MHHS PROGRAMME

Industry-led, Elexon facilitated

Programme Steering Group #39
04 December 2024

Version 1.2

MHHS-DEL3261

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	Ofgem CR055 Decision Update	Verbal update on Ofgem's decision on CR055	Information	Sponsor (Ofgem)	10:15-10:25 *10 mins*	5
4	Programme Update - Testing	Updates from the Programme on SIT	Information	Programme (Keith Clark)	10:25-10:45 *20 mins*	6
5	Update on Settlement Analysis Model	Walk-through of model, objective and approach	Information	Elexon	10:45-10:55 *10 mins*	11
6	Programme Change Requests	Decision on CR058 and CR059	Decision	Programme (PMO)	10:55-11:05 *10 mins*	18
7	2024 in Review	A review and look-back on the progress made in 2024	Information	Programme (Helen Adey)	11:05-11:20 *15 mins*	29
8	Delivery Dashboards	Questions from PSG members on delivery dashboard content	Information	Chair	11:20-11:40 *20 mins*	32
9	Summary and Next Steps	Summarise actions and decisions, and look ahead to next meeting	Information	Chair & Secretariat	11:40-11:45 *5 mins*	65
	Appendix	RAID Theme Slides				

Headline Report and Actions

DECISION: Approve minutes and review actions

Chair & Secretariat

10 mins

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Headline Report and Actions

1. Approval of [PSG 06 November 2024 Headline Report](#) – Comments to be discussed
2. Review of actions:

Ref	Action	Owner	Due	Latest Update
PSG38-01	The Large Supplier Rep to engage with suppliers and gather more details on the nature of delays associated with Central Parties	Large Supplier Representative	04/12/2024	ONGOING: The Large Supplier Representative will provide verbal update in December PSG.
PSG38-02	Programme to formally raise the Domain / Certificate Expiry as a risk	Programme	04/12/2024	RECOMMEND CLOSED: A Formal Risk 'R1017' has been raised.
PSG38-03	Programme to consider running a Test Rationalisation / Scope Management exercise for Non-Functional Testing.	Programme	04/12/2024	RECOMMEND CLOSED: There is no planned test rationalisation exercise for NFT as the NFT tests have undergone reviews and been stripped back due to undelivered functionality.
PSG38-04	Programme to provide more detail to Change Board rejection recommendations in the PSG papers	PMO	04/12/2024	RECOMMEND CLOSED: Programme to provide a link to the relevant Change Board and Headline Report for future PSG CR rejection recommendations.
PSG37.2-01	Programme to support Code Bodies with comments made by St. Clements on CR056	PMO	06/11/2024	RECOMMEND CLOSED: The Code Bodies have updated the wording in the REC ERDS Schedule to reflect those comments and communicated to SCS.
PSG36-02	Programme to analyse and provide clarity over the number of additional test Cases in RTTM Gap Analysis.	Programme	02/10/2024	RECOMMEND CLOSED: Test cases have been issued that close all testable requirement coverage gaps. No issues or queries have been raised against these test cases and no further additions are anticipated at this time.
PSG34-01	Elexon Settlement Analysis model to be issued to Participants as soon as constructed and to update Participants on any changes to the 4-week construction timeline.	Programme / Elexon	07/08/2024	ONGOING: Elexon to present walk-through of objective and approach at December PSG.
PSG34-02	Programme to provide an update on post-M10 Change Management.	Programme	07/08/2024	ONGOING: Programme to provide update in February 2025 PSG.
PSG33-01	Programme to provide information on expectations on parties post-M10 to support resourcing and management view.	Programme	03/07/2024	ONGOING: The ELS model is being considered alongside the other elements of the Transition Governance Framework and the Service Management arrangements to ensure that all components hang together. A high level roadmap for development of the Transition Governance Framework will be shared at the December TORWG.

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Ofgem CR055 Decision Update

INFORMATION: Verbal update on Ofgem's decision on CR055

Sponsor (Ofgem)

10 mins

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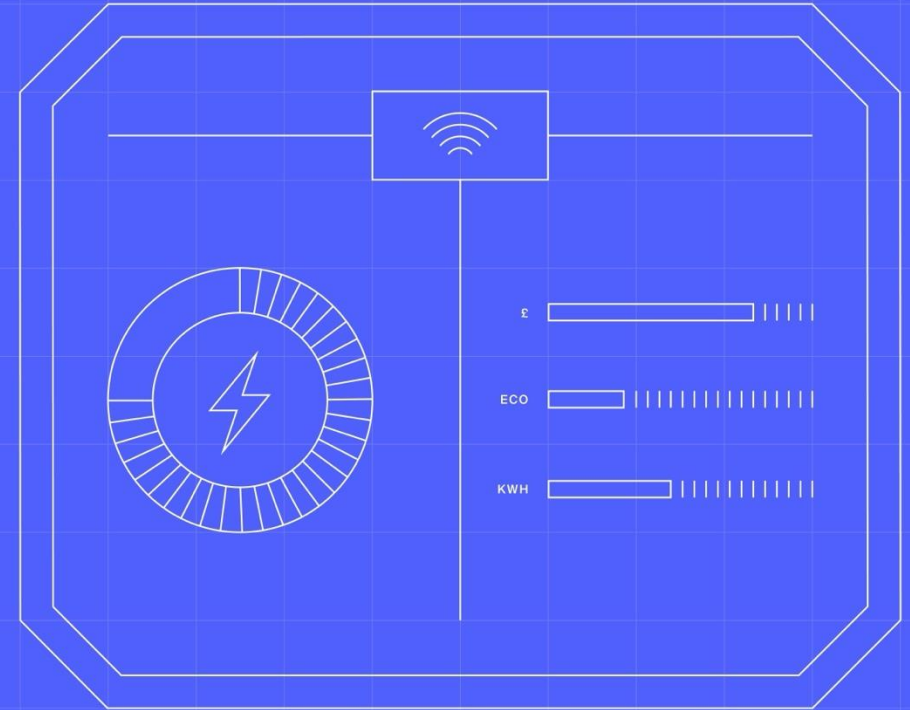Industry-led, Elexon facilitated
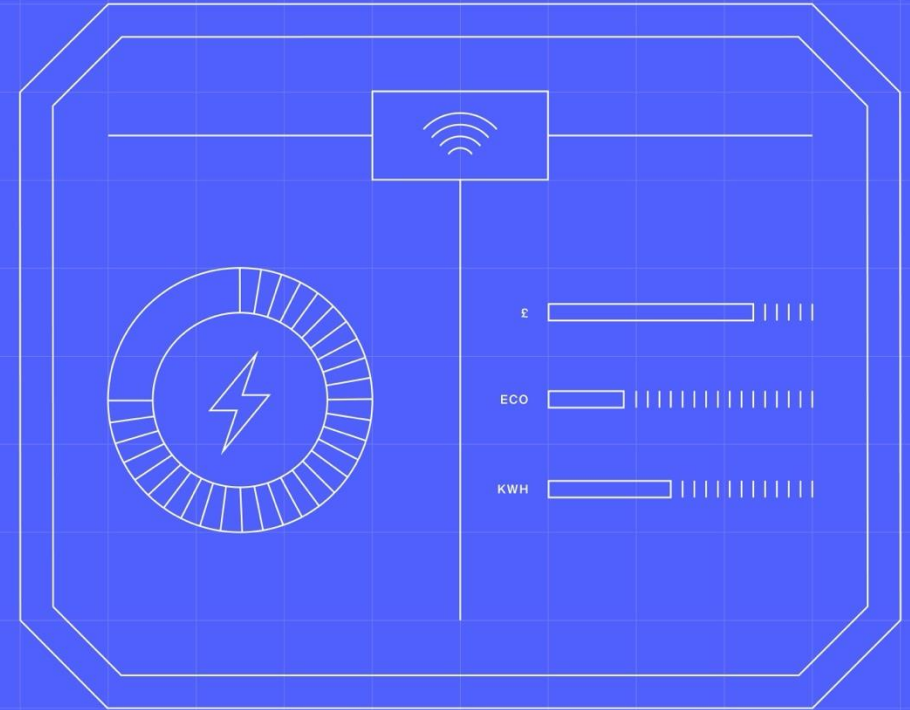
Programme Update - Testing

INFORMATION: Updates from the Programme on SIT

Programme (Keith Clark)

20 mins

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Overview of SIT status

Results (at end of Sprint 7)

- As expected, Sprint 7 continued to be challenging in terms of velocity
- No MVC cohorts were on track to the <u>MVC</u> CR055 model for SIT(F) + SIT(M)
  - Cohort A at 86% vs. CR055 cumulative model, Cohorts F and B at 83% and 81%
- Non-MVC cohorts (vs. <u>non-MVC</u> CR055 model) did rather better
  - the best-performing cumulatively, were Cohorts H (114%), C (111%) and G (97%)
- Measured vs. the potential revised model, Cohorts A, F and B would be 101%, 98% and 95% (this model yet to be agreed but should be concluded this week)
- 38 tests have now been passed in Settlement Testing
  - 96 defects raised in Cycle 3 (much higher level than expected), but only 21 still open
  - all SET 1 tests have been passed, (all Cohorts + 2 Helix tests)

Impacting factors (in Sprint 7)

- As expected, the fastest cohorts started being impacted by the lack of enough (not blocked) SIT(F) and SIT(M) tests to run – this is evidenced by slower cohorts going relatively quicker in this sprint
  - IR8.4 is not in place (to un-block 98 tests), and will not be released until 02-Dec
  - velocity of SIT testing correlates directly to cohorts having the flexibility to initiate many more tests than needed to meet sprint targets and to be less impacted by defects
- Effort to initiate more paired tests in Sprint 7 was expected to yield benefits mainly in Sprint 8, given the length and complexity of many of those tests
- We have seen some negative impact on Settlement testing, as parties seek to work harder to maintain progress in SIT(F) and SIT(M) under stated constraints

Actions taken / being taken at the end of Sprint 7

- DIP and MPRS IR8.4 deployment has successfully completed, ready for Sprint 8 start on Monday 02-Dec
- Of the 98 SIT(F) and SIT(M) tests (30% of allocated tests) that were in progress at the end of Sprint 7, a third were more than 50% passed - all will be carried over into Sprint 8 to allow a 'warm start'
- The remaining 1 priority SIT(M) test (previously blocked by awaited IR8.4 functionality) is under high focus, to enable non-SIT LDSO testing start
  - now blocked by a new defect; once fixed all cohorts will be asked to prioritise testing
  - only 1 pass by 1 cohort is required to support the non-SIT LDSO dependency
- Other previously (IR8.4) blocked tests have been made available to cohorts, to enable flexibility of selection and maximum velocity

Sprint 8 outlook

- IR8.4 delivery frees up 81 SIT(F) tests (5,420 points) from 02-Dec, so we expect better velocity in Sprint 8
  - paired tests initiated in Sprint 7 would be expected to contribute also
- It should be noted however, that with a significant release of new functionality, there may be initial issues
- Settlement testing will focus on SET 2, and the plan is proposed to be elongated to a post-Christmas period of 1 stability week + 3 further 2-week sprints
  - this plan can be accommodated within the CR055 timetable
  - SITWG, SITNFWG will discuss before SITAG approval being requested on 18-Dec

Programme response to Cycle 3 SIT Progress – Bilaterals with MVC

- The Programme team (LDP & SRO) met with key representatives of each MVC cohort (A, B, F, J) to look at why testing in Sprints 5 and 6 (andexpected also in Sprint 7) has been slower than expected – and how to best address the matter for future sprints
- Two key themes were apparent:

