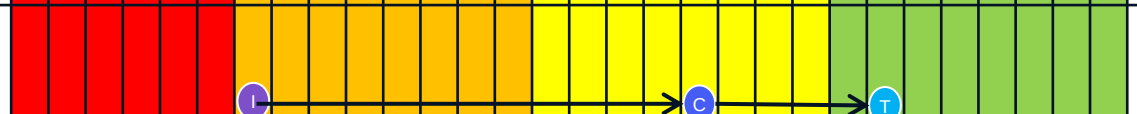
Risk ID	Risk Description	Risk Score Assessment (Critical 30–25 · High 24–17 · Medium 16–9 · Low 8–1)	Current score movement since last PSG	Mitigation Plan
R803	There is a risk that triage / defect management is not effective in equitably addressing priorities and ensuring optimum execution progress	I C → T	Score remains at 16	1. Encourage ownership of testing success within each cohort, to supplement and enhance the programme team's overall co-ordination of testing activities 2. Manage the balance of MVC progress (prove the E2E design) vs. cohort progress (risks to migration)
R804	There is a risk that there could be different interpretations of the Design	I C → T	Score remains at 20	1. The design team will be actively involved in the triage of defects (daily defect management calls) during SIT to help to mitigate different interpretations of the design, whilst avoiding unnecessary design change.
R670	There is a risk that software / service provider SIT blockers may impact multiple suppliers SIT readiness and completion	I C → T	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 - SIT pairings 2. Specifically monitor blockers through FTIG and PPC bilateral meetings 3. SIT cohorts (was pairings) identify the key PPs (ie MVC) for SIT and migration. 4. Progress reported weekly at FTIG. Bilaterals requested by some PPs to discuss.

Key	
I	Initial Score
C	Current Score
T	Target Score

Risk theme 1: Risks to SIT Functional Execution (*Page 2 of 2*)

Theme	Summary	Mitigation Approach Overview	RAG Status	
Risks to SIT Execution	The theme explores the factors which may affect the Programme being able to complete SIT within the planned duration	• Continuous monitoring of the MVC (through SIT CIT) to ensure that the MVC remains viable • Maintenance of pairing relationships via go-live cohorts, to enable better programme decisions based on risks / clarity on ways of working that enable SIT parties to work effectively, transparent and fairly with the programme to complete SIT in an optimum way	**Previous RAG**	**Yellow (10 risks)**
			Current RAG	**Yellow (8 risks)**

Key Risks

Risk ID	Risk Description	Risk Score Assessment	Current score movement since last PSG	Mitigation Plan
R832	There is a risk that the Settlement data (and data load plan) is under development and is not agreed at the next DWG and delays the start of Settlement testing		New item	1. Target to finalise test scenarios and agree MPAN numbers by 26/04 to mitigate risk. Data prep work to start on 29/04
R802	There is a risk that SIT F Cycle 1 Testing may not achieve the outcome objectives.		New item	1. Continuous Assessment of Coverage Target - 'All Business Processes tested utilising Single MPAN Data, established using a summation of all 8 Cohort Test progress achievements' in place 2. Continuous Assessment of Coverage Target – 'SIT Migration dependent Processes, Linked Cohort CoS and CoA, executed and passed, with any exceptions documented and agreed' in place.
R849	There is a risk, raised by some Participants in SITWG, FTIG, SITAG and NFTWG that the delivery of SIT Functional Tests are more difficult than expected, exacerbated by late delivery of Documentation along with the upcoming (as defined in CR022) concurrent SIT Test Stage execution activities, resulting in some Participants under increased pressure to deliver at the pace required.		New item	1. Programme to discuss bilaterally with Participants that directly raised the concerns to establish any improvements that can assist 2. Programme to monitor throughout and continue to listen to Participants 3. Participants to raise directly with Programme if stresses become blocking issues

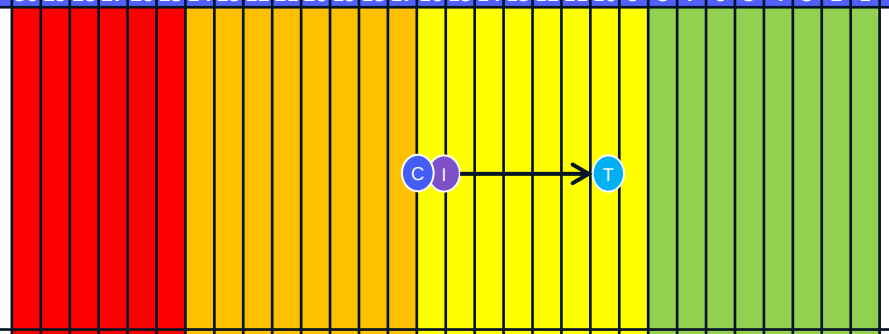
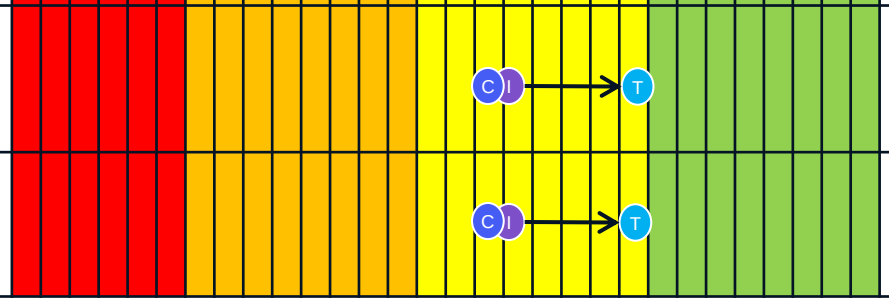
Key	
I	Initial Score
C	Current Score
T	Target Score

Risk theme 2: SIT Migration Readiness

RAID (3 of 7)
Updated to 01/05/2024

Theme	Summary	Mitigation Approach Overview	RAG Status	
SIT Migration Readiness	The theme explores the factors that could impact the Programme being ready to start SIT Migration	• PP Bilaterals enable ongoing monitoring and will allow the Programme to identify early if there are any PP's that are at risk of being unable to start SIT Migration • Discussions with DCC to ensure clarity regarding CSS support for reverse migration activities.	**Previous RAG**	***New slide***
			Current RAG	**Amber (3 items)**

Key Risks

Risk 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
R830	There is a risk that PPs will not be ready to start SIT Migration		New Item	1. This has been discussed with specific PPs in their bilaterals and will continue to be monitored closely. SIT Team will look at contingency planning to see if we can accommodate some later entry.
R837	There is a risk that following the production of test cases, DCC will have to play more of an active role than previously thought in migration testing.		New Item	1. Discussions with DCC to agree what support is required from CSS to support reverse migration activities. Test planning will be undertaken to reduce the impact on DCC resources, meaning DCC involvement in test initiation will be limited to a set number of days in the migration test phase.
R838	There is a risk that Rec Co might not be able to support the proposed use of Rec Co test MP ID's		New Item	1. Agreement with Rec Co that their DTS gateway can be used for the purposes of migration testing

Key	
I	Initial Score
C	Current Score
T	Target Score

Risk Theme 3: Risks to Qualification success *(Page 1 of 2)*

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.	• CR 47 and 48 going through programme governance for approval. This includes some additional milestones to support participant planning. • Ongoing collaboration between MHHSP and Code Bodies and industry to develop Qualification material through QWG • Qualification Approach and Plan, Qualification Assessment document (QAD), LDSO qualification testing approach approved at March's QAG / PABs. Supplier & Agent test approach due to be approved at May QAG.	**Previous RAG**	**Amber (16 risks)**
			Current RAG	**Amber (18 risks)**

Key Risks

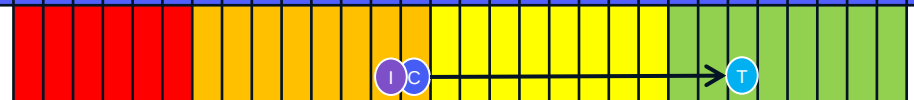
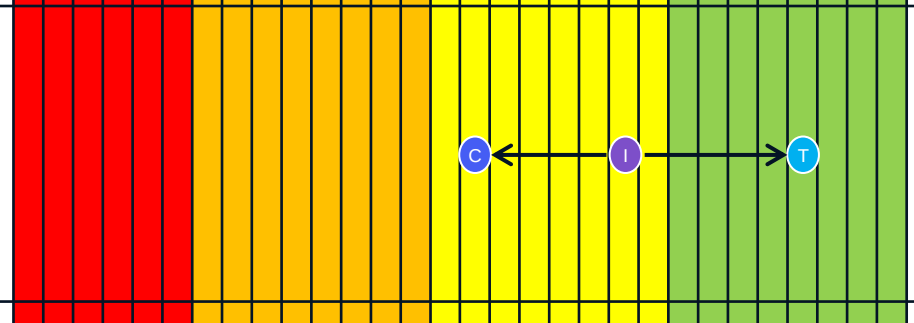
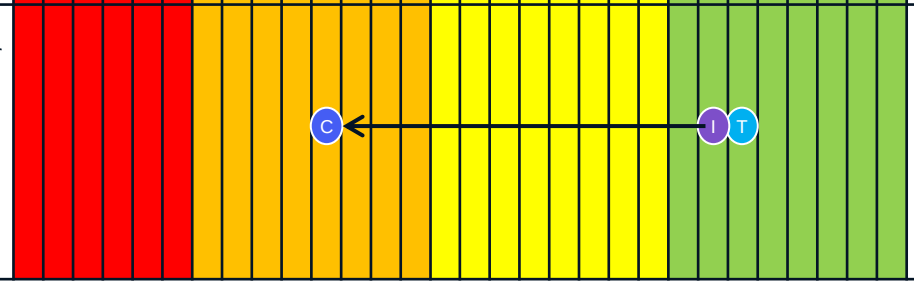
Risk/Issue ID	Risk Description	Risk Score Assessment (Critical: 30–25; High: 24–17; Medium: 16–9; Low: 8–1)	Current score movement since last PSG	Mitigation Plan
R653	There is a risk that the programme do not mobilise test environments or harnesses in support of Non-SIT LDSO QT	C 12 ← I 10 → T 3	Score remains at 12	1. Discussions held with DIP and DIP are working towards a DIP UIT environment being available by 1 August 2024. 2. LDP has delivery plan for delivery of test harnesses which they are confident in. Conversations ongoing on incorporating Helix into scope ***(Key reason for the current score reducing)***
R276	There is risk of Elexon BSC and/or RECCo having limited capacity to manage the volume of Participants going through Qualification testing at any one time	I 15 C 14 → T 4	Score remains at 15	1. Code Bodies are asking PPs to submit a pre-qualification submission which will be used to allocate waves so that the Code Bodies have a view through Qualification and can adjust resourcing levels as needed to support this. 2. Once PQS responses have been received, Code Bodies will review any potential capacity constraints that they may have and make adjustments, where reasonably possible, so as to avoid the need to move non-SIT parties into later Qualification Waves
R332	Suppliers may require maximum amount of time to complete their DBT, resulting in backlog in final waves of Qualification	C 15 ← I 10 → T 7	Score remains at 15	1. Initial assessment of Qualification Wave preferences undertaken by PPC. 2. Code Bodies have asked Non-SIT Suppliers and Agents to provide a Pre-Qualification Submission by 26 April. This will provide a view on supplier's plans for Qualification and preferred Qualification Wave. Once this information is received then Code Bodies will review any potential capacity constraints and make adjustments,, to allow them to manage participant's preferred Qualification Wave. This information will also be made available to the Programme so that it can understand the impact of supplier's plans on their Migration start dates.

Key	
I	Initial Score
C	Current Score
T	Target Score

Risk Theme 3: Risks to Qualification success *(Page 2 of 2)*

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.	• CR 47 and 48 going through programme governance for approval. This includes some additional milestones to support participant planning. • Ongoing collaboration between MHHSP and Code Bodies and industry to develop Qualification material through QWG • Qualification Approach and Plan, Qualification Assessment document (QAD), LDSO qualification testing approach approved at March's QAG / PABs. Supplier & Agent test approach due to be approved at May QAG.	**Previous RAG**	**Amber (16 risks)**
			Current RAG	**Amber (18 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
R532	There is a risk that SIT participants will need to execute additional Qualification Testing to qualify		New item	1. SI Test team reviewing Code Bodies' requirement & test case coverage gaps 2. Agreed approach to PIT with Code Bodies – action underway to progress 3. Agreed approach to LDSO coverage with Code Bodies and Non-SIT LDSO team – underway
R695	Code Bodies will not be ready to complete Supplier and Agent Qualification in time for waves (time)		Score remains at 15	1. Code Bodies have published qualification document that sets out a clear plan for required activities and associated documentation on qualification requirements (e.g. QA&P v2 (including Annex 1 and 2 on testing approach), QAD v1 and REC and BSC assessment criteria ***(Key reason for the current score reducing)*** 2. Dates from the approved QA&Pv2 to be included in the Programme Plan via CR47 and CR48 and Code Body activity is currently tracking to these dates. 3. Code Bodies reporting progress on Qualification activities to MHHS Programme (inc PSG, QAG and Programme Project Board). 4. Detailed plan being developed by Code Bodies and shared with MHHS Programme for review.
R584	There is a risk that Elexon PAB and REC PAB define the scope of Supplier Qualification to cover the full scope of Supplier activity and obligate Suppliers who do not intend to serve UMS to test UMS functionality		New item	1. RECCo has notified Elexon that a CSS change to automate controls on CoS for UMS cannot be delivered and as this was a condition of PAB approval of the exemption, this is going back to PAB. 2. Programme supporting Elexon PAB team in advance of PAB. There is a significant risk that PAB will not grant this exemption, resulting in further work to mitigate a likely 6 month delay to the Programme.

Risk Theme 4: 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 becoming 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, Cutover Plan, Migration Framework, Early Life Model and ongoing Code Drafting will provide Participants necessary materials to prepare for M10 / M11.	Previous RAG	Yellow (36 Items)
			Current RAG	Yellow (37 Items)

Key Risks

Risk 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
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 → T	Score remains at 18	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. 4. SRO will perform oversight when validating supplier plans.
R488	There is a risk that a significant volume of export MPANs created within Programme transition timescales will impact the ability of suppliers and DNOs to deliver Programme Migration	C I → T	Score remains at 13	1. Programme to engage Ofgem to clarify what existing obligations mean for Programme and Parties 2. Licence consultation closed on 13/3/2024. Await findings to ascertain way forward
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 ← I T	Score remains at 16	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)
R753	There is a risk that if the MHHS Service Design and build phases are not completed by Elexon at pace, the required service management processes will not be ready to test within the SIT Operational testing phase in October 2024.	C I → T	Score remains at 18	1. Elexon's Helix programme have mobilised a team and commenced work of the detailed Service Design 2. Governance route for industry approval of detailed Service Design needs to be agreed between MHHSP and Elexon 3. Programme currently engaging with Elexon to monitor progress.
R828	There is a risk that Suppliers initiate more migrations than planned, or exceed the Threshold volumes	C I → T	Score remains at 15	1. Incorporate planning of when messages will be sent into the design of the MCC. 2. Considering controls/incentives to be utilised

A new RAID item can be raised using the **RAID Log Input Form**

You can view RAID items across the programme using **dPMO Tool**

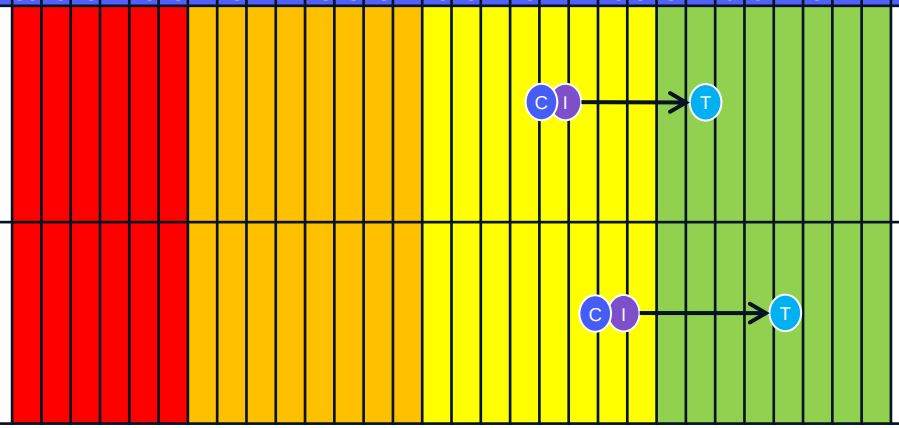
Key	
I	Initial Score
C	Current Score
T	Target Score

Risk theme 5: Readiness and Prep for Technical Go-Live (M10)

RAID (7 of 7)
Updated to 01/05/2024

Theme	Summary	Mitigation Approach Overview	RAG Status	
Readiness and Prep for Technical Go-Live	This theme explores the risks to Central Systems being ready to operate within the new MHHS arrangements at M10. It looks at the activities that need to be completed in order for Participants to successfully operate within the new arrangements.	• Service Management Strategy has been signed off, enabling Elexon to progress with the detailed Service Design • Data Cleanse Plan has been developed and circulated, ongoing support and assurance provided by the Programme to ensure progress is being made by participants. • Continuous monitoring of risks through discussion in the DCWG and TORWG	**Previous RAG**	***New slide***
			Current RAG	**Yellow (12 items)**

Key Risks

Risk 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
R839	There is a risk that Central Services will not be ready to Go-Live by M10		New item	1. Programme assurance of Central Services Readiness activities, key deliverables and requirements identified in the cutover plan. This is dependent on Central Services completing SIT.
R427	There is a risk that new MHHS data won't be populated prior to M10. Failure to populate the data for each MPAN will impact migration		Score remains at 10	1. Individual participants fulfilling their objectives in the Data Cleanse Plan. 2. Programme to monitor and assure progress by participants vs the Data Cleanse Plan through the DCWG.

A new RAID item can be raised using the **RAID Log Input Form**

You can view RAID items across the programme using **dPMO Tool**

Key	
I	Initial Score
C	Current Score
T	Target Score

MHHS PROGRAMME
Industry-led, Elexon facilitated

Change Request Status

Change Control
Updated to 16/04/2024

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*
CR043	Supplier Registration of ABMU and MPAN Mapping	Mike Ceney, Elexon	Full Impact Assessment	Approved by DAG (13-Mar-24)	**Approved**	Complete			Paul Pettitt, MHHS Programme
CR044	Implementation of 'Data Refresh' Message IF-051	Sean Cooper, MHHS Programme	Full Impact Assessment	Awaiting PSG decision on implementation	**Open**	Approval decision			
CR045	Supply Start Date (SSD) Correction Tool	Sean Cooper, MHHS Programme on behalf of SCS	Full Impact Assessment	Awaiting PSG decision on implementation	**Open**	Approval decision			
CR046	Enabling Metering Point Energy Flow to be changed more than once	Harriet Truss, RECCo	Full Impact Assessment	Approved by DAG (10-Apr-24)	**Approved**	Implementation	Implement in IR8.X	TBC	Paul Pettitt & Sean Cooper, MHHS Programme
CR047	Amending Qualification Milestones for non-SIT LDSO QT	Ben Wickins, MHHS Programme	Full Impact Assessment	Approved by Change Board (12-Apr-24), subject to ratification by PSG	**Open**	Approval decision			
CR048	Amending Qualification Milestones for Non-SIT Supplier and Agent QT	Laura Kennedy, Credera	Full Impact Assessment	Approved by Change Board (12-Apr-24), subject to ratification by PSG	**Open**	Approval decision			
CR049	Swagger Open API 3.0 to 3.1 Upgrade	Rob Golding, MHHS Programme	Full Impact Assessment	Withdrawn by Change Raiser	**Withdrawn**	Withdrawn			
CR050	Amendments to the MHHS Change Control Approach and Form	Immy Syms, MHHS Programme	Housekeeping	Awaiting Change Board approval (30-Apr-24)	**Open**	Development			

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 24-Apr-24)

Test Stage	RAG	Comment
CIT		SITAG approved the CIT completion report 11-Mar-24
Functional		Cycle 1 test execution commenced as planned on 11-Mar-24 All Cohorts, PPs and Market Roles are now progressing, no major defect blockers have been encountered so far. Test execution has continued to maintain a steady trajectory from the outset Preparation under way for Cycle 2 inc Settlements - starts 10-Jun-24
Migration		Test execution commences: 10-Jun-24 in SITA Test Environment Test Approach (plus associated Test Data) Approach and Plans: approved Dec TMAG Test Scenarios & Test Cases: all themes approved by SITAG (Mar & Apr 2024) with 2 work off items. PP Test artefacts outstanding and overdue: 1 RTTM and 1 set of Test Scenarios Assurance in progress Data on track Placing reliance submissions received and shared with Code Bodies PIT completion 10-May CoS and CoA SIT Functional Cycle 1 Tests under monitor as will influence SIT Migration start 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		Test execution commences: 02-Sep-24 Test Approach and Data (plus associated Test Data): Industry Consultation closed, LDP updated documents and issued for Industry Assurance, SITAG approval 15-May Test Scenarios & Test Cases: Delivery plans approved at April SITAG Theme 1 – Forecast for SITAG Approval 19-Jun Theme 2 – Forecast for SITAG Approval 17-Jul Theme 3 – Forecast for SITAG Approval 17-Jul
Operational		Test execution commences: 07-Oct-24 Test Approach and Data (plus associated Test Data): Industry Consultation closed, LDP updated documents and issued for Industry Assurance, SITAG approval 15-May Test Scenarios & Test Cases: Delivery plans approved at April SITAG Theme 1 – Forecast for SITAG Approval 17-Jul Theme 2 – Forecast for SITAG Approval 17-Jul Theme 3 – Forecast for SITAG Approval 21-Aug

SIT Stage Readiness Key – Outlook to reach and progress through each Stage

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

SIT – MVC Status (as of 19-Apr-24)

CCP Readiness Key

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

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	9	Callisto, Energy Assets ,IMServ, Itron, Kraken Data Services, npower Business Solutions, SMS, Stark, TMA
		Smart Data Services	2	6	Callisto, IMServ, Kraken Data Services, 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, Wheatley
National Grid (ESO)	1		*1*	*1*	National Grid (ESO)

Look Ahead – Key Milestones Status at 24-Apr-24 (1)

To align to weekly reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 17/04/24	Current RAG 24/04/24	Forecast RAG 01/05/24	Commentary
T3-TE-0067	QAG	E2E Sandbox Guidance approved	Fri 04/08/23	Fri 18/07/24	SI Test				Plan and early view on Sandbox Guidance discussed in QWG 9th April. Currently updating proposal for bringing dates forward and to present that at the May QAG. Proposed E2E Sandbox Guidance to be signed-off at 18th July QAG
T3-DB-0145	SITAG	All SIT Migration PIT RTTMs submitted to Programme for assurance	Thu 07/03/24	Thu 07/03/24	PP				33/34 received. Remainder to be chased
T3-DB-0147	SITAG	All SIT Migration PIT test scenarios submitted to Programme for assurance	Thu 07/03/24	Thu 07/03/24	PP				33/34 received. Remainder to be chased
T3-DB-0144	SITAG	All SIT Migration PIT Test approach and plans MHHS Reviews Completed	Thu 11/04/24	Thu 11/04/24	SI Test				All received. All but 1 reviewed
T3-DB-0146	SITAG	All SIT Migration RTTMs MHHS Reviews Completed	Thu 18/04/24	Thu 18/04/24	SI Test				Late because of late delivery or RTTMS 26/34 reviewed
T3-DB-0148	SITAG	All SIT Migration Test scenarios MHHS Reviews Completed	Thu 18/04/24	Thu 18/04/24	SI Test				Late because of late delivery or Test scenarios. 25/34 reviewed
TBC	QAG (Non-SIT LDSO)	Approval of Batch 1-3 Test Cases & Scenarios at QAG		Thu 18/04/24	Code Bodies				
TBC	QAG (Non-SIT LDSO)	Test Scenarios & Cases- Functional - Approved at QAG		Thu 18/04/24	Non-SIT LDSO				
T3-QU-0008	QAG (Non-SIT LDSO)	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Test Execution Schedule Approved	Fri 26/04/24	Thu 15/08/24	Non-SIT LDSO				Proposed change to Baseline Finish date to realign to forecast date included in Programme Change Request CR047

Document Classification: Restricted – document to be shared with FTIG members only

Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation

Look Ahead – Key Milestones Status at 24-Apr-24 (2)

To align to weekly reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 17/04/24	Current RAG 24/04/24	Forecast RAG 01/05/24	Commentary
T3-QU-0009	QAG (Non-SIT LDSO)	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Participants' Environments (TBC) Ready To Start Connectivity Proving (Incl. Certificates & Security Compliance)	Fri 26/04/24	Mon 05/08/24	Non-SIT LDSO				Proposed change to Baseline Finish date to realign to forecast date included in Programme Change Request CR047
TBC	QAG	Pre-Qualification Submission and PIT Test Plan Deadline for Submission		Fri 26/04/24	PP				Proposed new qualification milestone as part of Programme Change Request CR048
T3-TE-0033	SITAG	SIT Participants' SIT B environments ready to start connectivity proving (incl. certificates and security compliance)	Fri 03/05/24	Fri 03/05/24	SI Test				
T3-DB-0151	SITAG	SIT Non-Functional PIT Test Approach & Plan (PIT) submitted to Programme for assurance	Fri 10/05/24	Fri 10/05/24	PP				
T3-DB-0149	SITAG	All SIT Migration PIT Completion Reports submitted to Programme for assurance	Fri 10/05/24	Fri 10/05/24	PP				
T3-TE-0026	SITAG	SIT Non-Functional Testing Test Approach & Plan approved	Wed 15/05/24	Wed 15/05/24	SI Test				
T3-TE-0113	SITAG	SIT Non-Functional Testing Test Data Approach & Plan approved	Wed 15/05/24	Wed 15/05/24	SI Test				
T3-TE-0029	SITAG	SIT Operational Testing Test Approach & Plan approved	Wed 15/05/24	Wed 15/05/24	SI Test				
TBC	QAG (Non-SIT LDSO)	Test Scenarios & Cases - Migration - Approved at QAG		Thu 16/05/24	Non-SIT LDSO				Proposed new qualification milestone as part of Programme Change Request CR047
TBC	QAG (Non-SIT LDSO)	Test Data Plan Approved at QAG		Thu 16/05/24	Code Bodies				Proposed change to Baseline Finish date to realign to forecast date included in Programme Change Request CR047
TBC	QAG (Non-SIT LDSO)	QAG Approval for Operational, Non-Functional & Migration Annexes of Approach & Plan		Thu 16/05/24	Code Bodies				Proposed new qualification milestone as part of Programme Change Request CR047
T3-RE-0500	CCAG	Final code drafting (mop-up) approved	Wed 22/05/24	Wed 22/05/24	PP				
T3-DB-0150	SITAG	All SIT Migration PIT Completion Reports MHHS Review Completed	Fri 24/05/24	Fri 24/05/24	SI Test				Small number of PPs forecasting late delivery of PIT therefore at risk of late review
T3-MI-0023	MCAG	MCAG Approval of M10/M11 Cut-over Plan	Tue 28/05/24	Tue 28/05/24	SI Transition				

Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation

Look Ahead – Key Milestones Status at 24-Apr-24 (3)

To align to weekly reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 17/04/24	Current RAG 24/04/24	Forecast RAG 01/05/24	Commentary
T3-DB-0153	SITAG	SIT Non-Functional PIT RTTM submitted to Programme for assurance	Thu 30/05/24	Thu 30/05/24	PP				
T3-DB-0155	SITAG	SIT Non-Functional PIT test scenarios submitted to Programme for assurance	Thu 30/05/24	Thu 30/05/24	PP				
T3-QU-0065	QAG	Non-Functional Testing elements of Qualification Approach & Plan approved by REC Manager & BSC PAB	Thu 30/05/24	Thu 25/07/24	Code Bodies				Proposed change to Baseline Finish Date to realign to forecast date included in Programme Change Request CR048
T3-TE-0080	SITAG	Cycle 2 - PP's confirmation that test data is ready for SIT Functional	Fri 31/05/24	Fri 31/05/24	SI Test Data				
T2-TE-0650	SITAG	SIT Migration Testing Preparation Complete	Mon 03/06/24	Mon 03/06/24	SI Test				
T3-TE-0038	SITAG	SIT Migration Testing Start	Mon 10/06/24	Mon 10/06/24	SI Test				
TBC	QAG (Non-SIT LDSO)	Test Data Cut Complete		Mon 10/06/24	PP, Non-SIT LDSO				Proposed new qualification milestone as part of Programme Change Request CR047
TBC	QAG (Non-SIT LDSO)	PIT Test Plan Deadline for Submission for Non-SIT LDSO QT		Fri 14/06/24	Non-SIT LDSO				Proposed change to Baseline Finish date to realign to forecast date included in Programme Change Request CR047
T3-DB-0159	SITAG	SIT Operational PIT Test Approach & Plan (PIT) submitted to Programme for assurance	Fri 14/06/24	Fri 14/06/24	PP				
T3-TE-0092	SITAG	Environment Approach and Plan - SIT Non Functional	Wed 19/06/24	Wed 19/06/24	SI Test				
TBC	QAG (Non-SIT LDSO)	PP Test Scope Approved at QAG		Thu 20/06/24	Non-SIT LDSO				Proposed new qualification milestone as part of Programme Change Request CR047
T3-DB-0183	SITAG	DIP Simulator uplifted to align with Interim Release 8	Fri 21/06/24	Fri 21/06/24	SI DevOps				
T3-MI-0033	MCAG	MCAG Approval of Early Life Support Model	Tue 25/06/24	Tue 30/07/24	SI Transition				To go to 8th May MCAG for date change approval. Approval of ELSM delayed to allow for further development

Document Classification: Restricted – document to be shared with FTIG members only

Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation

MHHS - Monthly Delivery Report (St Clements)

Report Date: 19-04-2024

Core Capability Provider
St Clements

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress this Month:

- Continued supporting functional SIT Cycle 1 execution
- Recommending efficiencies within functional SIT execution
- Continued UAT testing of MPRS Sprint 5, 6 and 7 code
- Continued development and test of stage 0 data cleanse scripts
- Created functional SIT report to reflect number of retests not just test cases
- Assessed changes required to MPRS resulting from FSIT
- Preparation for Migration PIT
- Development of Migration impact assessment
- Assessment of Programme CRs (44, 45, 46)

Progress expected in the coming month:

- Continue supporting functional SIT execution
- Continue UAT testing of Sprint 5, 6, and 7 MPRS code
- Start UAT testing Sprint 8 code
- Complete preparation for Migration PIT and start execution
- Preparation for Migration SIT
- Planning of data loads for Migration SIT, Settlement Testing and SIT Cycle 2
- Stand up SIT-B environments for SOUT and ETCL

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
MPRS ready for start of functional SIT	06-11-23	14-02-24
MPRS ready for start of migration SIT	01-06-24	01-06-24

Risk or Issue & RAG	Mitigating or resolving action required	Target Date	Action owner
STCI11 – ISSUE - The significant overrun of CIT interval 2 testing impacting subsequent test phases	The programme reduced the scope of CIT tests but has not addressed the time lost, 'borrowed' from future test phases (UAT/CIT interval 6/functional SIT/migration SIT). Whilst Parties are looking at how they can accommodate such increasing Programme demands, the Programme to consider the parties having to commit significantly more time than planned and its impact on future programme milestones. DNOs are funding an increase in the size of the MPRS test team, quadrupling the size of the test team since the plan was baselined (CR022).	30/04/2024	Programme
STCR60 – Complete MPRS migration solution may not be ready for planned start of migration SIT	The complete MPRS migration solution is unlikely to be available at the start of migration SIT. With a little pragmatism from the programme, the migration SIT start date can still be met with sufficient MPRS migration functionality available. To minimise the impact of this, the programme should focus initial migration SIT tests on change of service provider migration, with both change of supplier and reverse migration coming later in the test cycle. By following this approach programme timelines would not be impacted (entry and exit of migration SIT).	Q2 2024	SCS
STCR46 - There is a risk that the Elexon/Ofgem Reporting requirements are not clarified in time to be developed and tested for M10	Existing industry reporting (to BSC/ Authority) provided by MPRS will need modifying to meet the changes implemented in MHHS. After M10, existing reports will become increasingly invalid and will not reflect the correct state of the electricity market if not modified. Reporting requirements have not been defined in the programme design	Q2 2024	Programme
STCR61 – There is a risk that Data Load for SIT-A environments for Cycle 2 &,Migration could disrupt progress of Cycle 1 test execution	**NEW** – Having to loading augmented data with SIT Cycle 1 in flight, it will not be possible to stop the generation and sending of large numbers of outbound IF messages triggered by the inbound PUB-031 & PUB-034 messages, leading to large numbers of messages being received by other participants. This could also cause legacy data flows being sent to LDSOs and CSS. Additionally, the current timing of loading during the SIT cycle 1 execution will remove the possibility of restoring back if there are issues with the data loading. Mitigate risk by delaying data loads until SIT 1 execution has completed	30/04/2024	Programme
STCR14 - BAU issues divert resource from MHHS programme (such as FS changes)	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
STCR59 - There is a risk that the 2 external industry CRs (REC-R0095 - to allow DNOs to reinstate de-registered MPANs & BSC - P459 - Allowing different supplier agents to be appointed to import and export MSIDs) will have a major impact on the MHHS design if approved	**NEW** – The impact would be major rework which cannot be absorbed in the current Programme timescales. Programme have been made aware via horizon scanning, R0095 is currently at solutions development stage and P459 is at assessment stage. No current timescales for when these will be accepted/rejected	30/04/2024	Programme
STCR58 - There is a risk that there is insufficient time available to fully test CR036 (Time change) ready for implementation into SIT functional cycle 2.	Programme to accept the risk that, although the functionality could be made available, comprehensive testing through UAT/PIT is unlikely to be complete. This could lead to avoidable defects being identified and retesting required.	30/04/2024	Programme

Assumption & RAG	Action required to remove assumption	Target Date	Action Owner
MPRS high level plan broadly remains the same following detailed IA	Detailed IAs for later sprints (including migration) 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. Consider delaying when functionality is required for testing	Ongoing	Programme
Governance/assurance does not impact MPRS delivery activities	Light touch and targeted approach	Ongoing	Programme

MHHS - Monthly Delivery Report (DCC)

Report Date: 19-04-2024

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 (Legal text now deployed) – Capacity uplift/Performance under planning
- •SEC - MP162 (MDR Role) User Integrated testing completed Mid March, Elexon SIT functional testing initiated

Capacity

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

New Requirements

- SIT Functional Testing – No issues raised in testing, however no Change of Supplier tests yet received
- Approach towards mitigation of the Migration Thresholds breach risk under review with Migration Delivery team – this is a high priority Risk for DCC given the potential impact on CSS/Switching
- Data Cleanse Approach & Plan Dates confirmed

Progress expected in the coming month:

- REC - Complete R0044 UIT testing
- SEC - Complete June 2024 SEC System Release UIT testing
- Capacity – Planning near completion to support 2024 delivery of uplift
- REC CSS Capacity costs to be confirmed with RECCo
- Bilateral meetings with Elexon covering Service Design
- Second Test Data Extract to support additional MPAN's required for Migration Testing
- Continued SIT FT Support

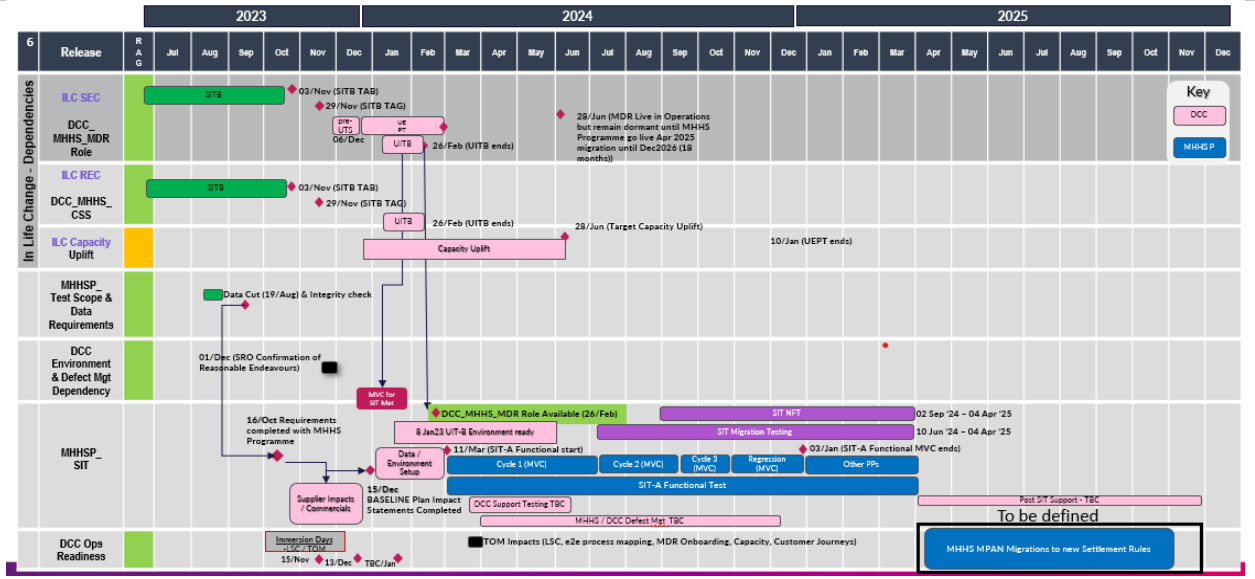
Party Milestones & Deliverables	Original or ~~Baseline~~ Date	Forecast date & RAG
Ofgem approval	25-10-22	28-11-22
MHHS SIT Start	11-03-24	11-03-24
MP162 Go-LIVE	27-06-24	27-06-24
R0044	27-06-24	27-06-24
Capacity Uplift	June 24/25	June 24/25
R0093	2025	April 2025

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

Top Risks and or Issues (See detail on page 2)
Migration Threshold Breach Risk – mitigations required for the operational & system risk to CSS of participants breaching the 300k Peak-of-Peaks.

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
No New Assumptions			

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



MHHS PROGRAMME
Industry-led, Elexon facilitated

Ref.	Risk	Calculated Risk	Mitigation / Update	Owner	Area
1	Risk to CSS performance if daily migration volumes exceed the 300k peak-of-peaks, for which there is no system-based control to prevent	High	DCC will work with Elexon Migration Delivery to identify the means to mitigate the likelihood of this occurring, and the actions to be taken in the event of an occurrence.	DCC/MHHS Programme	Migrations / Capacity
2	The current peak-of-peak migration thresholds defined in the Migration Thresholds document assume a peak-of-peak of 300K CoAs per day above "business as usual" (BAU) volumes. BAU volumes today may not reflect BAU volumes between April 2025 and October 2026 as we can anticipate MHHS to stimulate higher levels of switching as Suppliers offer new MHHS products and services.	Medium	CSS and DSP should be sized for a peak-of-peak CoA volume of 300K plus 291K (the original CSS peak-of-peak volume) to allow for growth in switching rates.	DCC	Migrations / Capacity
3	The changes required in CSS and/or DSP to achieve a peak-of-peak CoA volume of 591K may not be cost effective and/or technically feasible.	Medium	Include performance testing within the PRs raised with CGI and Landmark & Netcompany to confirm compliance with these volumes and make DCC commitment to associated SLAs contingent on successful completion of this testing.	DCC	Migrations / Capacity
4	Any changes which materially impact the Capacity Assumptions that form the basis of DCC's MHHS Capacity increases may not be able to be met, due to the time required to deliver capacity increases	Medium	PPIR on MDR usage has been received & analysed by DCC. A formal letter will be sent to Ofgem in May detailing the assumptions on which DCC has built the capacity which will be available at MHHS implementation.	DCC/MHHS Programme	Capacity
5	To date, a limited number of tests have been progressed in SIT which require DCC evidence. If this testing is conducted in a concentrated period, there is a risk that DCC cannot support at the volume required, as resources were necessarily estimated on a consistent basis across the testing period	Medium	Engagement via SITAG/FTIG & Bilaterals. Any requirement from Programme to increase the cadence of testing to be requested asap to provide DCC with an opportunity to reschedule resources.	DCC/MHHS Programme	Test Support

MHHS - Monthly Delivery Report (RECCo)

Report Date: 19/04/2024

Core Capability Provider
RECCo

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- EES continuing through SIT Functional Cycle 1
- Code Drafting Mop Up 2 updated post consultation and issued for CDWG assurance check ahead of CCAG approval in May.
- QAD v1.0 (jointly developed with Elexon) approved by REC and BSC PABs. Published 3 Apr.
- QA&P v2.0 (jointly developed with Elexon and Programme) approved by QAG, REC PAB and BSC PAB. Published 3 Apr.
- Three Pre-Qualification Submission Webinars held (for non-SIT Suppliers and Agents) ahead of party submission on 26 April.
- REC Qualification Assessment Criteria for Functional, Migration and Non-Functional requirements published 26 Mar.