Themes	Why is this a problem?
The fastest cohorts are starting to be impacted by the lack of enough (not blocked) SIT F and SIT M tests to run	• IR8.4 was originally hoped to be released for Sprint 7 but can only be available for the start of Sprint 8 – there are 81 blocked SIT(F) and SIT(M) tests (c. 5400 test points), meaning that fast cohorts are reaching a point of having less tests available to initiate • Cohorts A, B and F are 'front runners' in SIT(F) and SIT(M) because they understood that the key to progress is to launch asmany tests as possible, as early as possible • Basically, it's a 'numbers game' – some tests will be blocked by defects and the aim is to have enough tests in flight to be not materially affected in terms of progress • This requires the organisation performing the 'supplier role' to have adequate capacity (enough resources and / or supportingsystems) • Other PPs in the cohort do need to be able to support this approach to testing – and the 'supplier role' needs to manage the ecosystem proactively to drive this • The lack of enough (not blocked) tests in Sprint 7 was expected to obstruct such tactics for the fastest cohorts (A, B and F)
There has been a need for higher focus – and effort – on Settlement Testing	• Due to high level of defects, this testing has been slow – and continues to require heavy and dedicated support from the LDP • Most (not all) MVC cohorts have assigned some specific resources to focus on this • The assumption that 20% of PP effort for Settlement Testing has probably under-called what has actually been needed so far

- Sprint 7 was expected to be challenging in terms of progress, so the Programme agreed specific tactics with MVC Cohorts to ensure best use of their capacity and to maintain momentum:
  - The fastest cohorts were asked (and in some cases offered) to take up more Settlement tests (including moving into SET 3 tests earlier)
  - All cohorts were asked to increase focus on paired (cross-cohort) tests
  - Where a cohort was seen to have opportunities to pick up the pace of initiating more tests, more quickly, they were asked to do so (and did)
  - MVC cohorts were asked to support their partnered cohort in increasing paired test execution, and to initiate more paired tests themselves – these are complex and take time to pass

Optimising SIT Scope

- Work has been ongoing between the Programme and Code Bodies to optimise and clarify SIT scope
  - o the aim has been to identify planned SIT(F) and SIT(M) tests which are not testable, are not required or which duplicate what is covered in PPs' (assured, evidenced) PIT activities
  - o this exercise has been able to further validate test scope using the RTTMs as the reference source
  - o the result of this exercise has been to identify a proposed reduction in SIT(M) tests (from the CR055-assumed model), primarily due to coverage in PPs' PIT; the size of these tests (points) is relatively large
  - o the SIT(F) exercise has resulted in a minor increase in test cases (from the CR055-assumed model), but the size of these tests (points) is small

- The result of the above exercise is that the maximum number of test points (SIT(F) and SIT(M) combined) could be reduced by around 18% (subject to final Code Body conclusion on SIT scope)
  - o for some cohorts, the target would be further reduced if they have no UMS or MDR tests to perform (MDR tests do not necessarily have to be performed by MVC cohorts and if not executed amount to 11% of the proposed reduced overall target)
  - o the split of SIT(F) vs. SIT(M) would change from 53% / 47%, to 63% / 37%

- The SIT(M) scoping exercise is expected to conclude soon, with Code Body collaboration making good progress (some minor variation to numbers may be therefore be seen)

- Ofgem and IPA have been walked through the above, to ensure that there is alignment on the general approach and reasoning – and FTIG (22-Nov) were provided with line of sight on the direction of travel on this exercise.

Revising the SIT Execution Model

- The Programme wishes to formally reduce the targets to the newly-identified levels (once agreed), and has been consulting with MVC cohorts to align on the proposed model:
  - PPs have been asking for a review of the model in light of intended de-scoped tests, and wish to be measured 'fairly' vs. what needs to be done
  - the Programme has committed to interim checkpoints (the first one being on 06-Dec), including execution model reviews
  - conducting this adjustment will allow all stakeholders to understand, more accurately, progress and likelihood of SIT completion within the CR055 timescales

- The programme intends to retrospectively apply and report to this reduced model, as from the start of Cycle 3, as and when the model is agreed
  - the alternative would be to over-reduce targets for future sprints, which would not be preferred

- Other notes on the revised model:
  - use Sprint 4 velocity as a calibration point for Cycle 3 start velocity (as Sprints 4.1 and 4.2 were 'exceptional')
  - Sprints 5 to 7 velocity 'flat' at 1000 points per sprint, to accommodate initial addressing of new IR8.3 functionality and additional focus on Settlement
  - linear progression from Sprint 8 until the revised target. 'Hockey stick' is not proven, and pace is generally resource-constrained (not defect-constrained)
  - some PPs have stated that levels above 2000 points per sprint are riskier – the proposed revised model supports that

- <u>The currently-proposed revised model would calibrate to 3 MVC cohorts still being on-track (99% - 100%) at the end of Sprint 6</u>

Update on Settlement Analysis Model

INFORMATION: Walk-through of model, objective and approach

Elexon

10 mins

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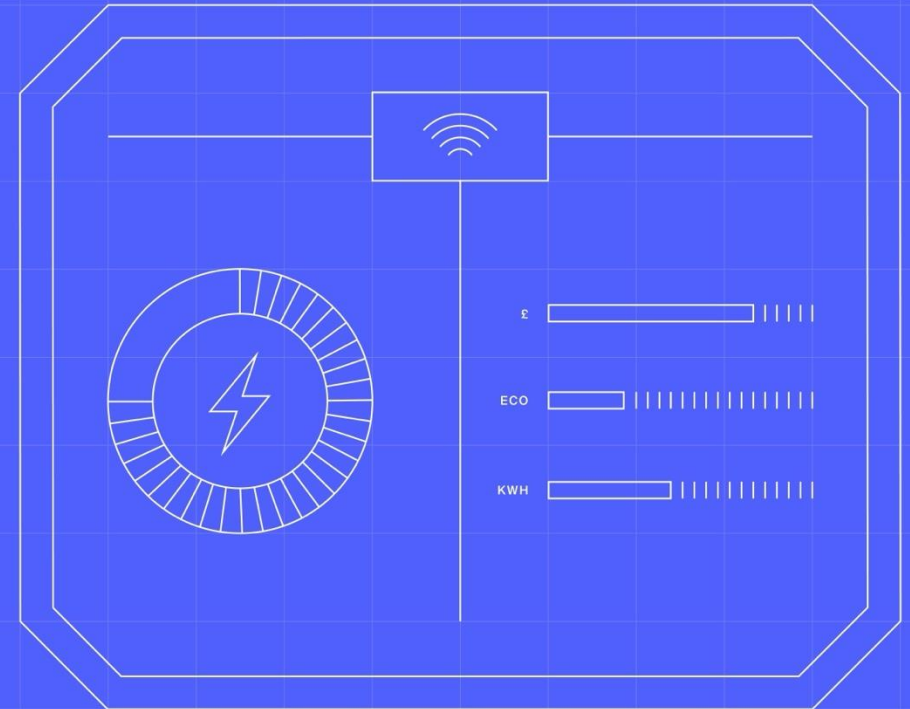
Client Requirements

Service Analysis (18th June 2024)

Develop a visualisation tool to display new load shapes for the NHH sector alongside existing load profiles. This tool should allow industry participants to compare daily, yearly, and Load Shape Category data

Data to complete all load shape categories (LSC) as defined as per LSC Method statement:

- LSC MS: Appendix 1 for LSC

- LSC MS: Section 9 Calculating The LSC associated with each LSC

- LSC MS: Section 10 Calculating the Load Shape Total for each LSC

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Client Assumptions

- Map existing metered data to relevant LSCs to ensure that the required number of sites are in each category

- LSC output to be generate per calendar day

- LSC to be shaped per year

- Data to be used by industry participants (timescale to be confirmed)

- Based on anonymised, actual data with no requirement to adjust for temperature or sunset times/day of week/day type (i.e., public holidays)

- Data to be in HH granularity for a full calendar year

- Data to be in in UTC

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Client Output and Validation

Data to be in Kwh as per method statements.

Per MPAN sample, only use sites where there is a complete set of data for all time periods.

Output:

- Data to be shown graphically per day and per year, per LSC

Validation:

- Outliers in data per load shape category (max/min) identified

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Engage Approach - Overview

Overview of Deliverables

The work involves the analysis for section 11.1.1 'LSS Smart meter sample consumption data' of MHHS CR0013:

- Collecting sample meter data from one or more Suppliers

- Categorising the meters into Load Shape Categories (LSC, defined in Appendix 1 in the LSS Method Statement)

- Producing load shapes by applying the shape methodology from the LSS Method statement

- Analysing the results; and

- A summary document of the results and conclusions

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Input Sample Data Received

Overview of Input Sample Data

Sample input data for analysis was collected from Suppliers; the sample data covered the following Load Shape Categories:

Market Segment Indicator	GSP Group ID	Domestic Premise Indicators	Measurement Quantity	Non-Smart Switched Load Profile Class	Connection Type Indicator
S = Smart	_A to _P = inclusive	T = True)	AI = Active Import)	2 = switched load sites Blank = non-switched load sites	W = Whole)

Therefore, LSC relating to Domestic Active Import, across all 14 GSP Groups, for PC1 and PC2 are covered in this analysis, with:

• Minimum number of non-switch load sites per GSP Group = c10,000

• Minimum number of switch load sites per GSP Group = c500

• Total sample sites used in analysis = c185,000

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Count of Sample Data (by type)

Table of Sample Data by type:

Market Segment Indicator	GSP Group ID	Domestic Premise Indicator	Measurement Quantity	Non-Smart Switched Load Profile Class	Off-Peak Period (UTC) Start Time	Off-Peak Period (UTC) End Time	Connection Type Indicator	De-minimis Data Count	Approximate MPAN Count
S	_A	T	AI				W	50	12,000
S	_A	T	AI	2	00:00	07:00	W	50	8,000
S	_B	T	AI				W	50	11,000
S	_B	T	AI	2	00:30	07:30	W	50	7,000
S	_C	T	AI				W	50	11,000
S	_C	T	AI	2	00:30	07:30	W	50	800
S	_D	T	AI				W	50	11,000
S	_D	T	AI	2	00:30	07:30	W	50	500
S	_E	T	AI				W	50	11,000
S	_E	T	AI	2	00:30	07:30	W	50	2,000
S	_F	T	AI				W	50	11,000
S	_F	T	AI	2	00:00	07:00	W	50	400
S	_G	T	AI				W	50	11,000
S	_G	T	AI	2	00:30	07:30	W	50	1,000
S	_H	T	AI				W	50	10,000
S	_H	T	AI	2	00:30	07:30	W	50	7,000
S	_J	T	AI				W	50	11,000
S	_J	T	AI	2	00:30	07:30	W	50	5,000
S	_K	T	AI				W	50	10,000
S	_K	T	AI	2	00:30	07:30	W	50	2,000
S	_L	T	AI				W	50	10,000
S	_L	T	AI	2	00:00	07:00	W	50	2,000
S	_M	T	AI				W	50	10,000
S	_M	T	AI	2	00:30	07:30	W	50	700
S	_N	T	AI				W	50	11,000
S	_N	T	AI	2	00:00	07:00	W	50	0
S	_P	T	AI				W	50	10,000
S	_P	T	AI	2	00:00	07:00	W	50	0

**Note that the table shows:**

- MPAN counts rounded to the nearest 1,000 if above 1,000, or to the nearest 100 if below 1,000

- Sample data is not shown for switched load sites in GSP Group IDs _N and _P as these were below the de-minimus threshold