Progress expected in the coming month:

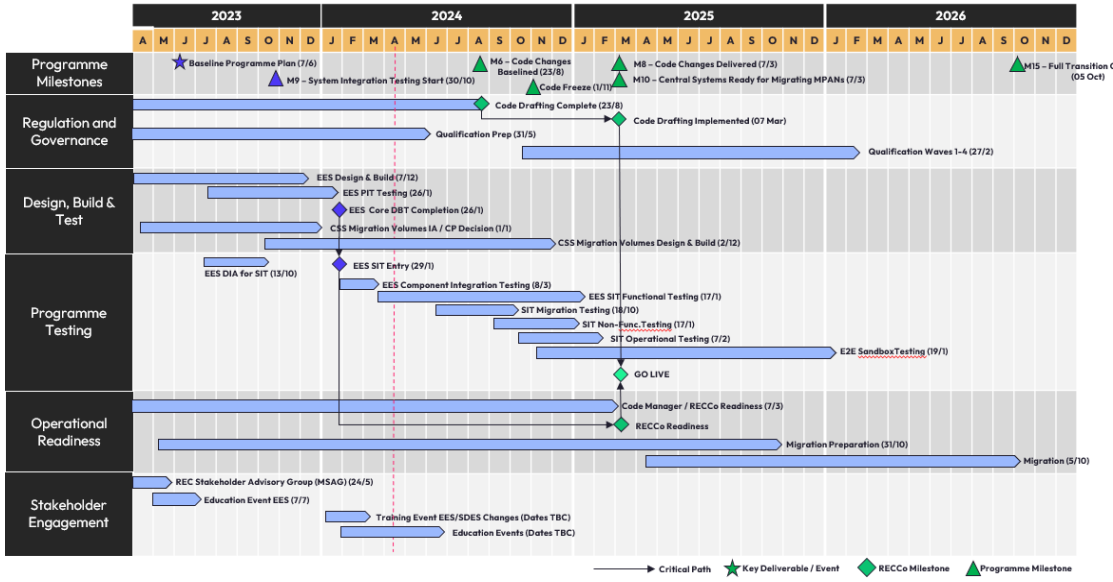
- EES continues through SIT Functional cycle 1 and PIT for SIT Migration
- Publish updated Mop Up 2 Code Drafting, post CDWG assurance check for recommendation by CDWG and approval by CCAG in May.
- Review Non-SIT Supplier and Agent PQS submissions (due 26 Apr) and publish early indication on profile of Qualification Wave requests.
- Update QA&P Annex 2 following industry consultation and seek QAG and REC/BSC PAB approval.
- Published consultation on QA&P and QAD (Non-Functional updates).

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
Code Drafting – Final Code Review – CCAG Approval	13/05/2024	13/05/2024
Qualification Approach & Plan v3 Issued	28/06/2024	28/06/2024
MEM/Supplier/DNO Assessment Criteria Updated	28/06/2024	28/06/2024
SIT Functional Execution – Cycle 1 Complete	28/06/2024	28/06/2024
Code Drafting Complete	23/08/2024	23/08/2024
Qualification Assessment Document v2 Issued	30/08/2024	30/08/2024

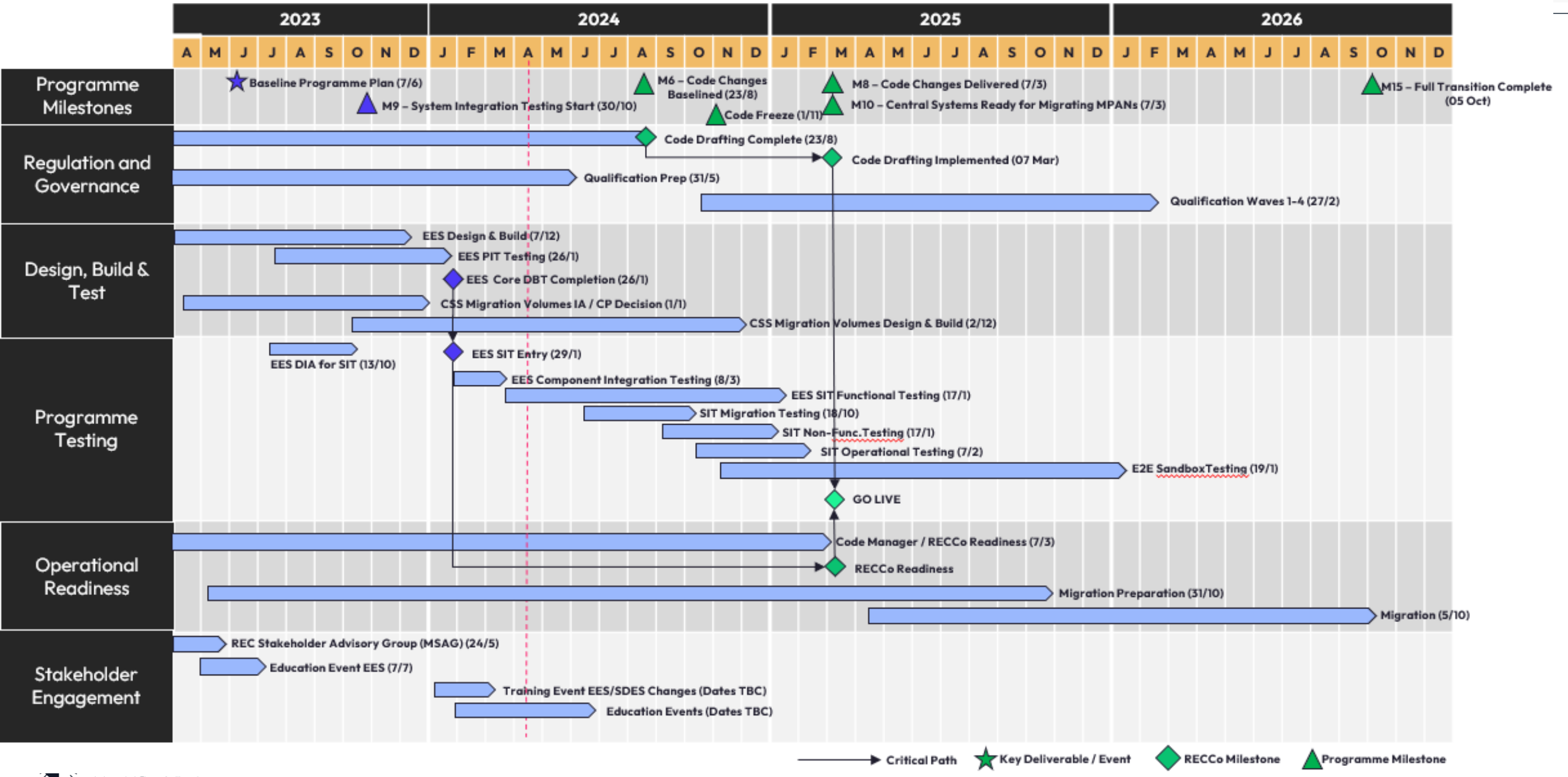
Decisions required	From whom?	By when?
None		

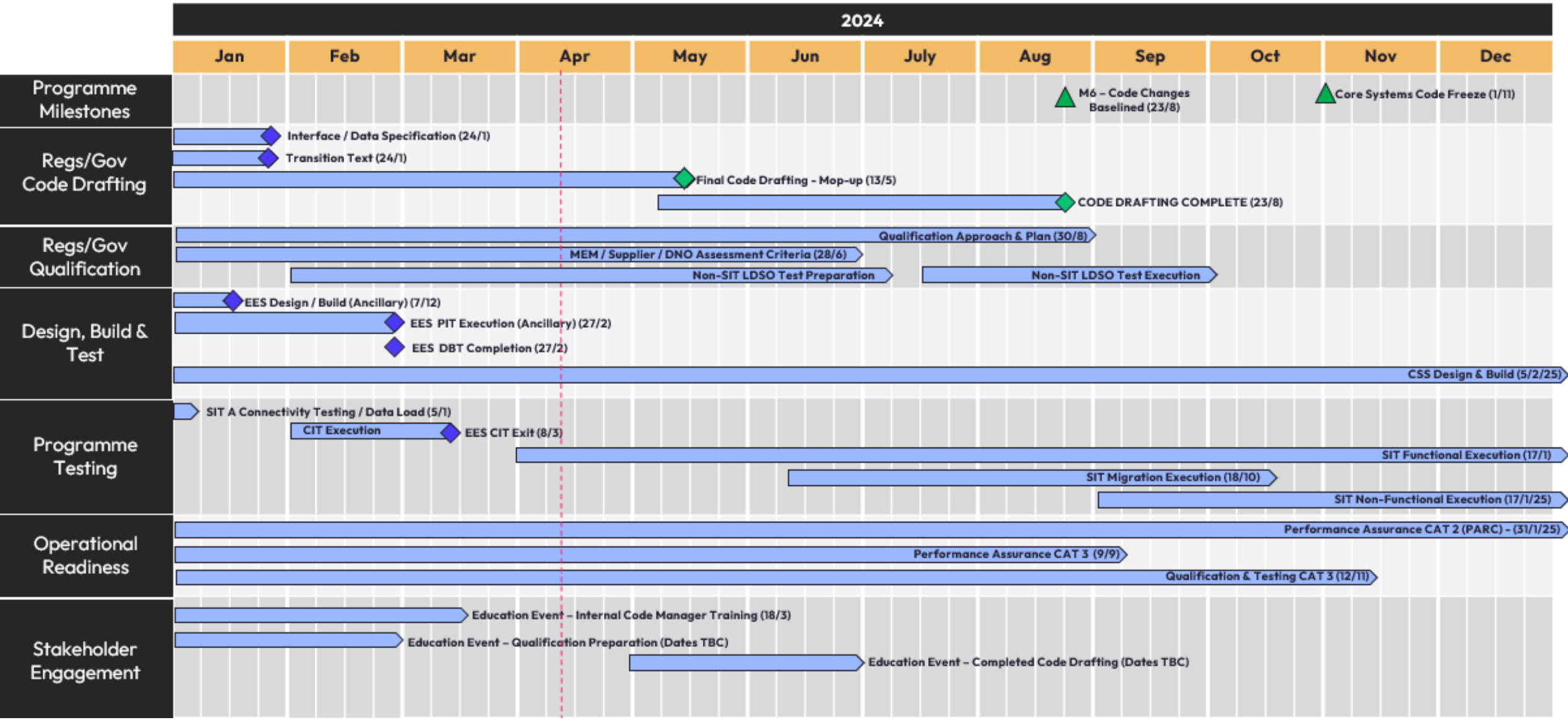
Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Key operational processes required for MHHS will not be sufficiently developed, documented and tested ahead of MHHS go-live. Including roles and interactions between BSC/DIP, REC and Switching service desks, incident management, error resolution, trade sales, SoLR, etc.	Requirement for clear design documentation and milestones to be tracked under programme governance (e.g. TORWG). Operational testing to include sufficient scope to test key processes and interactions. Consideration of war game/run through separate to SIT to ensure operational readiness.	19/07/2024 (SIT Operational Test Scenarios approved)	Jonny Moore

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.	RECCo continues to request early sight of changes to deliverables where there is a Qualification dependency.	Ongoing	Andrew Wallace
RECCo need to develop tie-ins with enduring BSC service management as part of operational readiness, including roles, responsibilities and hand-offs for incident management, error resolution and operational processes (trade sales / SoLR / etc.)	Agreement required on service management design deliverables and agreed scope of testing / operational readiness run-through.	19/07/2024 (SIT Operational Test Scenarios approved)	Jonny Moore



MHHS PROGRAMME
Industry-led, Elexon facilitated


2023
2024
2025
2026
A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D
Programme Milestones
Baseline Programme Plan (7/6)
M9 – System Integration Testing Start (30/10)
M6 – Code Changes Baselined (23/8)
Code Freeze (1/11)
M8 – Code Changes Delivered (7/3)
M10 – Central Systems Ready for Migrating MPANs (7/3)
M15 – Full Transition Complete (05 Oct)
Regulation and Governance
Code Drafting Complete (23/8)
Code Drafting Implemented (07 Mar)
Qualification Prep (31/5)
Qualification Waves 1-4 (27/2)
Design, Build & Test
EES Design & Build (7/12)
EES PIT Testing (26/1)
EES Core DBT Completion (26/1)
CSS Migration Volumes IA / CP Decision (1/1)
CSS Migration Volumes Design & Build (2/12)
Programme Testing
EES DIA for SIT (13/10)
EES SIT Entry (29/1)
EES Component Integration Testing (8/3)
EES SIT Functional Testing (17/1)
SIT Migration Testing (18/10)
SIT Non-Func.Testing (17/1)
SIT Operational Testing (7/2)
E2E SandboxTesting (19/1)
GO LIVE
Operational Readiness
Code Manager / RECCo Readiness (7/3)
RECCo Readiness
Migration Preparation (31/10)
Migration (5/10)
Stakeholder Engagement
REC Stakeholder Advisory Group (MSAG) (24/5)
Education Event EES (7/7)
Training Event EES/SDES Changes (Dates TBC)
Education Events (Dates TBC)
Critical Path
Key Deliverable / Event
RECCo Milestone
Programme Milestone


2024
Jan
Feb
Mar
Apr
May
Jun
July
Aug
Sep
Oct
Nov
Dec
Programme Milestones
M6 – Code Changes Baselined (23/8)
Core Systems Code Freeze (1/11)
Regs/Gov Code Drafting
Interface / Data Specification (24/1)
Transition Text (24/1)
Final Code Drafting - Mop-up (13/5)
CODE DRAFTING COMPLETE (23/8)
Regs/Gov Qualification
Qualification Approach & Plan (30/8)
MEM / Supplier / DNO Assessment Criteria (28/6)
Non-SIT LDSO Test Preparation
Non-SIT LDSO Test Execution
Design, Build & Test
EES Design / Build (Ancillary) (7/12)
EES PIT Execution (Ancillary) (27/2)
EES DBT Completion (27/2)
CSS Design & Build (5/2/25)
Programme Testing
SIT A Connectivity Testing / Data Load (5/1)
CIT Execution
EES CIT Exit (8/3)
SIT Functional Execution (17/1)
SIT Migration Execution (18/10)
SIT Non-Functional Execution (17/1/25)
Operational Readiness
Performance Assurance CAT 2 (PARC) - (31/1/25)
Performance Assurance CAT 3 (9/9)
Qualification & Testing CAT 3 (12/11)
Stakeholder Engagement
Education Event – Internal Code Manager Training (18/3)
Education Event – Qualification Preparation (Dates TBC)
Education Event – Completed Code Drafting (Dates TBC)

MHHS - Monthly Delivery Report (DIP)

Report Date: 19-04-24

Core capability provider
DIP

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- Defect triage and remediation support for SIT Functional Test Cycle 1
- IR5.5 PIT Test Execution – Planned to complete by 19.04.24 to be ready for SIT deployment on 22.04.24

- SIT Support & Change Backlog
  - Initiated Baseline Performance Testing for interfaces in Production (Performance) environment
  - Progressed on CR029 – BFF Opt - in Opt Out End Points
  - View MPAN – Portal changes and BFF changes
  - Completed CR023: MDR Secondary Routing
  - Enhanced Health Check Endpoints for Services
  - Work completed to validate Http Response Code usage in DIP
  - Creation of PowerBI Embedded Reports & implementation documentation
  - Logical Security design updates complete for IAM
  - Completed IR7 test preparation for GSPO, related Linked MPAN

Progress expected in the coming month:

- Overall (SIT): continue to support, monitor progress of testing for Functional SIT Cycle 1
- Complete development of changes for SIT Functional Cycle against IR7

- SIT Support & Change Backlog
  - Releases into SIT (weekly/per need) to address open defects from SIT
  - Continue to work on bug triage and fixing for SIT support, as needed
  - Continue progress on CR023: SDS <-> MDR Pairing Portal Changes (end2end)
  - Further updates to CR029 – Portal Opt - in Opt Out Component
  - Continue performance testing with layered approach
  - Creation and modification of reports using Direct Query
  - Update Second Addressing as in MPAN 1.1
  - Finalize remaining updates to designs like Message Security
  - Swagger 1.7.2 updates
  - Complete creation/modification of test scripts for all IR7 scope items and start test execution

Party Milestones & Deliverables	Original Date	Forecast date & RAG
DIP 4c (IR7) – Final build	24/05/24	24/05/24
Functional SIT - Cycle 2	10/06/24	10/06/24
DIP 5 – Migration / Transition	20/09/24	21/02/25
DIP 6 – Hypercare	20/09/24	21/03/25

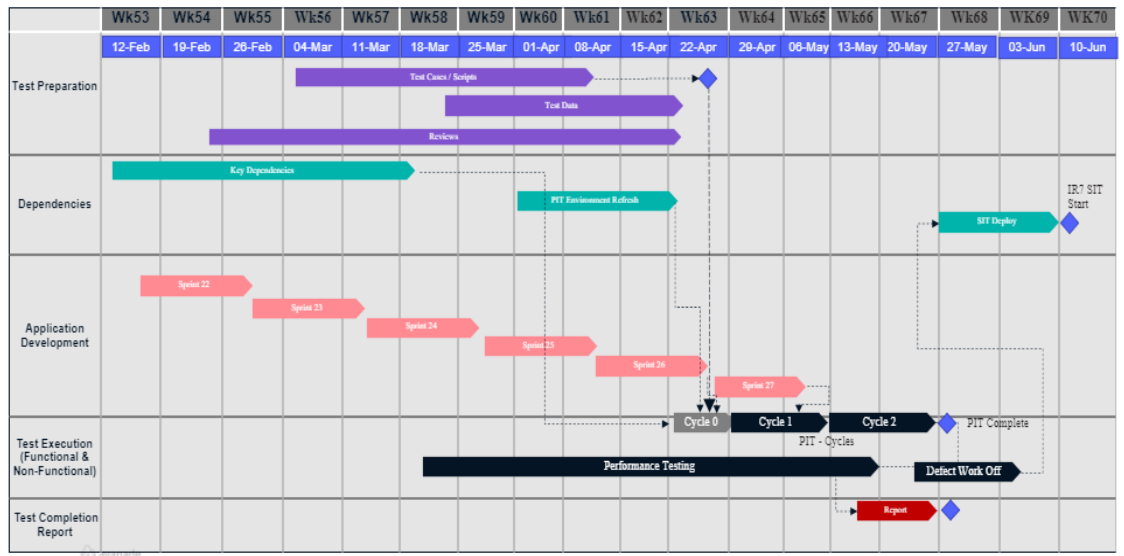
Decisions required	From whom?	By when?
None	n/a	n/a

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Volumetrics – Intra-day Profiling – Additional solution cost	DIP SP aware of multiple changes/requests re volumetrics SRO provided view of intra-day profiles Impact Assessment by DIP SP will follow baseline performance testing	10/05/2024	Smitha Pichrikat (Paul Daniels)
ISO27001 controls need to be owned by Elexon	Discussion needs to happen with Programme on who should be responsible for owing these controls	19/04/2024	Smitha Pichrikat (Paul Daniels)

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
Data Load Required for Functional SIT – Cycle 2	1. Revalidate assumption with SI Test Team 2. Review capacity implications if requirement changes	26/04/2024	Smitha Pichrikat (Paul Daniels)

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

DIP Release for IR7 (DBT) (Functional SIT Cycle 2) – Plan on a Page



MHHS - Monthly Delivery Report (Helix)

Report Date: 19-4-24

Core capability provider
Helix

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- Helix continued to support SIT Functional Cycle 1
- Release 9.6 to be completed which will support SIT Functional Phase 2
- ISD Data fixes for majority of issues encountered released on 25th March.
- Prepared initial delivery plan and estimate for non-SIT participants.
- Qualification Approach reviewed and approved at PAB.
- Continuing engagement with RECCo and DCC to align overall service design and produce low level design agreements.
- All key business teams in Elexon have commenced business change engagement.
- E2E testing working group kick off sessions held and resource ramp up commenced.

Progress expected in the coming month:

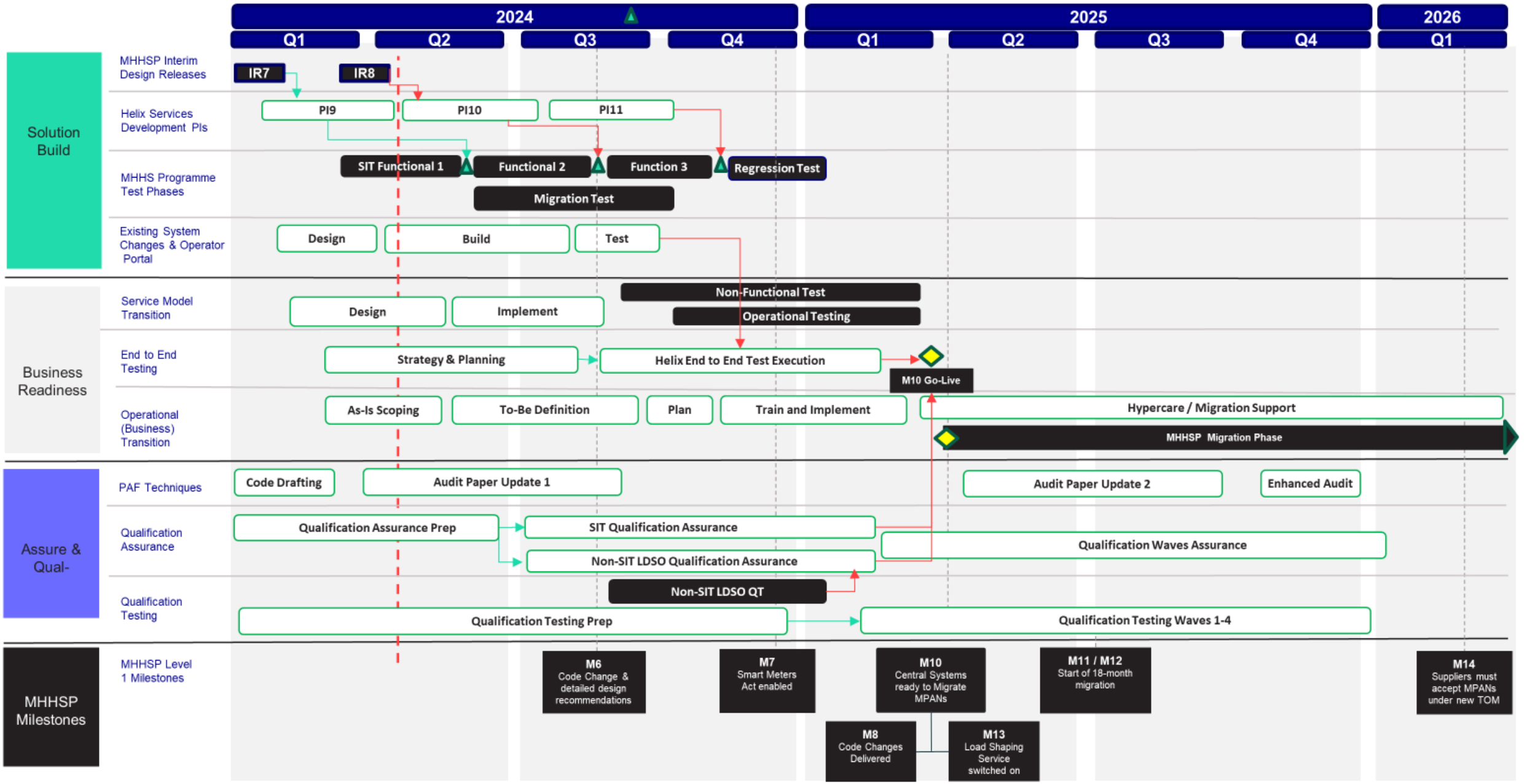
- Continued support of SIT Functional cycle 1 and resolution of any defects that arise.
- Ramp up of teams to support SIT operational testing and Helix end to end test.
- Environment and data preparation for SIT functional Phase 2 and SIT migration test phases.
- Complete and present the high level Business Change impact analysis to the Elexon Senior Leadership Team.
- Shared clarification with MHHSP of DIP Transition planning.
- Begin PI10 development sprints across key work packages in parallel to test support activities.
- Commence first development sprint of the Qualification Testing Framework (QTF)

Party Milestones & Deliverables	Plan Date	Forecast date & RAG
PIT completion report of SIT	9/02/24	Complete
Approval of the MHHS Service Strategy	9/02/24	Complete
Target Release of 8.6 to SIT functional environment.	18/02/24	Complete
QA&P approval by PAB	28/03/24	Complete
PI10 Planning for Solution Build	19/04/24	Complete
High-level business change impact assessment	19/04/24	In progress
First pass definition of operational business change plan	30/04/24	In progress
QT functional test scenarios approval	23/05/24	In progress
SIT functional phase1 ends	28/05/24	In progress
Target second code release for SIT to cover SIT phase 2 requirements	31/05/24	In progress
Publish Service Definition Document	10/06/24	In progress