- Sample sites will be excluded if they are missing sample data for a significant period of time; as such,
- shown MPAN counts may reduce

- If MPAN counts falls below the de-minimus for a particular LSC, this LSC will be excluded from the
- analysis

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Programme Change Requests
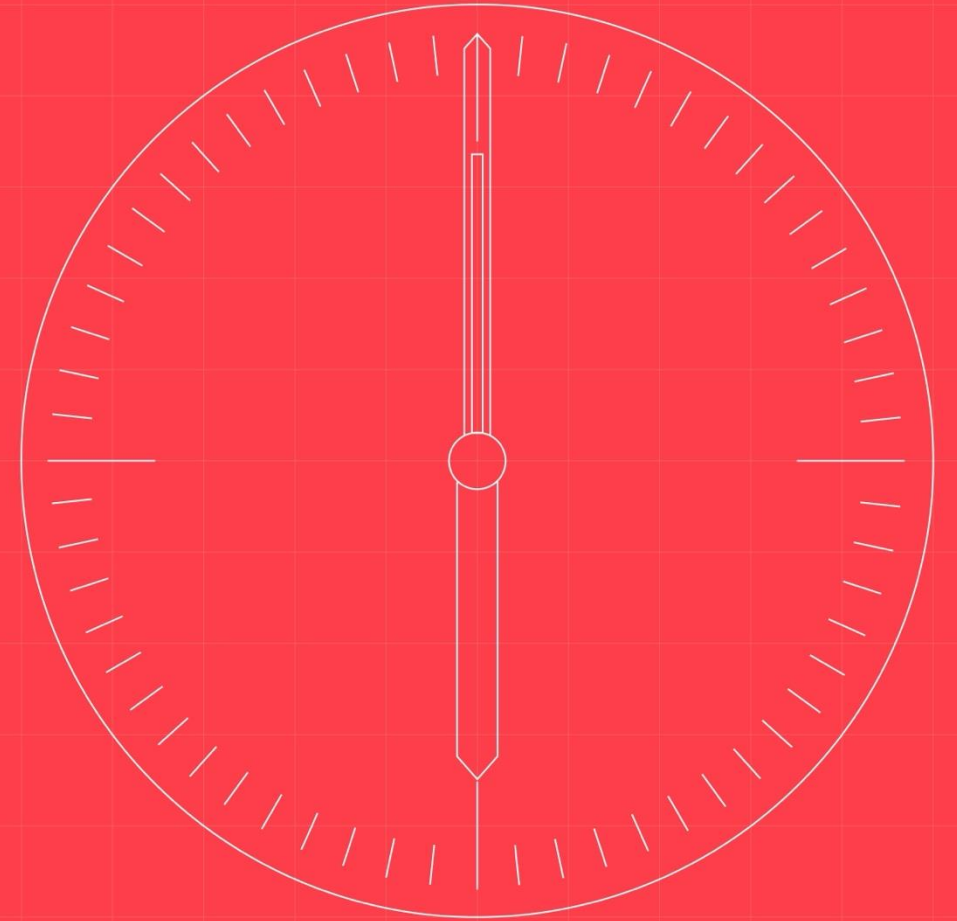
DECISION: Decision on approval for CR058 and CR059

Programme (PMO)

10 mins

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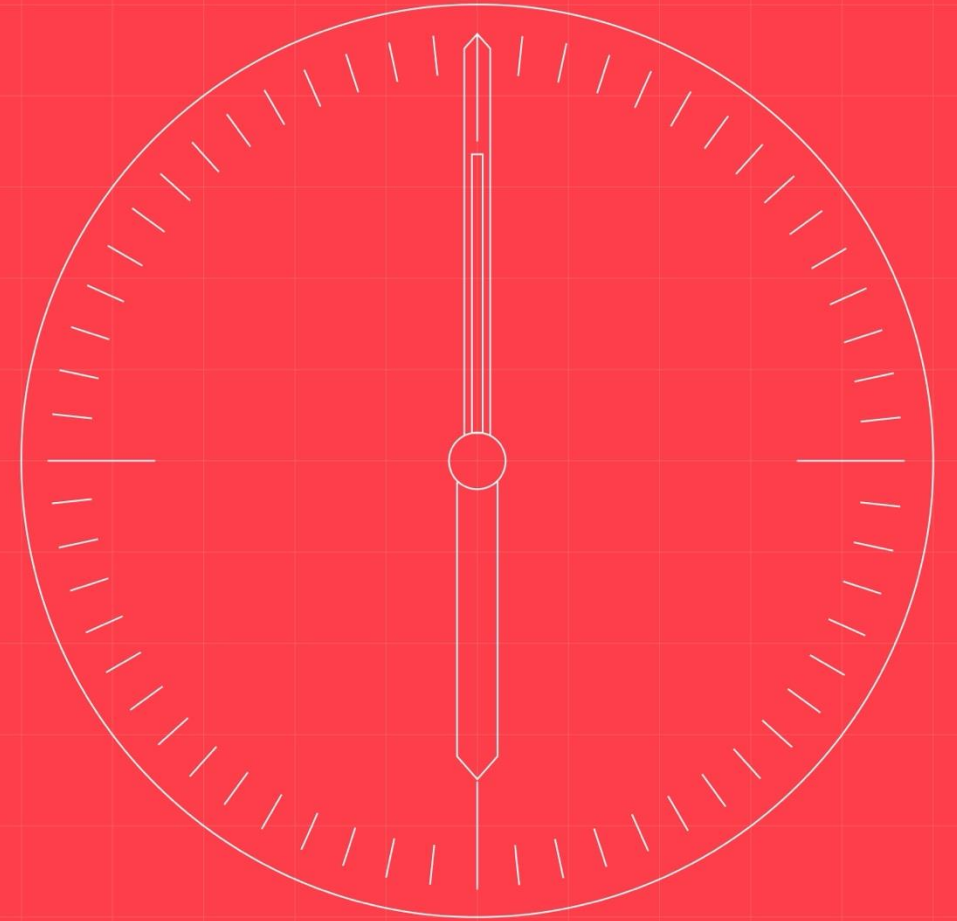
CR058 Impact Assessment Report & Recommendations

DECISION: CR058: '*Adding the DIP Manager as an Industry Representative to Advisory Groups*'
Review the outputs of Impact Assessment and make a decision on next steps

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Objective:

Programme Steering Group to review the outputs of the issued CR058 Impact Assessments and decide to approve or reject the Change Request.

Headlines:

- Overall: **18 respondents supported the change; 0 respondents rejected the change; and 3 respondents abstained.**
- **Those who supported the implementation of the Change Request did so on the following basis:**
  - There is support for adding the DIP Manager as a permanent member to advisory groups, as it will have little tangible impact on Participants due to being a change to Programme Governance participants.
  - There is an acknowledgement that if the DIP Manager is not included in these Advisory Groups, there is potential for key updates to be missed which could have a negative impact on the Programme as a whole.
  - One respondent recommended that the DIP Manager be treated the same as other code bodies and requirements included within the scope of the DIP Rules and Section C of the BSC that support the overall delivery of the MHHS Programme requirements.
- **The respondents who abstained from the implementation of the Change Request gave the following reason:**
  - All respondents who abstained did so on the basis that there would be no impact on their organisations as an output of adding the DIP Manager to Advisory Groups.
- **Implementation:**
  - If the change is approved, the DIP Manager will be added as a permanent representative to all Advisory Groups (CCAG, MCAG, SITAG, QAG, PSG*).

  The DIP Manager will be represented by Elexon at PSG, with the rationale that the role is for BSCCo to deliver for M10, and therefore the delivery element can be covered by a single BSCCo representative. If there is a specific DIP Manager item at PSG, then the SRO would invite the DIP manager for that item, or Avanade if that was more appropriate.

Recommendation:

- The Change Board recommends the SRO to **approve** the Change Request at PSG.
- **Rationale:** 0 respondents rejected the Change Request. Those who abstained did so because the changes do not impact them.
- Implementing this change is seen as important to ensure good Programme Governance, and to prevent key DIP updates from being missed due to miscommunication.

CR058 – Submitted Impact Assessments

Programme Parties	CR058 Recommendations			
	Agree	Disagree	Abstain	No Reply
Large Supplier	3	0	0	2
Medium Supplier	1	0	0	4
Small Supplier	1	0	0	11
I&C Supplier	4	0	1	50
DNO	4	0	0	2
iDNO	0	0	0	20
Independent Agent	0	0	0	16
Supplier Agent	1	0	0	5
Software Provider	0	0	0	20
REC Code Manager	1	0	0	0
National Grid ESO	0	0	1	0
Consumer	0	0	0	1
Elexon (Helix)	0	0	0	1
Elexon (DIP Manager)	1	0	0	0
DCC	0	0	0	1
SRO / IM & LDP	1	0	0	0
IPA	0	0	1	0
Avanade	1	0	0	0
Totals	**18**	**0**	**3**	**132**

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:

- The IPA, Nation Grid ESO and Noriker Power Ltd. abstained from providing a recommendation as they are not impacted by the proposed changes.

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CR058 Impacts – Views on the proposed approach (Page 1)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR058)
Large Suppliers	+ The three large suppliers that responded supported the implementation of the Change Request, citing that there is little or no impact on them.
Medium Suppliers	+ The one responding Medium Supplier supported the implementation of the Change Request.
Small Suppliers	+ The one responding Small Suppliers supported the implementation of the Change Request.
I&C	+ Four of the five responding I&C suppliers supported the implementation of the Change Request. • The remaining responding I&C supplier abstained due to no impact from the proposed change.
DNO	+ The four DNOs that responded supported the implementation of the Change Request.
iDNO	• No iDNO responses were received.
Supplier Agents	+ The one responding Supplier Agent supported the implementation of the Change Request.
DCC	• There was no response from DCC for this Change Request

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CR058 Impacts – Views on the proposed approach (Page 2)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR056)
S/W Providers	• No responses were received from Software Providers.
REC Code Manager	+ RECCo are supportive of the implementation of the Change Request. • It is suggested that the DIP Manager should be treated the same as other code bodies and requirements included within the scope of the DIP Rules and Section C of the BSC that support overall delivery of the MHHS Programme requirements. – Changes to Section C of the BSC would require a modification to be raised and divert resources to do so. The Programme will keep this under review to see if it is actually required. Changes to the DIP Code are a matter for the DIP Manager. However, this is out of scope of this particular Change Request.
National Grid ESO	• National Grid ESO abstained due to the proposed change having no impact on them.
Consumer	• No Consumer responses were received.
Elexon (Helix)	• No Helix response was received.
Elexon (DIP Manager)	+ Response from the DIP Manager is supportive of the proposed change, as there is benefit to formalising the DIP Manager's involvement in the Advisory Groups.
SRO / IM & LDP	+ As proposer, The Programme are supportive of the implementation of the Change Request, due to the proposed change having little to no impact on the Programme, and the risk of the DIP Manager missing crucial DIP updates if they are not included in the relevant groups.
IPA	• The IPA abstained from providing a recommendation as the proposed change has no impact on their activities.
Avanade	+ Avanade supported the proposed change, citing that as the DIP Service Provider, it will ensure that relevant stakeholders are engaged through the correct forums. Avanade asked for clarification on the rationale for Helix and DIP Manager role being combined at PSG. - The rationale was that the role is for BSCCo to deliver for M10, and therefore the delivery element can be covered by a single BSCCo representative. If there is a specific DIP Manager item at PSG, then the SRO would be happy to invite the DIP manager for that particular item, or Avanade if that was more appropriate.

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CR059 Impact Assessment Report & Recommendations

DECISION: CR059: '*ELEX-REP-020 implementation*'
Review the outputs of Impact Assessment and make a decision on next steps

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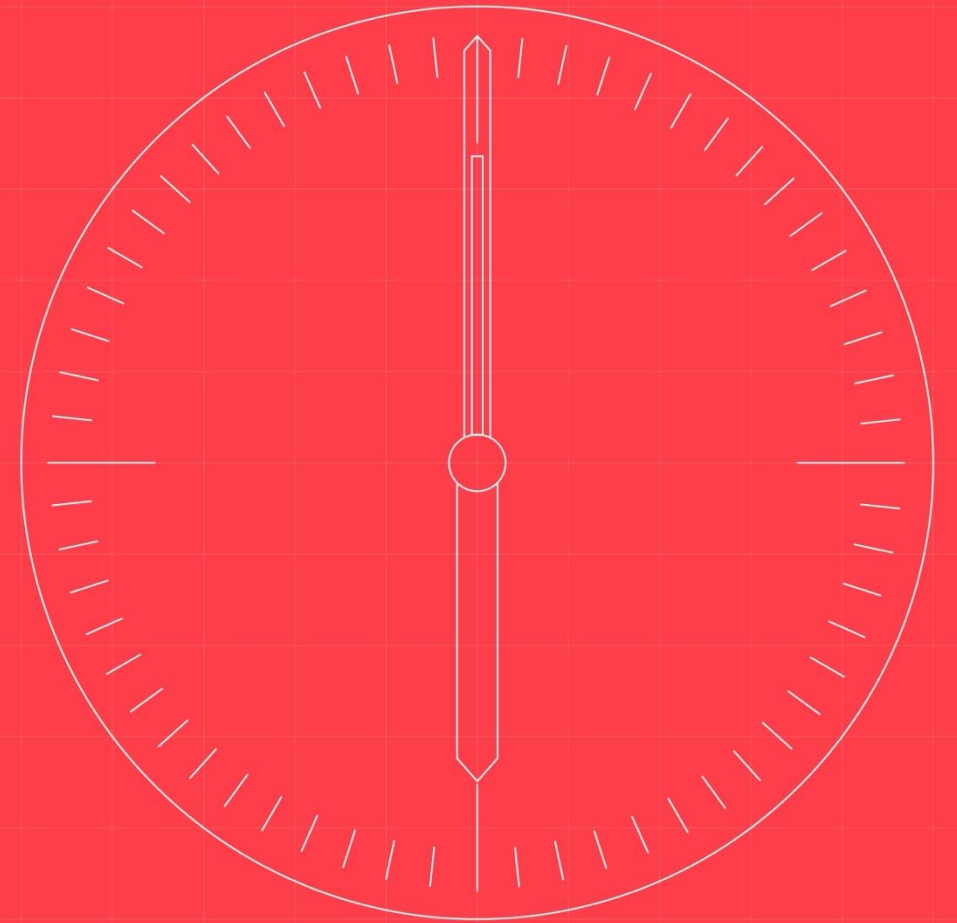
CR059 – Impact Assessment Summary

Objective:

Programme Steering Group to review outputs of the issued CR059 Impact Assessments and decide to approve or reject the Change Request.

Headlines:

- Overall: **11 respondents supported the change; 0 respondents rejected the change; and 10 respondents abstained.**

- **Those who supported the implementation of the Change Request did so on the following basis:**

  - Respondents who supported the change did so on the basis that many would not be impacted by the proposed change but that the change would be positive to the Programme overall, and that it is a sensible approach which mirrors the existing process and reduces risk.

  - The proposed change is essential for accurate reporting between Helix and EMRS. If the proposed change is not approved, an alternate solution would need to be developed which would cause significant risk to Programme timelines due to the necessity for additional deployment, additional Settlement Test Cases and thus potential impact to M10.

  - This change request could also have an additional benefit to Suppliers in retaining the D0357 for them as well. Since the D0357 can meet the MHHS requirements for EMRS, then the D0357 should also continue to be sent to Suppliers post MHHS to ensure that data relating to the half hourly metered data used for CM and CFD is consistent between EMRS and Suppliers.

- **The respondents who abstained from the implementation of the Change Request gave the following reasons:**

  - Respondents who abstained did so on the basis that they are not impacted by the proposed change.

- **Implementation:**

  - If the change is approved, implementation will require updates to to mapping between the SPQI and A/E indicator within Helix.

Recommendation:

- The Change Board recommends the SRO to **approve** the Change Request at PSG.

- **Rationale:** 0 respondents rejected the Change Request. Those who abstained did so because the changes do not impact them.

- Implementing this change is seen as important to ensure accurate reporting between Helix and the EMRS, and not implementing the proposal adds increased risk to programme timelines due to the required development and testing of a different solution.

CR059 – Submitted Impact Assessments

Programme Parties	CR058 Recommendations			
	Agree	Disagree	Abstain	No Reply
Large Supplier	2	0	1	2
Medium Supplier	1	0	0	4
Small Supplier	1	0	0	11
I&C Supplier	4	0	2	49
DNO	0	0	1	5
iDNO	0	0	0	20
Independent Agent	0	0	0	16
Supplier Agent	2	0	0	4
Software Provider	0	0	0	20
REC Code Manager	0	0	1	0
National Grid ESO	0	0	1	0
Consumer	0	0	0	1
Elexon (Helix)	0	0	0	1
Elexon (DIP Manager)	0	0	1	0
DCC	0	0	1	0
SRO / IM & LDP	1	0	0	0
IPA	0	0	1	0
Avanade	0	0	1	0
Totals	**11**	**0**	**10**	**132**

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:

- The IPA, Nation Grid ESO, RECCo, Avanade and the DCC abstained from providing a recommendation as they are not impacted by the proposed changes.

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CR059 Impacts – Views on the proposed approach (Page 1)

| Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR058)
Large Suppliers	+ Two of the three large suppliers that responded supported the implementation of the Change Request, citing that there is little or no impact on them. • One large supplier abstained.
Medium Suppliers	+ The one responding Medium Supplier supported the implementation of the Change Request.
Small Suppliers	+ The one responding Small Suppliers supported the implementation of the Change Request.
I&C	+ Four of the six responding I&C suppliers supported the implementation of the Change Request. • The two remaining I&C Suppliers abstained due to no impact.
DNO	• The one DNO that submitted an IA response abstained due to no impact from the proposed change. • One DNO did not submit an IA but communicated no impact from the proposed change
iDNO	• No iDNO responses were received.
Supplier Agents	+ The two responding Supplier Agents supported the implementation of the Change Request.
DCC	• DCC abstained to this change, as it does not fall within their scope

CR059 Impacts – Views on the proposed approach (Page 2)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR056)
S/W Providers	• No responses were received from Software Providers.
REC Code Manager	• RECCo abstained from providing a recommendation, as the D0357 is not a REC-owned flow and isn't used in any REC-owned processes. • There was a request for confirmation from the Programme on if/when support is required from the REC Code Manager to update the DTC with the new D0357 scenario variant for SIT purposes. - The DTN does need to be updated for SIT - else the test will fail as the D0357 can't be sent using the existing routing. The Programme view is that the EMSDS can be updated later and not directly required for SIT but would encourage implementation sooner to reduce risk.
National Grid ESO	• National Grid ESO abstained due to the proposed change having no impact on them.
Consumer	• No Consumer responses were received.
Elexon (Helix)	• No Helix response was received.
Elexon (DIP Manager)	• Response from the DIP Manager abstained from providing a recommendation as the proposed change does not fall into any current categories of DIP Users.
SRO / IM & LDP	+ The Programme are supportive of the implementation of the Change Request, as the Programme acknowledges that the proposed change significantly mitigates delivery risk. Failure to approve this change will increase risk to the Programme timelines due to the necessity for additional deployment and Settlement Test Cases.
IPA	• The IPA abstained from providing a recommendation as the proposed change has no impact on their activities.
Avanade	• Avanade abstained from providing a recommendation as the proposed change has no impact on the DIP.

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2024 in Review

INFORMATION: A review and look-back on the progress made in 2024

Programme (Helen Adey)

15 mins

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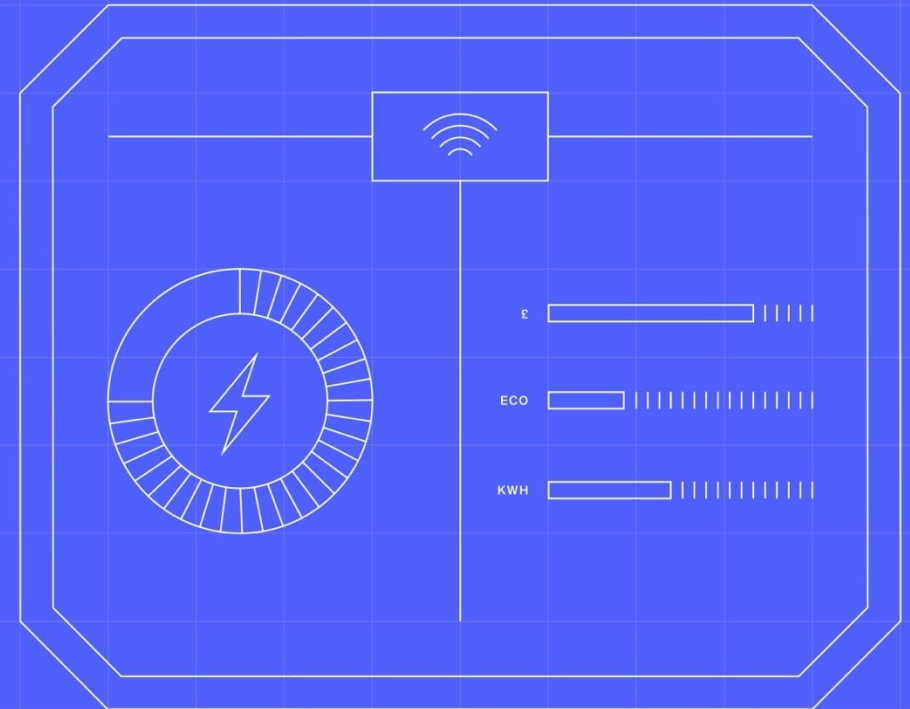
Milestones Complete	Governance Meetings	DINs Implemented	Change Requests Approved	PPC Bilaterals
109	**188**	**231**	**14**	**954**

2024 Achievements

✓ CIT complete

✓ SIT Functional and SIT Migration underway

✓ M6 approved at CCAG

✓ M10/11 Cutover Plan approved by MCAG

✓ Migration Framework agreed

✓ CR055 recalibration concluded

✓ QAD published

✓ Test Harness for LDSO and S&A deployed

2025 Outlook

→ Non-SIT LDSO testing commences

→ SIT Operational and Non-Functional start

→ Conclude System Integration Testing

→ Supplier & Agent Qualification starts

→ New code baseline and central systems go live (M8 & M10)

→ Post-M10 Governance Framework goes live

→ First MPANs migrated (M11)