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. **Update:** We are continuing to see changes from MHHSP to Helix/participants.	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. The change freeze is not effectively slowing down the pace of change from MHHSP and trending upwards. This remains a concern.	Ongoing
Elexon will implement ITSM ServiceNow ahead of SIT Operational Testing. There is a risk that if delivery targes slipe ServiceNow will not be ready to rest from the start, meaning Service Assurance tests cannot be completed to the scope/standard expected. Could bring know-on impact to M10 readiness.	Risk	Engage a ServiceNow approved partner to deliver the solution. Implement 'out of the box', avoid bespoke development and implement 'green field' (no migrating). Prioritise the core ServiceNow processes needed (e.g. incident management) for SIT. Work with MHHS Resting to a) agree what design artefacts will be submitted for PIT assurance, and b) understand test sequence options for SIT start that (if needed) could place Service Assurance resting later in the schedule.	30/04/24
Rephasing of SIT to place Theme 8 settlement later in the plan increases the risk of overall date slippage by increasing the strain of later phases.	Risk	In the event of slippage to SIT, Helix will have to perform additional development to absorb additional costs. Any slippage to SIT dates would impact on the Assurance and Qualification workstream. MHHSP decision to switch from SIT-A to SIT-B is adding further resource contention and pressure to timelines.	30/04/24
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	Transition leadership team in place. Engagement plan has been rolled out to all Elexon operational teams. Impact analysis to be cascaded to Senior Leadership Team by end of April.	30/04/24
There is a Risk that the overall progress of migration does not work as Ofgem and MHHS desire if we do not have additional support for DIP onboarding and also management support to drive the queuing and progress of all Non-SIT participants	Risk	Helix and MHHSP team are working together to develop shared plans to manage this phase of work. The Helix team are currently onboarding additional resource to support DIP Onboarding and Migration planning.	30/04/24

Helix Delivery Plan on a Page

HELIX | MHHSP



To be updated ahead of PSG meeting 01-May-24

MHHS - Delivery Update - DNOs

Number of Organisations who reported was 6 of 6

Report Date: 19-04-24

DNOs

RAGs	Overall	Approach	Plan	Resources	~~Budget~~	Risk

Activities reported as progressed in April-:

SSEN (as MVC for SIT)
- SSEN progressing to plan with FSIT. Test cases being progressed successfully.
- Data Cleanse – submitted Export MPAN Statement.
- Complete PIT for FSIT Completion Report.
- Issue raised with DURABILL REP-900 functionality required for Settlements Testing in June.
- MPRS Agreement (use of MPRS API code for ADQM) fully signed by all DNO's.
- Complete raising SDEP cases for Import/Export Associations (due by 19/04/24)
- Progressing with adding Connection Type to Measurement Class A MPAN's

General DNO Comments
- LDSO systems build
- REGS, LDSO, UMSO & DIP Adapter applications deployment to UAT (integration smoke testing)
- PIT - Test Approach & Plan submitted – Uplift Plan on feedback from code bodies/program & resubmit to program – ongoing
- Qualification - Planning continues to develop DNO plans subject to test
- Requirements defined with program & Code Bodies expected
- Qualification - Review Operational & Migration approach
- Qualification - Review Test Scenarios Batch 3
- Data Cleanse - LDSO notified supplier of MPAN exceptions
- Migration - Review Consultation Framework - Internal reviews to support volume metric & SLA
- Complete Assurance Review – Data Cleanse
- CR047 change request consultation

Activities reported as expected to progress May:

SSEN (as MVC for SIT)
- Setting up SITB Test environments & adapter connectivity – REGS, LDSO, & UMSO & pipe cleaning environments.
- Loading SITB (Settlements) Augmented test data.
- Completing PIT for SIT Migration Testing (08/05/24)
- Progress requirements understanding for PIT for SIT Non-Functional volume testing with Programme.
- Onboarding additional Testers to cover overlapping SIT Test Phases.
- Continue weekly bi-laterals with SI.

General DNO Comments
- LDSO systems build
- REGS, LDSO, UMSO & DIP Adapter applications deployment to UAT (integration smoke testing)
- PIT Approach & Plan Non-Functional & Operational
- Qualification - Planning continues to develop DNO plans subject to test detail becoming available from program
- Code Draft review artefacts of gap analysis
- Qualification review -Non-Functional, Operational & Migration approach
- Qualification review – Migration Test Scenarios
- Qualification review - Test Data Plan
- Service Management review - Draft document
- Assurance review – outputs from program

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	10-Jun-24 1 High confidence	• SCS to carry out on behalf of SSEN for Registration Services.
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	• MPRS, Durabill and Adapter PIT dependent upon completion of SIT activities on time. • Ongoing discussions regarding Qualification, PIT plan timelines, data requirements and test cases.
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs	07-Mar-25 5 Medium confidence	• Qualification testing subject to completion of PIT testing which itself is subject to completion of SIT • At this point we have rated as medium confidence, noting that these requirements are still to be agreed at Programme level. • Ongoing Industry discussions regarding migration volumes & SLA's– consultation.

Decisions to be made by DNOs	Impact of no decision	Decision by when?
Approach to Non-functional (performance and volume testing)	Test stubs not available for PIT testing	01/06/2024

Decisions required from the Programme	Impact of no decision	Decision by when?
SIT Non-Functional (PIT). Clarification on test cases required. Plus, agreement from Programme to align to IR7 not IR8 as per Annex 1 to meet program timelines & align with supplier's plans aligned to SIT	Problems completing SIT Non Functional tests	10/05/2024
Test approach/timing for REP-900 for DURABILL.	REP-900 delivery not due until August 2024. Testing required during SIT Settlements Testing Phase in June 2024.	10/05/2024
Test Data Requirements for NON-SIT LDSO - Qualification	Unable to plan testing and failure to qualify	ASAP
Clarity of 3rd Party Adaptor Service Provider in performing SIT Non-Functional & Operational Testing on behalf of DNO's	Failure to Qualify – unable to validate requirements	ASAP
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 provide100% coverage of consumption data (accuracy and timeliness) to LDSO's	15/05/2024
Migration SIT will be executed on SIT-A but FSIT theme 8, Settlement, will be tested on SIT-B. This is not an efficient use of resources. With continued uncertainty whether St Clements is best positioned to execute non-functional SIT, this requires a whole new environment setting up for just one test case.	The programme must consider more cost-effective alternatives.	ASAP
Confirmation of CR's and Outstanding Design Decisions (DIN Log) specifically IR8 as raised by St Clements.	Delay to DBT and unable to achieve R3 SIT dates. Potential delay to DBT of UKPN internal downstream systems.	ASAP

Escalations (priority items for attention and support from the Programme)	Action by when?
Qualification – clarity on scope of PIT for Migration & Non-Functional Testing & Qualification Scenarios based on placing reliance policy for each LDSO	ASAP
Decisions on outstanding DIN Log items, CRs, Design Queries and Non-SIT LDSO and timelines and data requirements for Qualification	ASAP
Migration, Non-Functional & Operational testing requirements are yet to be fully detailed - SIT / PIT/ QT.	ASAP

Risks or Issues	Impacts	Opportunities to resolve and deliver as soon as possible
Volume testing requirements for PIT for SIT Non-Functional unclear.	SSEN ability to develop test data load tools/.harnesses.	Work with SIT Non-Functional SI Lead.
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.	Programme to clarify scope/approach for testing DUoS data in SIT.
Availability of core software products MPRS,UMSO etc to support NON-SIT LDSO PIT & Qualification is unclear	Unable to meet PIT/Qualification timelines	Change program guideline for Annex 1 plan from IR8 to IR7 for Non-SIT LDSO's to complete testing in line with suppliers' timelines. Provide product delivery plan for NON-SIT LDSO's to complete PIT
Potential impact on DNO budgets dependant on environment, testing requirements and timescales & new change requests	Potential under-recording of DNO cost impacts in the Programme benefits. DNOs will require approval of additional Programme funding	Require firm commitments on requirements for Environment requirements for Non-SIT LDSO testing.
The Reverse Migration Solution is too complex to enable Core Capability Providers to Achieve Testing & M10.	M10 timelines	N/A
Data Cleanse activity may take longer than aligned within program plan	Failed migration and/ or extended timelines and/ or poor-quality data	Question remains over whether import and export linkage is required (as per Elexon P459).
SIT testing of MPRS (incl Migration), Durabill and DIP Adapter does not complete in time for parties to complete their own PIT Functional and Migration testing and evidencing required for Qualification Testing (30/08)	Ability of DNO's to complete PIT testing/evidencing in line with CR047 timescales.. Ability of DNO's to enter Qualification Testing.	n/a outside of party control. Monitor programme SIT progress.
Issues identified during SIT result in delays to Programme milestones.	Ability to place reliance on SIT.	-
Misalignment between the Migration Design and Functional Design resulting in new design issues (DINs) for SCS requiring additional MPRS development effort.	Potential delay in MPRS product availability.	Resolve the design issues and replan the Migration SIT to accommodate the changes.
Placing reliance guidance document for Non-functional, Operational and Migration has not been published/ agreed with the parties. This could cause potential delay for scope identification and preparedness for PIT & QT.	Preparedness for PIT & QT.	Programme to publish the PIT guidance considering the placing reliance for different test phases.
The sandbox testing window has not been finalised, which may impact our plans for consequential impact testing, resource planning, etc.	Unable to plan for consequential impact testing, and associated costs.	Discuss the Sandbox testing window for LDSOs in the QWG and agree on a plan.

RAGs	Overall	Approach	Plan	Resources	Budget	Risk

IDNOs Status & Outlook

Progress since last month

- Progressed SIT Functional testing.
- Submitted self-declaration on the completion of population of Connection Type for Traditional and Advanced Meters with Measurement Class 'A' to the Programme.
- Clarified Qualification testing requirements during bilateral with Programme.
- Agreed a consensus approach amongst LDSOs towards standardised LLF IDs.
- Highlighted issue of no data cut from billing systems to support testing.
- Placing Reliance submission approved.

Expected key activities next month

- Progress defects solutions and continue SIT Functional Cycle 1.
- Set up SITB environment.
- Commence UAT planning.
- Progress LLF IDs set with Programme and Elexon.
- Liaise with service provider on PIT preparation and other qualification requirements.

IDNO Key Deliverables & Activities	Latest Status	Due Date & RAG	Relevant Programme Milestone(s)
IDNO System Integration Testing (SIT) Participants - BUUK			
SIT Functional Cycle 1 completion and Cycle 2 Preparation	On track currently. However, there is a risk that the volume of testing commencing at the same time, and preparation of that testing, might cause some organisations to struggle.	10.06.24	SIT Functional Cycle 2
Preparation	On track currently. However, MPRS function may not be fully available on day 1. Envisaged that no impact to completion on time.	10.06.24	SIT Migration
SITB environment established and general preparation	On track currently. However, there is a risk that the volume of testing commencing at the same time, and preparation of that testing, might cause some organisations to struggle.	10.06.24	SIT Functional Settlement Testing
Non-SIT LDSO Qualification Testing			
Preparation for Non-SIT LDSO testing	High confidence based on placing reliance approval.	02.07.24	Non-SIT LDSOs testing start (Functional / Migration / NFT / Ops)

Escalations / Priority Actions	To Whom	Required Resolution Date	Owner
None			

Key Risks & Issues	Mitigation, Impacts & Latest Actions	Owner	Relevant Programme Milestone(s)
Risk of Suppliers back-ending their P434 data activity and landing volumes on LDSOs.	**Impacts:** Inability to meet data cleanse requirements to Programme timescales and, therefore, potential impacts to delivery due to inaccurate data. **Mitigation**: Understanding of Supplier intentions and Programme coordination.	Programme/Suppliers	M11/M12

Key Dependencies & Assumptions	Dependency On	Summary & Key Actions	Stakeholders	Relevant Programme Milestone(s)

Central Party Finances – 23/24

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	1.60	1.61	1.70	1.51	1.56	1.55	1.47	2.01	2.10	1.95	3.60**	22.05
MHHS Actual/Forecast	1.68	1.88	1.94	1.82	1.51	1.75	1.83	1.68	1.84	1.92	1.73	2.17	21.76
DCC Budget		**1.20**			**2.50**			**2.50**			**3.80**		10.00
DCC Act/Forecast***	0.11	0.56	0.01	0.27	0.41	0.80	1.55	0.22	0.61	0.74	0.25	0.75	6.03
Helix Budget	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.8	2.4	2.4	2.4	28.20
Helix Act/Forecast	1.89	2.18	2.29	2.02	2.28	2.2	2.36	2.6	1.98	2.6	2.6	2.15	27.15
RECCo Budget****	0.24	0.15	0.17	0.15	0.18	0.17	0.47	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	0.05	0.09	0.19	0.15	1.10
Total Budget	4.43	4.55	4.58	5.08	4.92	4.96	5.25	4.92	4.88	6.15	5.86	7.53	63.12
Total Act/Forecast	3.80	4.65	4.29	4.14	4.23	4.79	5.76	4.79	4.48	5.35	4.77	5.22	56.27

Please note:

- **Totals – totals are as provided by central parties. Please note rounding of individual months may result in the sum of individual months differing from the total provided by central parties*
- ***MHHS – includes contingency*
- ****Note from DCC – figures amended from previous month to only reference costs incurred in this financial year*
- *****RECCo – includes only 3rd party costs (does not include internal resources)*