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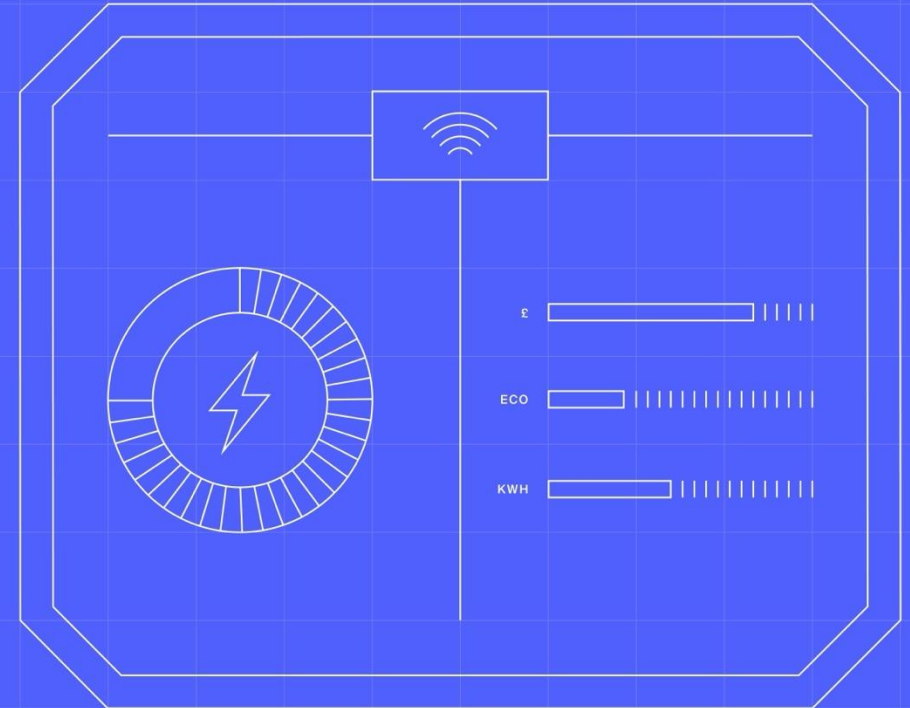
Industry Reflections

Theme	Further detail
Achievements and Progress	• Significant progress with MHHS Programme, including E2E testing. Successful collaboration examples include delivering MPRS code into programme test phases, proposing refinements to improve MHHS design via the CR and DIN processes. (DNOs & St Clements) • Approval of M6 milestone and development of code changes for MHHS design. Worked closely with the Programme to manage the MHHS Change Freeze and develop modifications to the REC required for M8. (RECCo) • Publishing the Qualification Approach and Plan, establish agreed Assessment Criteria with the REC PAB, and developed, including the QAD and QAD Portal. (RECCo)
Challenges	• Concern that recurring challenges in SIT cycles 1 & 2 may occur again and so result in continual tweaks to the timeline, so increasing cost. (I&C Supplier) • Unplanned activities, design uplifts, test data challenges, and certificate issues. Emphasised the need for forward planning to account for unknown disruptors and potential compound outcomes on efficiency. Concern that SIT NFT, Operational and Regression may fall into same trap as SIT F, Migration and Settlement (Supplier & Agent)
Collaboration and Support	• Collaboration between DNOs, St Clements, and central Programme team. Proactive in proposing refinements to improve MHHS design. Successfully met all Data Cleansing milestones throughout 2024. (DNOs & St Clements) • Support from Programme, helpfulness of Francesca and Kiran (PPC). Participation in INA MHHS catch-ups invaluable. Documentation affected by programme date changes updated more quickly. The Clock, Bilaterals and taking feedback on board is working very well. (iDNOs)
Opportunities for Improvement	• Greater transparency in SIT progress and activities needed. (I&C Suppliers) • Consider alternative testing approaches, such as need for "lessons learned" document from SIT testing, automation of test steps and evidence capture. More diligent assurance of the design should have been conducted prior to commencing testing. (Supplier & Agents) • In certain instances, better signposting and more time could be provided for PP reviews and responses. (Large Suppliers)
Governance and Documentation	• Encouraging that DIP Rules are now in place and work has begun on establishing post-M10 Governance. Though recent delays to post-M10 governance model have caused further delays to industry and Code Bodies in addressing changes that the Programme is not proposing to progress. (RECCo) • Issues with version control on documents and notification distribution. Sometimes no rationale for who receives communications, and multi-iterations of some documentation can lead to confusion. DIP certificate and domain renewal and DIP onboarding were challenging. (iDNO)

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Delivery Dashboards

INFORMATION: Questions from PSG members on delivery dashboard content

Chair

20 mins

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

Milestone	Milestone Title	Forum	Baseline Date	Forecast Date	Responsible	Previous RAG	Current RAG	Forecast RAG	Commentary
T3-MI-0017	MCAG Approval of Migration Framework Artefacts (Baselined)	MCAG (Migration)	Thursday, January 23, 2025	Thursday, January 23, 2025	PP	🟠	🟠	🟠	29/10/24 - Expecting the baseline date to change, but approval needed from MCAG before this can happen. This is due to a combination of the changes coming out of MWG for Consultation 3 being very minimal for the original release date of 28th August and no
T3-DB-0154	SIT Non-Functional RTTM MHHS Review Completed	SITAG	Friday, November 29, 2024	Friday, November 29, 2024	SI Test	🔴	🔴	🔴	27/11/24 -17/34 RTTMs reviews complete. Status red because Programme is still expecting responses to feedback from some PPs on PIT RTTMs and understands some of these will not be recieved by the 29/11/24 deadline.
T3-MI-0016	Migration Period Plan Review 1 Completed	MCAG (Migration)	Friday, January 31, 2025	Friday, January 31, 2025	SRO	🟢	🟢	🟢	27/11/24 - To go to MCAG for removal because milestone no longer reflects the delivery of the migration approach.
T3-TE-0136	ServiceNow SIT Ops Available	SITAG	Tuesday, January 14, 2025	Tuesday, January 14, 2025	Helix	🟢	🟢	🟢	27/11/24 - New milestone added by Programme, awaiting formal SITAG approval.
T3-TE-0138	SITAG approve Theme 3 (Batch 2)	SITAG	Wednesday, December 18, 2024	Wednesday, December 18, 2024	SI Test	🟢	🟢	🟢	27/11/24 - New milestone added by Programme, awaiting formal SITAG approval.
T3-TE-0139	SITAG approve Theme 3 (Batch 1)	SITAG	Wednesday, December 18, 2024	Tuesday, December 17, 2024	SI Test	🟢	🟢	🟢	27/11/24 - New milestone added by Programme, awaiting formal SITAG approval.
T3-DB-0153	SIT Non-Functional PIT RTTM submitted to Programme for assurance	SITAG	Friday, November 01, 2024	Friday, November 01, 2024	PP	🔴	🔵	🔵	27/11/24 - 34/34 PPs have submitted RTTMs to the Programme. Assurance is still ongoing.
T3-DB-0151	SIT Non-Functional PIT Test Approach & Plan (PIT) submitted to Programme for assurance	SITAG	Friday, September 27, 2024	Friday, September 27, 2024	PP	🔴	🔴	🔴	27/11/24 - 34/34 initial plans have been submitted to the Programme, but still expecting revised plans from some PPs to address feedback given from the Programme, hence why this activity can't be completed yet.

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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

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

Milestone	Milestone Title	Forum	Baseline Date	Forecast Date	Responsible	Previous RAG	Current RAG	Forecast RAG	Commentary
T3-DB-0155	SIT Non-Functional PIT test scenarios submitted to Programme for assurance	SITAG	Friday, November 01, 2024	Friday, November 01, 2024	PP				27/11/24 - 33/34 test scenarios have been submitted to the Programme. But still expecting responses to Programme feedback from some PPs, hence why this activity can't be completed yet.
T3-DB-0159	SIT Operational PIT Test Approach & Plan (PIT) submitted to Programme for assurance	SITAG	Friday, September 27, 2024	Friday, September 27, 2024	PP				27/11/24 - 32/34 test approach and plans have been submitted to the Programme. Status red because not all Test Approaches and Plan have been submitted and reviewed by baseline deadline.
T3-DB-0163	SIT Operational PIT test scenarios submitted to Programme for assurance	SITAG	Friday, November 01, 2024	Friday, November 01, 2024	PP				27/11/24 - 32/34 SIT Operational PIT test scenarios have been submitted to the Programme. RAG is red because velocity of returns by PPs means all submission won't be recieved in time for the baseline finish.
T3-DB-0161	SIT Operational PIT RTTM submitted to Programme for assurance	SITAG	Friday, November 01, 2024	Friday, November 01, 2024	PP				27/11/24 - 32/34 SIT Operational PIT RTTMs have been submitted to the Programme. Status red because not all RTTMs have been submitted and reviewed by baseline deadline.
T3-DB-0157	SIT Non-Functional PIT Completion Report submitted to Programme for assurance	SITAG	Friday, November 29, 2024	Friday, November 29, 2024	PP				27/11/24 - 27/34 SIT Non-Functional PIT Completion Reports have been submitted to the Programme. Status red because not all PIT Completion Reports will be recieved by the baseline finish.
T3-DB-0160	SIT Operational Test approach and plan MHHS Review Completed	SITAG	Thursday, November 21, 2024	Thursday, November 21, 2024	SI Test				27/11/24 - 19/34 reviewed. Status red because not all PIT test approach and plans will be recieved by the baseline finish.
T3-DB-0162	SIT Operational RTTM MHHS Review Completed	SITAG	Friday, November 29, 2024	Friday, November 29, 2024	SI Test				27/11/24 - 19/34 reviewed. RAG is red because velocity of RTTM returns by PPs means all reviews won't be completed in time for the baseline finish.
T3-DB-0156	SIT Non-Functional Test scenarios MHHS Review Completed	SITAG	Friday, November 29, 2024	Friday, November 29, 2024	SI Test				27/11/24 - 18/34 scenarios have been completed. Status red because Programme is still expecting responses to feedback from some PPs on PIT test scenarios, hence why this activity can't be completed yet.

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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

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

Milestone	Milestone Title	Forum	Baseline Date	Forecast Date	Responsible	Previous RAG	Current RAG	Forecast RAG	Commentary
T3-DB-0152	SIT Non-Functional Test approach and plan MHHS Review Completed	SITAG	Friday, November 22, 2024	Friday, November 22, 2024	SI Test	RED	RED	RED	27/11/24 - 14/34 test approach reviews completed. RAG'd red because these reviews won't be complete by the baseline finish date.
T3-DB-0164	SIT Operational Test scenarios MHHS Review Completed	SITAG	Friday, November 29, 2024	Friday, November 29, 2024	SI Test	RED	RED	RED	27/11/24 - 13/34 reviewed. RAG is red because velocity of test scenario returns by PPs means all reviews won't be completed in time for the baseline finish.
T3-DB-0165	SIT Operational PIT Completion Report submitted to Programme for assurance	SITAG	Friday, November 29, 2024	Friday, November 29, 2024	PP	RED	RED	RED	27/11/24 - 11/34 submitted. RAG is red because velocity of PIT Completion Report submissions by PPs means all reviews won't be completed in time for the baseline finish.
T3-DB-0166	SIT Operational PIT Completion Report MHHS Review Completed	SITAG	Friday, December 20, 2024	Friday, December 20, 2024	SI Test	AMBER	AMBER	AMBER	27/11/24 - 0/34 submitted. RAG is Amber because velocity of submissions by PPs means all reviews might not be completed in time for the deadline.
T3-DB-0158	SIT Non-Functional PIT Completion Report Theme 1 MHHS Review Completed	SITAG	Friday, December 20, 2024	Friday, December 20, 2024	SI Test	AMBER	GREEN	GREEN	27/11/24 - 0/2 Theme 1 Completion Reports assured by the Programme. Status green because the deadline for assurance is 20/12/24, as agreed at NFTWG.
T3-TE-0017	Qualification Testing Tranche 1 Participants' UIT environments ready to start connectivity proving (incl. certificates and security compliance)	QAG	Monday, August 26, 2024	Monday, August 26, 2024	SI Test	RED	RED	RED	26/11/24 - This is a duplicate, with the more up to date and accurate activity / milestone in S&A plan. QAG to confirm whether this can be removed.
T2-QU-1100	Qualification Testing Wave Readiness Confirmed	QAG	Monday, May 27, 2024	Monday, May 27, 2024	S+A Qualification	GREEN	RED	RED	26/11/24 - New milestone proposed to reflect the conlcusion of the activity the Programme needs to complete to be ready for Testing Wave start. This will go to QAG for formal approval.
T3-TE-0141	Test Case Rationalisation complete	SITAG	Friday, December 20, 2024	Friday, December 20, 2024	SI Test	GREEN	RED	RED	26/11/24 - Analysis and review more complex than anticipated, so Programme is reviewing Rationalisation (Functional + Migration) timeframes and will inform SITAG of this in December.

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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

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

Milestone	Milestone Title	Forum	Baseline Date	Forecast Date	Responsible	Previous RAG	Current RAG	Forecast RAG	Commentary
T3-TE-0140	End of Settlement Testing Cycle 3	SITAG	Friday, December 20, 2024	Friday, December 20, 2024	SI Test	🟩	🟧		25/11/24 - New milestone added by Programme, awaiting formal SITAG approval. Progress is being made, but at a slower velocity than expected, so date is considered at risk.
T3-QU-0076	Non-SIT LDSO Participants have submitted functional PIT Test Completion Report & evidence for QT Entry	QAG (Non-SIT LDSO)	Friday, November 29, 2024	Friday, November 29, 2024	Non-SIT LDSO	🟩	🟥	🟥	25/11/24 - At least one participant is expecting to complete PIT in January, hence why this is Red. This will impact their start of QT, however, Programme believes they will complete within the QT window, hence why the QT window RAG is unaffected by this.
T3-MI-0033	MCAG Approval of Early Life Support Model	MCAG (Transition)	Tuesday, July 30, 2024	Tuesday, July 30, 2024	SI Transition	🟥	🟥	🟥	19/11/24 - An update to the revised model and consultation dates will be shared at the December TORWG.
T2-QU-0550	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Test Readiness Confirmed (Final Test Readiness Review for LDSO)	QAG (Non-SIT LDSO)	Friday, December 20, 2024	Friday, December 20, 2024	LDSO	🟥	🟥	🟥	18/11/24 - Milestone RAG'd red because a predecssor activity (T3-QU-0076) is delayed because at least one participant is being delayed, but the factors behind this are internal to them, so not affecting all PPs.
T3-QU-0007	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Programme Test Readiness confirmed	QAG (Non-SIT LDSO)	Friday, December 20, 2024	Friday, December 20, 2024	Non-SIT LDSO	🟥	🟥	🟥	18/11/24 - Milestone RAG'd red because a predecssor activity (T3-QU-0076) is delayed because at least one participant is being delayed, but the factors behind this are internal to them, so not affecting all PPs.
T3-QU-0115	Non-SIT LDSO QT Test Execution Starts	QAG (Non-SIT LDSO)	Monday, January 06, 2025	Monday, January 06, 2025	Non-SIT LDSO	🟩	🟩	🟩	18/11/24 - Despite the fact the dependent activity (T3-QU-0076) has a red RAG status, this is still green. This is because T3-QU-0076 is going to miss the deadline is due to internal issues that affectl only a small number of PPs, which means the rest of

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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

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

Milestone	Milestone Title	Forum	Baseline Date	Forecast Date	Responsible	Previous RAG	Current RAG	Forecast RAG	Commentary
T3-TE-0119	SIT Operational Scenarios & Test Cases Approved - Theme 3 (Batch 1 + 2)	SITAG	Wednesday, December 18, 2024	Wednesday, December 18, 2024	SI Test	🟥	🟩		13/11/24 - Theme 3 Batch 1 industry feedback received and script updates in progress, but review of feedback and update is running behind schedule. Forecast completion date is now a week after baseline, status set to Red.
T3-MI-0500	M16 methodology approved	MCAG (Transition)	Tuesday, November 26, 2024	Tuesday, November 26, 2024	SI Transition	🟥	🟥	🟥	12/11/24 - Production of this artefact has been delayed pending discussion on outstanding artefacts to be produced through TORWG.
T2-RE-0600	Ofgem decisions on M6 baselined code modification proposals (M7)	CCAG	Wednesday, December 11, 2024	Wednesday, December 11, 2024	CPT	🟩			
T2-TE-0750	SIT Operational Testing Preparation Complete	SITAG	Friday, January 17, 2025	Friday, January 17, 2025	SI Test	🟩			
T3-MI-0039	V1.0 of Migration Schedule Baseline Approved at MCAG	MCAG (Migration)	Friday, January 10, 2025	Friday, January 10, 2025	PP	🟩			
T3-MI-0040	M10 Checkpoint	SITAG	Friday, February 28, 2025	Thursday, February 27, 2025	SI Test	🟩			
T3-QU-0008	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Test Execution Schedule Complete	QAG (Non-SIT LDSO)	Friday, November 29, 2024	Friday, November 29, 2024	Non-SIT LDSO	🟩			
T3-QU-0078	LDSO Test Environments Connection Confirmed to UIT Environment	QAG (Non-SIT LDSO)	Friday, November 29, 2024	Friday, November 29, 2024	Non-SIT LDSO	🟩			

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

Milestone	Milestone Title	Forum	Baseline Date	Forecast Date	Responsible	Previous RAG	Current RAG	Forecast RAG	Commentary
T3-QU-0087	Non-SIT LDSO QT Participants have submitted their initial QAD	QAG	Friday, February 14, 2025	Friday, February 14, 2025	Participants	🟩	🟩	🟩	
T3-QU-0113	Test Data Signed Off	QAG (Non-SIT LDSO)	Friday, December 06,	Friday, December	Non-SIT LDSO	🟩	🟩	🟩	
T3-QU-0123	QAG Approval of QT Functional Test Scenarios and Test Cases Batches 3	QAG	Thursday, January 30, 2025	Friday, July 18, 2025	Non-SIT S&A QT Test Team	🟩	🟥	🟥	
T3-QU-0125	Non-SIT LDSO QT - Migration Testing	QAG	Friday, January 31, 2025	Friday, January 31, 2025	LDSO	🟩	🟩	🟩	
T3-TE-0042	SIT Operational Testing Start (SIT B)	SITAG	Friday, February 07, 2025	Friday, February 07, 2025	SI Test	🟩	🟩	🟩	
T3-TE-0048	UIT E2E Sandbox Preparation Complete	QAG	Friday, January 31, 2025	Friday, January 31, 2025	SI Test	🟩	🟩	🟩	
T3-TE-0049	SIT PPs E2E Sandbox Testing Start	QAG	Monday, February 10, 2025	Monday, February 10, 2025	SI Test	🟩	🟩	🟩	
T3-TE-0121	SIT Operational Testing Start (Theme 3 - Batch 1 (Service Management))	SITAG	Monday, February 03, 2025	Monday, February 03, 2025	SI Test	🟩	🟩	🟩	
T3-TE-0123	SIT Regression Testing Approach and Plan Approval	SITAG	Thursday, January 16, 2025	Thursday, January 16, 2025	SI Test	🟥	🟩	🟩	

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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

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

Milestone	Milestone Title	Forum	Baseline Date	Forecast Date	Responsible	Previous RAG	Current RAG	Forecast RAG	Commentary
T3-TE-0124	Theme 1 (Helix and DIP Volume Testing) Start	SITAG	Monday, January 13, 2025	Monday, January 13, 2025	SIT Participant				
T3-TE-0126	Non-Functional Theme 1 (Avenade) Data Load	SITAG	Friday, January 10, 2025	Friday, January 10, 2025	SI Test				
T3-TE-0127	Non-Functional Theme 2 & 3 (Helix, Avenade & PPs) Data Load	SITAG	Friday, February 07, 2025	Friday, February 07, 2025	SI Test				
T3-TE-0128	Non-Functional Themes 2 & 3 (LDSO's and DCC) Data Load	SITAG	Friday, January 31, 2025	Friday, January 31, 2025	SI Test				
T3-TE-0129	Operational Themes 1, 2 & 3 (Batch 2) (LDSO's and DCC) Data Load	SITAG	Friday, January 31, 2025	Friday, January 31, 2025	SI Test				
T3-TE-0130	Operational Themes 1, 2 & 3 (Batch 2) (Helix, Avenade & PPs) Data Load	SITAG	Friday, February 07, 2025	Friday, February 07, 2025	SI Test				
T3-TE-0131	Non-Functional and Operational Test Data Preparation Complete	SITAG	Friday, February 07, 2025	Friday, February 07, 2025	SI Test				

Document Classification: Public

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

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 and On-Hold 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
	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
	Qualification Testing Status	Update on the progress for qualification testing
	Migration Status	Update on the progress of migration
	Level 2/3 Advisory Group Updates	Update on key discussion items and outcomes from recent Level 2/3 Advisory Groups and provide a forward look of agenda items
	PPC Activity	Provide information on PPC activity and participant engagement – includes a summary from the recent open day
	Industry Change	Summarise items raised to the Programme horizon scanning process
Assurance	**Independent Programme Assurance (IPA)**	Provide a progress update on in-flight and planned assurance activities

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Programme Status (By Workstream, aligned to CR055)

	On Track	Path to Green is viable with measurable management plan in place	Path to Green is not viable without escalation and intervention

Workstream	Last month	This month	Next Month	Commentary
Design Management	🟩	🟩	🟩	• Change Freeze in place until M10, with only changes critical to Go Live being allowable • Publication of IR8.4, 8.5 and 8.6 was completed. IR8.4 has been implemented by St Clements and Avanade allowing the unblocking of 81 test cases. We await confirmation from St Clements Services for the implementation of IR8.5 (CR056) and 8.6 (DIN-1154) • Subject to the approval of CR059 we expect to publish the updated design artefacts as part of IR8.7
Testing	🟧	🟧	🟧	• SIT(F) / SIT(M) test progress is not meeting the CR055 model yet. Settlement testing: defect levels remained high, but are starting to reduce • Based on proposed revised model, 3 of 4 MVC cohorts were on track at end of Sprint 6 (Sprint 7 may not be, but expected recovery from Sprint 8) • Draft Elexon Operating Manual (for SIT) provided to Participants and is being updated based on industry feedback – Participant readiness is a risk
Data	🟩	🟩	🟩	• Test data preparation for Cycle 3 SIT and related PP uploading is complete • Data retrospective scheduled in December and work now is focused on SIT Non-Functional and Regression test data readiness
Code Drafting	🟩	🟩	🟩	• M7 is complete. Ofgem have approved the implementation of the MHHS Code Changes and CCAG unanimously approved M7 is complete.
Non-SIT LDSO Qualification	🟧	🟩	🟩	• Good progress has been made on test data. Test harness connectivity testing in UIT has concluded. Smoke testing has completed for 7/9 LDSOs. • CR055 will allow for a more robust position on MPRS and CP testing ahead of this workstream test commencement • There are some concerns around individual LDSOs' readiness. This is being closely monitored.
Supplier & Agent Qualification	🟩	🟩	🟩	• Wave Allocation PPIR now closed, and Wave Reallocation Submission forms sent to all Participants who indicted they wished to move role. Code Bodies to review and confirm where reallocation is agreed • Updates to Qualification Documents in progress in light of CR055; targeting consultations in December • Beta Testing underway with volunteer Supplier to test onboarding processes and prove the QTF functionality
Transition	🟧	🟧	🟧	• Following the incorporation of Helix's high-level service management plan into the CR055 plan, the Programme is continuing to gather more detail from Helix to bolster the Programme plan and allow for the tracking of a credible path to SIT Operational testing readiness (See Risk R992) and M10 readiness • An update will be given at TORWG on 11th December with regards to the Early Life Support Model consultation which has been delayed to take account of the service management artefacts being produced by Helix. The consultation will now take place in the new year. This update will also cover Transition governance more broadly. • Further discussions about additional data cleansing activities that may be required will take place in the December DCWG and the January DCWG. These discussions will be informed by the updating reporting that will be available in December following the full MPAN refresh. Comms have been sent to Suppliers to provide further clarity on the expectations on them to work exceptions raised to them by LDSOs.
Migration	🟩	🟩	🟩	• Consultation 3 and 4 content and roadmap agreed with MWG • Supplier schedule submissions findings shared with MWG and expanded report to be shared with PSG after Ofgem review, which includes incentive proposals