Central Party Finances – Colour Key

Actuals data

Central Party Finances – 24/25

Overarching Costs for MHHS Central Parties FY 24/25

Financial Measure	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Totals (£m)*
	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	
MHHS Budget	1.61	1.63	1.61	1.64	1.62	1.64	1.71	1.57	1.51	1.54	1.50	5.98**	23.58
MHHS Actual/Forecast	1.61	1.63	1.61	1.64	1.62	1.64	1.71	1.57	1.51	1.54	1.50	5.98	23.58
DCC Budget		3.77			3.51			2.51			0.92		10.71
DCC Act/Forecast* **	1.26	1.26	1.26	1.17	1.17	1.17	0.84	0.84	0.84	0.31	0.31	0.31	10.71
Helix Budget	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	31.20
Helix Act/Forecast	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	2.59	31.20
RECCo Budget** **	0.36	0.38	0.29	0.28	0.31	0.45	0.37	0.18	0.23	0.27	0.28	0.32	3.74
RECCo Act/Forecast	0.33	0.34	0.25	0.25	0.28	0.42	0.33	0.14	0.20	0.24	0.25	0.29	3.32
Total Budget	5.82	5.86	5.75	5.68	5.69	5.85	5.51	5.18	5.17	4.71	4.68	9.20	69.23
Total Act/Forecast	5.79	5.82	5.46	5.65	5.38	5.82	5.47	5.00	5.14	4.68	4.40	8.88	68.81

Please note:

- **Totals – totals are as provided by central parties. Please note rounding of individual months may result in the sum of individual months differing from the total provided by central parties*
- ***MHHS – includes contingency*
- ****Note from DCC – figures amended from previous month to only reference costs incurred in this financial year*
- *****RECCo – includes only 3rd party costs (does not include internal resources)*

Central Party Finances – Colour Key

Actuals data

SI Workstream – Progress Update

SI Progress
Updated to 24/04/2024

Workstream	Progress	Next steps		
		What	**Owner**	**By When**
Design	Design queries • The volume of outstanding calls remains low but consistent • Average response time in for the previous period for closed tickets remains at approx.' 1wd • Design are triaging a significant number of defects being raised to determine their resolving groups. To date one defect has lead to an update to the design artefacts. • Interim Release have been reduced in cadence to align with testing releases, IR7 now 31-Jan-24 IR8 3-Apr-24 • IR5.5 and IR7.2 defect releases have been published 3-Apr-24 with effective from dates being 22-April and SIT Cycle 2 respectively. • IR8 will also be published on 3-Apr-24 with effective from dates of SIT cycle 3	Continue to answer queries and monitor levels, the nature of the call is moving to testing and data related queries	MHHS	Ongoing
Testing	Placing Reliance • SIT Functional – Placing Reliance Proposals, review completed • Migration testing – submission by PPs and sent to Code Bodies			
Testing	Testing documentation in progress/published in last month: • SIT Migration Theme 2 (Reverse Migration), achieved 17-April SITAG Approval (with work off) • SIT Migration Theme 3 (Import/Export MPANs & Exception Handling) achieved 17-April SITAG Approval (with work off)			
	• SIT Migration Theme 2 & 3 Work Off	May SITWG May SITAG Extraordinary NFTWG	MHHS MHHS MHHS	02-May-24 15-May-24 30-Apr-24
	• SIT Non-Functional Test Approach and Plan, completed 2nd Assurance Review	May SITAG May SITWG	MHHS MHHS	15-May-24 02-May-24
	• SIT Operational Test Approach and Plan, completed 2nd Assurance Review	May SITAG	MHHS	15-May-24
Testing	Test Data • SIT Non-Functional and Operational data approach to be signed off in DWG • Cycle 2 - Settlement test data – in preparation • Cycle 2 – Import/Export MPANS – in preparation • Migration test data – in preparation	DWG Data team extracting and augmenting data Data team extracting and augmenting data Data team extracting and augmenting data	MHHS MHHS MHHS MHHS	02-May-24 17-May-24 24-May-24 24-May-24
Sims & Ems	• Successfully delivered IR5.5 and IR7.2 uplifts to DIP Simulator on 12th and 19th April, respectively • Progressed with the 'Vertical Slice' phase of the LDSO Test Harness	Complete future Design uplifts (e.g. IR8, IR5.x, IR7.x) Complete 'Vertical Slice' phase of LDSO Test Harness development and progress 'MVP' phase	MHHS MHHS	May-24 Apr-24
Transition	M10/M11 Cutover Plan consultation is underway with an assurance meeting scheduled for 21st May. Will then be brought to MCAG for approval.	MCAG approval	MHHS	04-Jun-24
Transition	Early Life Support Model Development ongoing	Further thoughts to be brought to the next TORWG	MHHS	Ongoing
Transition	Monitoring of progress on the Data Cleanse Plan	Ongoing	MHHS and SIT Participants	Various (see DC plan)

FTIG meetings

- Focus of sessions is on SIT Functional progress and readiness for future SIT stages
- Recent key topics:
  - Analysis on SIT Functional progress & defects raised
  - Environment set up for Settlement testing
  - SIT Migration Preparation readiness
- Continued good engagement from CCPs and PPs
- Open & transparent discussion on the above topics both in FTIG and in associated bilaterals
- Moved back to a weekly as requested by participants

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

Rebel Energy

RECCo

SeaGlass

SMS

SSEN

St Clements Services

Stark

TMA Data Management

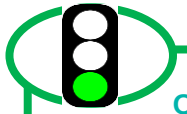
Tym Huckin Ltd

Unify Energy

Utilita

Utiliteam

Wheatley Solutions



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. M7M8 planning started and on track.

April Summary

- Mop-Up 2 consultation entered assurance review on 03/04 and will close on 22/04 - 5 comments received which have been actioned – ready to be sent to a May CDWG
- M7 Planning progressing with due process questions, cost RFI (via PPIR) questions and high-level post M7 change approach agreed (detailed timing and SCR interactions still in development).
- Progress Consistency Check activities

May Deliverables

- Receive CDWG Mop-up 2 recommendation to approved Mop-up 2 Code Artefacts
- Progress Consistency Check activities
- Progress M7 and M8 activities

Mstn Ref	Drafting Milestones	Baseline date	Forecast date	Status
T2-RE-0100	Data Services approved at CCAG	24/05/23	24/05/23	Complete
T2-RE-0150	Metering Services approved at CCAG	24/05/23	24/05/23	Complete
T2-RE-0250	Registration approved at CCAG	23/08/23	23/08/23	Complete
T2-RE-0200	BSC Central Services approved at CCAG	27/09/23	27/09/23	Complete
T3-RE-0300	Governance, Migration and Qualification approved at CCAG	22/11//23	22/11/23	Complete
T3-RE-0350	Transition Text and Interfaces approved at CCAG	24/01/24	24/01/24	Complete
T3-RE-0500	Topic Area Mop Up approved at CCAG	22/05/24	22/05/24	Green
T3-RE-0500	Consequential Change approved at CCAG	22/05/24	22/05/24	Green
T3-RE-0550	Finalise and consistency check approved at CCAG	23/08/24	23/08/24	Green
T3-RE-0550	Code changes baselined (M6)	23/08/24	23/08/24	Green
T2-RE-0600	Smart Meters Act powers enabled (M7)	11/11/24	11/11/24	Amber
T2-RE-0650	Code changes delivered (M8)	07/03/25	07/03/25	Green

Level 3 Advisory Groups Updates

Advisory Groups
Updated to 24/04/2024

Governance group updates

Programme Steering Group (PSG)

PSG 03 April 2024

Qualification Testing (QT) Updates: PSG received updates on the status of existing QT deliverables and new proposed QT milestones contained within Programme Change Requests (CR) 047 and 048.

Migration Updates: PSG received updates on the development of the Migration Control Centre framework and associated consultations.

Testing Updates: PSG received updates on the progress of System Integration Testing (SIT) Functional testing, and the status of future SIT stages including SIT Migration and SIT Operationall.

Decision Appeal Lessons Learned: The IPA provided an overview of reflections on the appeals process following the CR036 appeal. The appeals process will be updated accordingly.

PSG papers available here.

Design Advisory Group (DAG)

DAG 10 April 2024

CR044 Decision: DAG recommended design changes should be made, however owing to potential challenges with implementation pre-M10 (Systems ready for migrating MPANs) determined the decision should be escalated to the Programme Steering Group (PSG).

CR045 Decision: DAG recommended design changes should be made, however owing to potential challenges with implementation pre-M10 and risks associated with not implementing pre-M10, determined the decision should be escalated to the PSG.

CR046 Decision: SRO approved CR046 (Enabling Metering Point Energy Flow to be changed more than once) for release in a future IR8.x release (date TBC) and with testing impacts (if any) to be discussed via the SIT workstream.

DAG papers available here.

Cross Code Advisory Group (CCAG)

CCAG 24 April 2024

Horizon Scanning Log: DCUSA provided updates on DCP428. REC provided updates on R0062, R0093, R0098, R0108, R0121 & R0144. No new updates from BSC.

CCAG Reporting & Risks: CCAG is on track for M6 delivery in August 2024. M6 success criteria will be amended and brought back to May's CCAG.

M7/M8 Planning: The approach has been agreed for M7/M8 planning, and activities are ongoing. Further updates to be brought to May CCAG.

Mop-up 2 Consultation Update:

Code Drafting Working Group (CDWG): Presented mop-up 2 consultation update, and consistency check approach.

CCAG papers available here.

System Integration Testing Advisory Group (SITAG)*

SITAG 17 April 2024

SIT Migration Test Scenarios (TS) & Test Cases (TC): SRO approved the Themes 2 (Reverse Migration) & 3 (Import/Export MPANs & Exception Handling) TSs & TCs, excluding SIT-M-RM-COS-DfltVal v0.1 and ISD updates testing.

Environments Approach & Plan: SRO approve v2.13 of plan, incorporating latest non-SIT LDSO requirements.

SIT Functional Updates: SIT F readiness work-off item substantively complete. Steady progress on SIT F execution, but Programme requests increase in throughput.

SIT Delivery Plans: Overview of plans and deliverable dates for future SIT stages.

SITAG papers available here.

Qualification Advisory Group (QAG)*

QAG 18 April 2024

Functional Non-SIT LDSO Test Scenarios and Test Cases: SRO approved the Functional Non-SIT LDSO Test Scenarios and Test Cases

Focused Working Group for QT: Chair approved the creation of two new qualification subgroups, the Non-SIT LDSO and Non SIT Supplier & Agent Qualification Testing subgroups

Environments Approach and Plan: The Programme advised there would be further iterations of the document in future to incorporate Supplier & Agent QT and the environments sandbox.

QAG papers available here

Migration & Cutover Advisory Group (MCAG)*

MCAG 26 March 2024

Migration Control Centre Framework: Provided an update on the Migration Control Centre Framework.

Programme Milestones: No changes to milestones.

MCAG papers available here.

Wider Programme Updates

Participant Checklist:

1.REMINDER: Pre-Qualification Submission – due this week! The deadline is **Friday 26 April 2024**
2.REMINDER: Pre-Integration Testing (PIT) Approach & Plan – due this week! The deadline is **Friday 26 April 2024**
3.REMINDER: Population of Connection Type for Traditional and Advanced Meters within Measurement Class 'A' Self-Declaration – the deadline is **Monday 29 April 2024**
4.Qualification Approach & Plan: Annex 1 Consultation - the deadline is **Friday 3 May 2024**
5.Non-Systems Integration Testing (SIT) Licensed Distribution System Operator (LDSO) Migration Test Scenarios and Test Cases Consultation - the deadline is **Friday 3 May 2024**
6.M10/M11 Cutover Plan Consultation - the deadline is **Tuesday 7 May 2024**

You can view the **Participant Checklist** on the respective **Planning pages** of the Collaboration Base and the MHHS website.

We've created the **Interim Release and Swagger version alignment document** for Systems Integration Testing (SIT) participants. You can view this document on the respective **SIT pages** on the Collaboration Base and MHHS website.

Upcoming Governance Meetings:

- **Thursday 25 April 2024:** Data Cleanse Working Group (DCWG)
- **Wednesday 1 May 2024:** Programme Steering Group (PSG)

Upcoming Events:

- CANCELLED: MHHS Change Request Webinar: CR049 on 30 April 2024

Elexon is seeking P471 & P472 Workgroup members:

The BSCCo is urgently looking for Workgroup members for the following BSC Modifications, which are being run together for efficiency:

- P471: Amendment to BSC Section E to allow more flexibility in procurement of BSC Agents
- P472: Amendment to provisions for Parties to bring claims against BSC Agents in BSC Section E

You can sign-up to these Workgroups on the Modification and Issue workgroup sign-up page of the Elexon website.

MHHS PROGRAMME
Industry-led, Elexon facilitated

*SITAG, MCAG, QAG replaced the Testing and Migration Advisory Group (TMAG) in Q1 2024.

Key themes of PPC engagement

Testing

- The PPC Team continues to support the Testing team with SIT Functional execution, including the communication of known defects and the dissemination of the daily reports for each Cohort, the Central Parties and the Programme. Participants are showing that they understand the DITL processes and operating in line with Programme expectations.
- The PPC Team is supporting with the coordination and facilitation of the SIT Non-Functional and SIT Operational Test Scenarios & Cases Review Workshops and subsequent industry review windows.
- The PPC Team has coordinated the consultations for the SIT Non-Functional and SIT Operational Test and Test Data Approaches and Plans, which are being taken to SITAG on 15 May for approval.
- **Next Steps:** Continue to support with the industry review periods for SIT Non-Functional and SIT Operational Test Scenarios and Cases, and with Settlement activities.