MHHS PROGRAMME
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Change Request Status

Ref.	Key Detail	Change Raiser(s)	Change Type	Latest Action	Approval Status	Current Stage in Change Control	Action *If approved*	Implementation date/milestone	Change Owner(s) *If approved*
CR055	Amendments to M10 and corresponding milestones	Lewis Hall, MHHS Programme	Full Impact Assessment	Approved by PSG 18/10/24	**Open**	Awaiting Ofgem Approval			
CR056	Batching of ERDS to CSS Agent Appointment Files	Jonny Moore, RECCo	Full Impact Assessment	Approved by PSG 18/10/24	**Approved**	Awaiting Implementation			
CR057	Remove requirement to respond to DIP with a JSON body for synchronous requests where all validation is asynchronous (Level 4)	Nigel Rees, Helix	Full Impact Assessment	Recommended for rejection by Change Board	**Open**	Awaiting PSG decision			
CR058	Adding the DIP Manager as an Industry Representative to Advisory Groups	Philip McCann, MHHS Porgramme	Full Impact Assessment	Validated by Change Board for Impact Assessment	**Open**	Awaiting Impact Assessment			
CR059	ELEX-REP-20 implementation	Riccardo Lampini, Helix	Full Impact Assessment	Validated by Change Board for Impact Assessment	**Open**	Awaiting Impact Assessment			

On Hold Change Requests

Ref.	OHCR Title	Change Raiser	Comments	Status
OHCR006	Advanced Register Read and Meter Configuration Inclusion	LSC	CR not eligible for pre-M10 Change Control process as implementation not required until after M10, as stated by Change Raiser.	**On hold**
OHCR005	Validation of Service Provider CoS Appointments	British Gas	CR raised to Programme in July 2024. PPIR issued to all Participants, responses confirmed pre-M10 implementation is not feasible. CR not eligible for pre-M10 Change Control process as post-M10 implementation does not meet the Change Freeze criteria.	**On hold**
OHCR004	Supply Start Date (SSD) Correction Tool	MHHSP & SCS	**CR045** - PPIR issued to gather views on whether solution is implementable pre-M10. Rejected at PSG on 03-Jul-24 based on PPIR responses. Recommended for post-M10 implementation.	**On hold**
OHCR003	Implementation of 'Data Refresh' Message IF-051	MHHSP	**CR044** - PPIR issued to gather views on whether solution is implementable pre-M10. Rejected at PSG on 05-Jun-24 based on PPIR responses. Recommended for post-M10 implementation.	**On hold**
OHCR002	DIP Interface Name Changes	RECCo	**CR025** - Raised to Programme in June 2023 and issued to Impact Assessment. Deferred to a post-M10 implementation at DAG 13-Mar-24. Please note that RECCo has implemented these changes into the M6 Code baseline.	**On hold**
OHCR001	Data Item Names and Descriptions	RECCo	**CR024** - Raised to Programme in June 2023 and issued to Impact Assessment. Deferred to a post-M10 implementation at DAG 13-Mar-24. Please note that RECCo has implemented these changes into the M6 Code baseline.	**On hold**

This slide captures Change Requests raised in the last three months, as well as change requests On Hold for post M10. A full record of all MHHS Change Requests can be found on the Change Control page of the Collaboration Base. On Hold Change Requests can be found on the On Hold Change Requests page on the Collaboration Base.

MHHS PROGRAMME
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	RAID Summary & Mitigations

- **SIT Execution:** SIT execution delays have been mitigated by CR055 rebase lining. However, risks remain active for SIT Operational due to the status of Helix activity and assurances.
- **M10 Readiness:** Programme continuing to engage with the Code Bodies to ensure the ELS Model is signed off and can therefore be implemented. Continued assurance of the Service Design which is carried out by Elexon and asking Elexon to bring regular updates to Industry via TORWG.

RAID ID	RAID Description	Current Score	Mitigation Plan	Theme
i202	There is an issue that Settlement Testing is running late and could require additional time beyond the scheduled timelines.	High	1. Review options for planning the remainder of SIT settlement to ensure the remainder of testing in SITB does not become critical path activities	Settlement Testing
R1028	There is a risk that the SI testing in SITB becomes part of the critical path potentially delaying M10	High		
R994	There is a risk that SIT activities on the critical path are delayed	High	1. CR055 (including it's 6 week SIT extension) has been recommended for approval from PSG to Ofgem. It is agreed that PPs and Programme will work off the CR055 timelines as the new baseline as we await Ofgem decision (estimated before end of year but not confirmed) Therefore this risk has been mitigated by the updated, realistic timeline 2. Test team to conduct assessment on how delayed settlement testing completion could impact NFT and Operational Testing timelines.	SIT Execution
R992	There is a risk that SIT Operational will be delayed if PPs have insufficient time to digest/apply industry interactions to be defined in the Helix Service Operating Manual before the start of SIT Operational	High	1. Ongoing engagement with Helix through account management meetings where MHHSP receive regular updates on progress of Service Operating Manual	Service Operating Manual Development
i188	Current RTTMs require development to assure that SIT (and eventually Qualification) scope covers programme requirements across all roles.	High	1. Feedback received from Code Bodies (RecCo) on SIT M RTTM. Test team working to address feedback and incorporate comments into RTTM development. SIT M RTTM sign off is dependent on prompt response from the Code Bodies.	RTTM Development
R958	Programme may not have ability to deliver Programme-owned Milestones after M10, following the decision on post-M10 Change Governance Authority. It is recognised that if the Programme does not have responsibility for the Change Process and Governance, there is a risk Programme milestones will fall into a Change Process the Programme can not control the speed of, thus impacting timeline.	High	1. Ongoing engagement with Code Bodies and Ofgem 2. Further discussions to be progressed between SRO, Ofgem & Code Bodies regarding Programme authority to influence implementation date for industry changes that may impact MHHS delivery.	Post M10 Change
R839	There is a risk that Core Capability Providers will not be ready to Go-Live by M10	High	1. Programme will ramp up readiness activities to ensure the Programme has the confidence that all Central Parties are ready for Go-Live	M10 Readiness
R966	There is a risk that Code Drafting over and above the M6 baseline will be required for Service Management to ensure industry parties are appropriately obligated to take action	High	1. LDP met with Elexon Code Manager, Legal and Service Management team 30-Oct and they are to come back with a position on whether/how Service Management may need to be added to BSC. 2. Additional meeting on 13-Nov, MHHSP has drafted a structure to consider options and will progress further with Elexon.	Code Drafting for Service Management

SIT Stage Statuses (22-11-24)

Test Stage	RAG	Comment
CIT		SITAG approved the CIT completion report 11-Mar-24
Functional		SITF Sprint 7 is in progress. Progress and velocity has been lower than the modelled forecast and the Programme has identified a number of reasons for the slowdown. Once IR8.4 is deployed and defect fixes ready for retest, it is anticipated that test velocity will reach forecast levels. Settlement test progress has also been slower than anticipated. Evidence Capture implementation is complete for Cycle 3. Work will begin on Cycles 1 and 2 in preparation for Regression Testing.
Migration		Migration testing underway in Sprint 7, however like SIT Functional, completion of tests has been far lower than modelled, Migration RTTM nearing completion with gap mitigation, feedback received 21/11. Programme to address feedback and anticipates closing this activity next week.
Non-Functional		Milestones updated consistent with CR055. PIT activities still represent a risk to the start of NFT, however. Test Approach and Data (plus associated Test Data): Test Data Approach and Plan Approved May SITAG, Test Approach and Plan approved at ESITAG 26th July. Test Scenarios & Test Cases: Theme 1 – Approved at ESITAG 25-Jul Theme 2 – Approved July SITAG 17-Jul Theme 3 – Approved September SITAG 18-Sep
Operational		Milestones updated consistent with CR055. PIT activities still represent a risk to the start of Ops testing, however. Test Approach and Data (plus associated Test Data): Approved at 15-May SITAG Test Scenarios & Test Cases: Delivery plans approved at April SITAG Theme 1 – Approved August SITAG 21-Aug Theme 2 – Approved July SITAG 17-Jul Theme 3 – Batch 1 completed first industry review, Batch 2 currently in industry review, Dependency on Helix documentation delaying detailed Theme 3 tests..

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

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

Helix Solution
- Released all remaining Helix Settlement reports.
- Supported Settle Normally Test Case completion.
- Helix SIT Settlemnet Accuracy Tests trial runs commenced.

Assurance and Qualification
- Qualification Dates impacted by CR55 approved at QAG.
- Wave Allocation requests received by participants and under review.

Service Management
- MCAG endorsed the LLSD and SDD.
- Issued Operations Manual draft ahead of schedule.
- ServiceNow Delivery plan remains on track.

Business Readiness
- Service Activation dates realigned to CR055 plan.
- MHHS Transition scope and RACI outline approach agreed.

Progress expected in the coming month:

Helix Solution
- Continued support of SIT Settlement, Functional, and Migration testing.
- Progress Helix Settlement Accuracy Test preparation.

Assurance and Qualification
- Confirmation of Wave Reallocation to participants.
- Qualification documents updated in light of CR055.

Service Management
- Ongoing engagement with participants regarding the productions of the Operations Manual.
- Preparation for SIT Testing readiness activities.

Business Readiness
- Participant Engagement Strategy and Approach to be drafted ahead of review.
- Post M10 support model to be endorsed by Helix Sponsors.