Qualification

- The Non-SIT LDSO Functional Test Cases and Test Scenarios have been approved at the QAG following participant review and engagement and the Programme have published Non-SIT LDSO Migration Test Cases and Test Scenarios for consultation.
- The Programme have released an updated version of Annex 1 (Non-SIT LDSO Qualification Testing) of the Qualification Approach & Plan for consultation which includes updates to Non-Functional and Operational Qualification Testing.
- Participant engagement has ramped up in the closing weeks of the Pre-Qualification Submission which is due from participants on 26th April. The Code Bodies and the Programme collaborated on additional engagement opportunities with participants to support them with completing their submissions.
- **Next Steps:** facilitate and support Qualification Approach & Plan Annex 1 and Qualification Testing Test Scenarios consultations. Kick-off analysis of Pre-Qualification Submissions to support the Programme with assessing participant readiness for Qualification.

Targeted and Tailored Communications

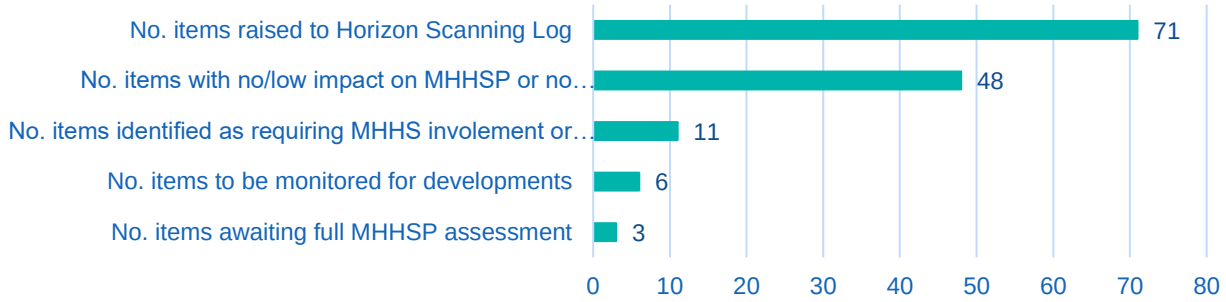
- The PPC facilitated the 2024 MHHS Open Day on 23 April 2024 focussed on Qualification, Transition and Migration. There were over 200 Programme participants in attendance in-person and virtually.
- Phase 3 of the communication channel improvements is underway with updates to the Collaboration Base and website navigation panes to support participant engagement with SIT, Migration and Transition content.
- **Next steps:** Continue to develop the Open Day agenda for April. Continue the Phase 3 improvements on the Communication Channels.

Document Classification: Public

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



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: **68** – REC: 34, BSC: 15, DCUSA: 11, SEC: 5, CUSC: 3

Wider industry changes: **5** – HH opt-out, DUoS SCR, code review, microbusiness definition, licence change

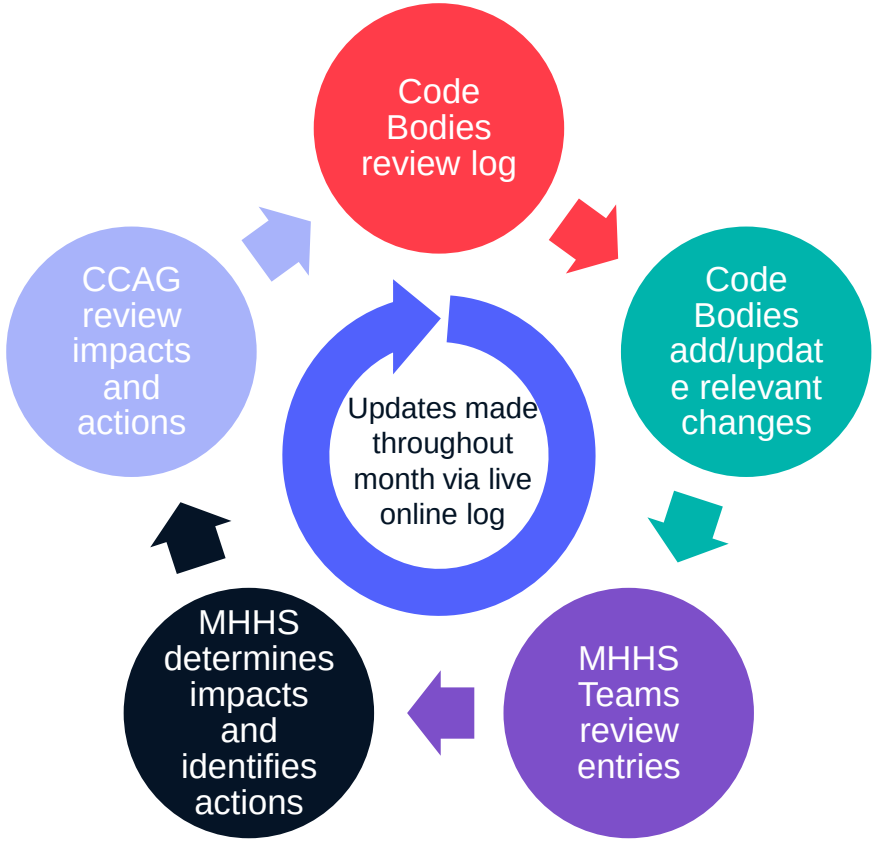
Criticality of horizon scanning items – High: **11**, Medium to High: **3**, Medium: **3**, Low/No impact: **48**

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.



MHHS IPA

Monthly Assurance Dashboard

Reporting Period: April 2024

Dashboard Objective: To provide PSG with a progress update on in-flight and future planned assurance activities.

Assurance Activities in Progress / Completed during month

Theme-Based Assurance

- **Ongoing Embedded Assurance Activities (WP1)** - **In Progress** - Monthly cadence of regular interactions with MHHSP. Updated change control process is under review. Current focus is the review of plans to achieve operational readiness for M10.
- **Design Documentation (WP4)** - **In Progress** - Continued monitoring of design updates/change requests through attendance at DAG and DRG, and review of supporting documentation.
- **Management of Separation Plan (WP5)** - **In Progress -** A review has been conducted to assess the Separation Plan's operating effectiveness and whether it remains fit-for-purpose for future phases. The draft report is currently being finalised.
- **Consequential Change Risk Assessment (WP14)** - Review of consequential change scope/risks to inform any additional assurance activities has been completed and an update is provided as part of the PSG agenda.

Stage-Based Assurance

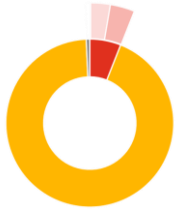
- **Test Assurance (WP9)** - **"Period 6 (P6)" - In Progress** - Assurance period running to mid July, covering SIT F progress, SIT Migration readiness, and Plan Congestion
- **Qualification (WP12)** - **In Progress** - Continued monitoring over preparation activities for Qualification Testing.

Upcoming Assurance Activities

- Continued performance of "In Progress" theme-based and stage-based assurance activities

Assurance Action Status

Overall, 150 actions are agreed with the Programme team or Participants to date.



- 140 are **completed**
- 1 is **expired**
- 9 are **in progress,** out of which :

5 are overdue by <1 month	**4** are within their due date

Below is the trend of actions opened and completed within the last period.

New actions opened and trend	0 →
Actions completed and trend	5 ↓

**Symbols represents trends compared to previous month*

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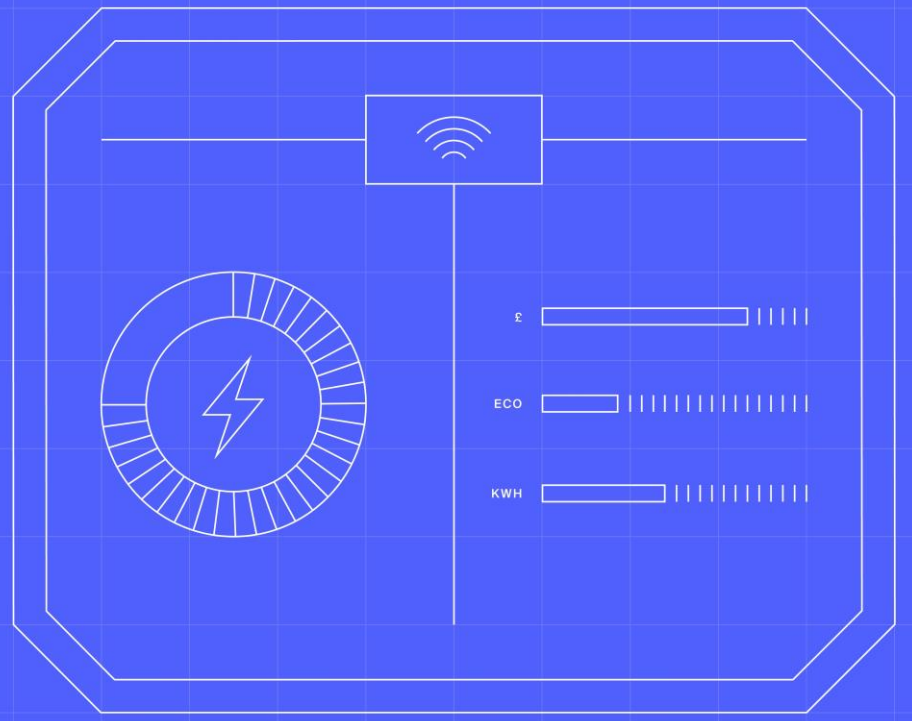
Summary and Next Steps

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

Chair and Secretariat

5 mins



Summary and Next Steps

1. Confirm actions and decisions from meeting
2. Next PSG meeting: **05 June 2024 10:00 – 12:30** (**F2F – Elexon, 350 Euston Rd, NW1 3AW**)

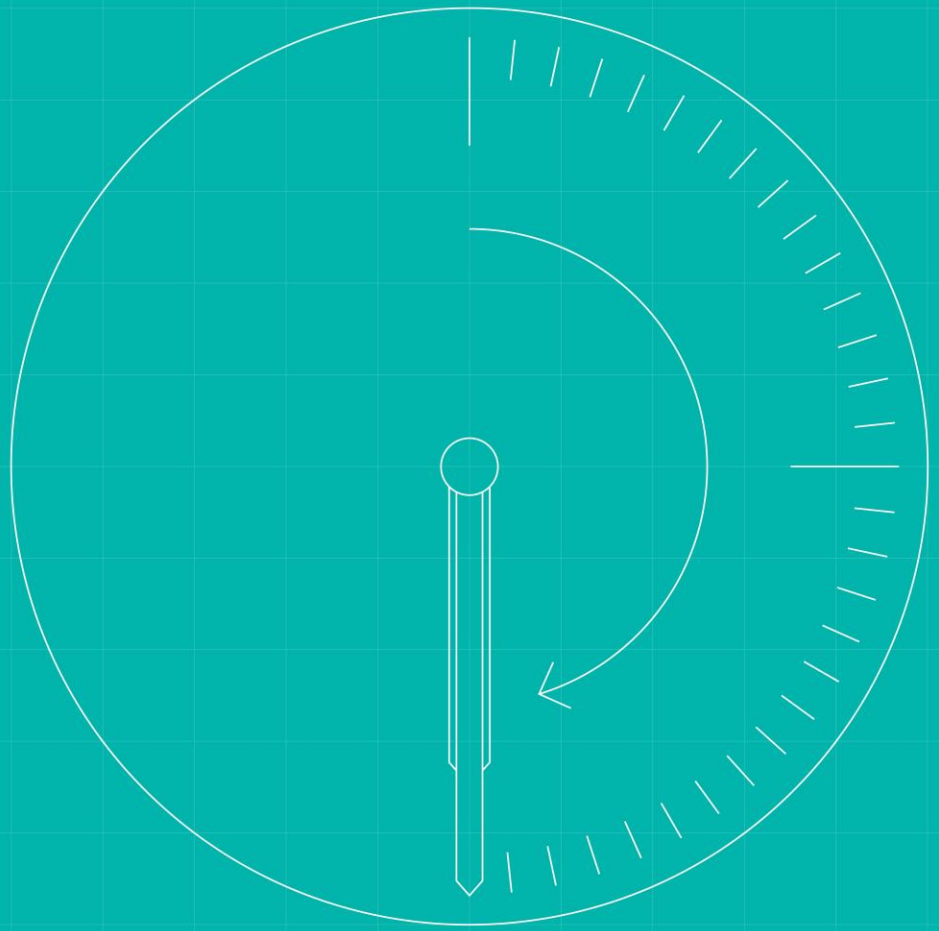
05 June 2024 agenda items	Standing items
• Core Capability Providers Deliver Dashboards Deep Dive • Programme Change Requests	• Minutes and Actions • Qualification Testing • Migration Updates • Programme Reporting • Delivery Dashboards • Summary and Next Steps

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

Thank you

MHHS
PROGRAMME

Appendix



MHHS PROGRAMME
Industry-led, Elexon facilitated

New Advisory Groups Update

System Integration & Testing Advisory Group (SITAG)

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

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

Migration & Cutover Advisory Group (MCAG)

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

Representative	Seat Filled
Elexon (as central systems provider)	Yes
DCC (as smart meter central system provider)	Yes
RECCo	Yes
Large Supplier	Yes
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	Yes

Qualification Advisory Group (QAG)

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

Representative	Seat Filled
RECCo (Qualification Body)	Yes
BSCCo (Qualification Body)	Yes
Large Supplier	Yes
Medium Supplier	Yes
Small Supplier	No
I&C Supplier	Yes
Supplier Agent	Yes
Supplier Agent (Independent)	Yes
DNO	Yes
iDNO	Yes
Consumer	No**

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*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.
** Consumer constituency has advised they do not intent to provide a representative for SITAG, MCAG, or QAG owing to the technical nature of these meetings. Attendance will be by exception where required.

Colour Key	
Recent change	Seat vacant