Party Milestones & Deliverables	Plan Date	RAG
Release of remaining SIT Settlement Reports	28/10/24	Complete
Operations Manual Draft ready for review	27/11/24	
Helix industry test support completed re: MHHSP SIT Settlement	20/12/24	
Initial QAD Submission Window Opens (SIT and Non-SIT LDSO)	06/01/25	
Operations Manual Final version ready for review	08/01/25	
ServiceNow SIT Ops Available	14/01/25	
January MCAG Operations Manual Endorsement	21/01/25	
SIT Ops Theme 3 Batch 2 commences	10/02/25	
Initial QAD Submissions for SIT and Non-SIT LDSOs	14/02/25	
Business Readiness Participant Engagement Plan Created	28/02/25	
SIT Ops Theme 3 Batch 2 ends	14/03/25	

RAID and RAG	Type	Mitigating or resolving action required	Next Update
The ongoing review of MHHSP milestones is expected to drive the need for replanning within the Helix Programme with consequent implications for programme budget and timelines.	Issue	MHHS have outlined proposed timeframes for changes to test phases and key milestones as part of CR055. Helix team have reviewed and have provided feedback supporting revised M10 go Live date of 24th September 2025, awaiting OFGEM decision to provide certainty.	29/11/24
If further changes impact on the scope of Helix, they may impact on SIT progress and will drive further cost into the programme.	Risk	Helix has a materially complete code base with due consideration given to avoidance of refactoring of this code base within future change requests. Update: Helix have now uplifted to MHHS version 8.4 to support SIT functional Cycle 3. Continuing to monitor impact of further proposed changes.	Ongoing

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- IR8.4 scope of changes developed and released into PIT
- Prioritized support for participants on a cohort basis to reverify domains and renew certificates in SIT
- Continued to monitor the changes approved by Programme and implement in WAF on firewall exclusions
- Monitoring of UIT environment and support for non-SIT LDSO onboarding and Test harness

- SIT Support & Change Backlog
  - Defect triage, remediation and query support for SIT Functional Test Cycle 3, Migration Testing and Settlement testing.
  - Correlation and Addressing Change for IF007/035/036
  - High Availability (HA): Update BFF Replay Requeue Service to Operate across 2 storage accounts in UKW
  - Implemented X-API Key Validation against Sender
  - Service Transition AO/IO: Progressed DIP Operational Manual work and processes
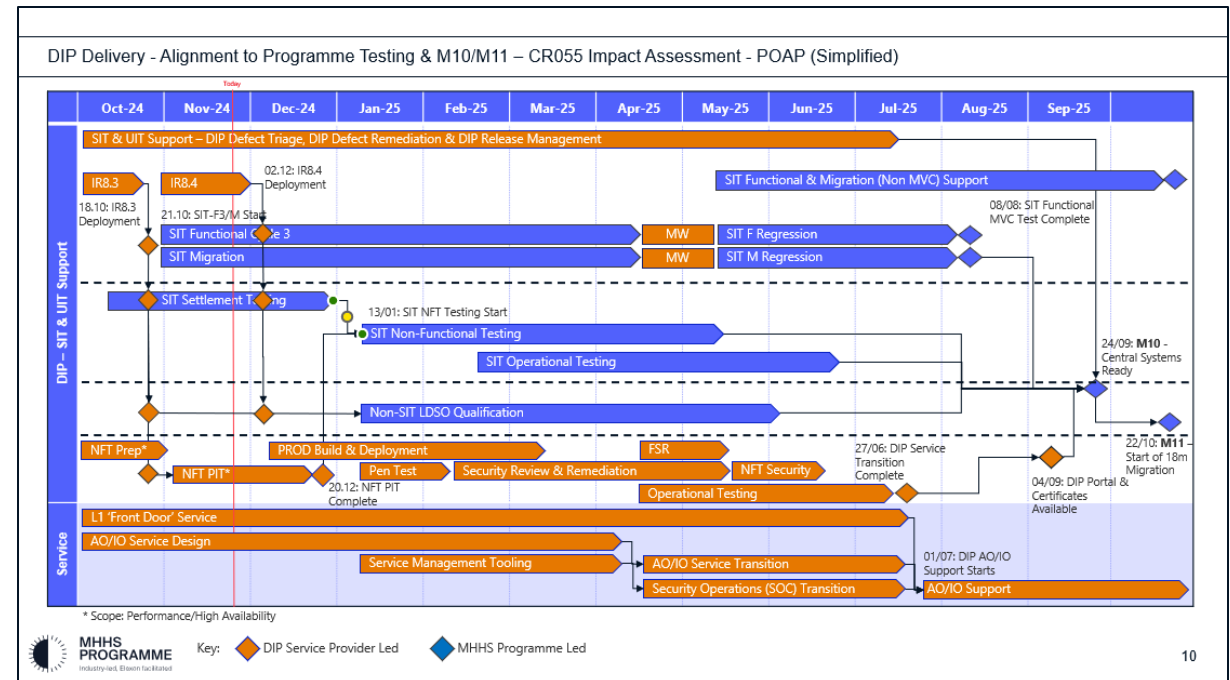
Progress expected in the coming month:

- Complete IR8.4 PIT execution and deploy into SIT environment
- Complete support for participants on a cohort basis to reverify domain and renew certificates in SIT and update guidance documentation
- Continue to work on bug triage and fixing for SIT support, as needed
- Continue monitoring of UIT environment and support for non-SIT LDSO onboarding

- SIT Support & Change Backlog
  - Releases into SIT (weekly/per need) to address open defects from SIT
  - DCP Requeue Change Request progress
  - Implement HA Failover Catchup Service
  - Agreement on approach to Portal Testing with SRO
  - Update DIP-D37 PIT Test Completion Report and DIP-D39 PIT Defect Work Off plan for IR8.4
  - Service Transition AO/IO: Review Service Operations Manual published by Helix

Party Milestones & Deliverables	Original Date	Forecast date & RAG
DIP 4f (IR8.3) – Final build	04/10/24	07/10/24
DIP 4g (IR8.4) – Final build	09/12/24	02/12/24
Non- Functional SIT Theme 1*	*13/01/25*	*13/01/25*
DIP 5 – Migration / Transition**	20/09/24	27/06/25
DIP 6 – Hypercare**	20/09/24	24/09/25

* Programme date
** Provisional dates for CR055 (pending CCN011)

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
Functional SIT Progress – Extent of Testing (slower than expected), Identification of Defects (later test cycles), Expectations on Triage and Remediation (more frequent or 'urgent' releases)	MHHS PPC issued comms (06.08) confirming SIT Cycle 2 extension 5 weeks. Programme briefed participants on proposed CR055 and addition of 6 weeks to the schedule. Impact Assessment has been revisited and CCN is been prepared for approvals	(12.07.2024) 06.12.2024	Smitha Pichrikat (Paul Daniels)
Web Application Firewall Changes and Exclusions	Scope of changes approved and implemented per Programme direction. Further Changes applied to WAF. Monitoring for any defects raised in SIT.	20.12.2024	Smitha Pichrikat (Paul Daniels)
Certificate Renewals – Risk to SIT Progress	DIP SP engaged with GlobalSign to validate renewal actions. Provide support on cohort basis for MPOs to complete renewals Update guidance documentation	13.12.2024	Smitha Pichrikat (Paul Daniels)

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner

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

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DIP Delivery - Alignment to Programme Testing & M10/M11 – CR055 Impact Assessment - POAP (Simplified)

* Scope: Performance/High Availability

Key: ◆ DIP Service Provider Led ◆ MHHS Programme Led

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RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress this Month:
- Continued UAT testing of sprints 5, 6, 7, 8, 9 and 10 MPRS code
- Continued support for the Settlements SIT environment
- Completed the testing of all Data Cleansing PIRs
- Continued test execution for SIT Functional Cycle 3 (Sprints 5&6 Completed)
- Continued test execution for Migration SIT Cycle 3 (Sprints 5&6 Completed)
- Completed planning and scheduling of the remaining UAT Tests
- Continued investigation and retests of SIT Functional and Migration defects
- Dealing with PP SIT enquiries
- Agreed implementation date for IR8.4

Progress expected in the coming month:
- Continue UAT testing of the schedule for sprints 5, 6, 7, 8, 9 and 10 MPRS code
- Support test execution for SIT Functional Cycle 3 – Sprint 7 onwards
- Support test execution for Migration SIT Cycle 3 – Sprint 7 onwards
- Continued Support for Settlements SIT
- Continued investigation and retests of SIT Functional and Migration
- Dealing with PP SIT enquiries
- Agreed implementation date for IR8.5 (CR056)
- Deploy IR8.4 code to SIT Environments

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
IR8 Code deployed to SIT Environments	17-10-24	17-10-24
IR8.4 Code deployed to SIT Environments	29-11-24	27-11-24

Risk or Issue & RAG	Mitigating or resolving action required	Target Date	Action owner
STCI11 – ISSUE - Overrun of Programme activities (i.e CIT interval 2 testing and data aug loads) impacting subsequent test phases	Working to CR055, more time is now available for further test phases. Combined with DNOs funding a significant increase in the size of the MPRS team this should provide time to 'catch-up' activities that have been deferred to deal with programme overruns.	Q3 2024	Programme
STCI16 – ISSUE - There is an issue with the current SIT Functional test cases. Unclear versions and key information missing	The Programme has acknowledged this is required and have agreed to implement – however, timescales are unknown. St Clements requested the Programme address this in the maintenance window W/C 23/09, prior to the start of Cycle 3, but we are still awaiting a response. Raised as an issue on the Programme RAID log – Ref R990. We are not being made aware of changes to test cases. It is unclear which is the latest version of individual test cases in ADO and key information is missing from the test cases (descriptions and test steps unclear). A traceability matrix is necessary to show the latest Test Case version and the Test Execution the latest Test Case has been run in. Consequently, unnecessary questions are asked of St Clements from cohorts on how to achieve various outcomes. This is causing the St Clements test team significant time, reducing the time available for core MHHS activities.	Q4 2024	Programme
STCR46– RISK - There is a Risk that the Elexon/Ofgem Reporting requirements are not clarified in time to be developed and tested.	LDSOs have a licence obligation to provide industry reports to Ofgem/Elexon. An updated design for these reports to reflect the new MHHS arrangements has not been defined. Unless addressed, from the start of transition these reports will become increasingly inaccurate. St Clements has provided an analysis of the impact of MHHS on these reports.	Q4 2024	Programme
STCR64 – RISK - Capacity to support volume of carried over tests from SIT cycle 1 in cycles 2 and 3 may surpass capacity available	A large percentage of test cases are carried over to subsequent test sprints. It is not clear whether the CR055 planning accounts for this to provide sufficient time for the execution of these carried over tests to be completed. This may result in later sprints having a significantly larger points target than planned, creating a risk that the volume of tests is unable to be supported.	31/07/2024	Programme
STCR68 – RISK - Inability to complete sufficient UAT testing prior to go live	CR055 extending SIT has provided additional time to complete the parallel UAT activity, reducing the risk of not completing sufficient UAT before M10.	Ongoing	St Clements
STCR45 – RISK – There is a risk that the SIT testing requirements from the programme on St Clements are greater than anticipated.	Awaiting clarification from the programme for expectations of "SIT Functional/Migration (non MVC Support) and Early Sandbox Testing". Current mitigation is to retain whole MPRS test team through to the completion of SIT non-MVC support	31/07/2024	Programme
STCR71 – Risk of delays within SIT caused by requests from non LDSO programme participants to the St Clements MPRS team to provide supplementary support and expertise diverting resource away from the St Clements/MPRS SIT core activities	Within SIT there are informal but a growing volume of requests from non LDSO programme participants on the St Clements MPRS team to provide support and expertise in areas which are not directly associated with their principal role within SIT. This arises as some other non LDSO PPs regard St Clements as the place to turn to in relation to what are really industry MHHS design queries and other issues. This results in St Clements MPRS team resource being diverted away from these core SIT activities and potentially impeding test case progress. To mitigate this, and to reduce the risk of delays in SIT, it is recommended that any non LDSO design queries are directed to the Programme, non LDSO PPs ensure triage is complete before assigning observations to St Clements/MPRS and a full catalogue of information is provided by non LDSO PPs when defects are assigned to St Clements/MPRS. It is important that St Clements MPRS team is not tasked with carrying out primary analysis on issues where it is not obvious that there is a fault with MPRS. Whilst St Clements will continue to be helpful, they do need to balance this with and prioritise making suitable progress on SIT on behalf of LDSOs, especially where other non LDSO PPs are best placed to initially carry out their own detailed analysis and/or communicating directly with the central Programme	20/12/2024	Programme

Assumptions			We have
There is sufficient time to complete UAT testing to the required standard	CR055 has provided an additional 6+ months to complete this activity	Ongoing	SCS
MPRS high level plan broadly remains the same following detailed impact assessments	Detailed IAs for later sprints (including migration) to be completed	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

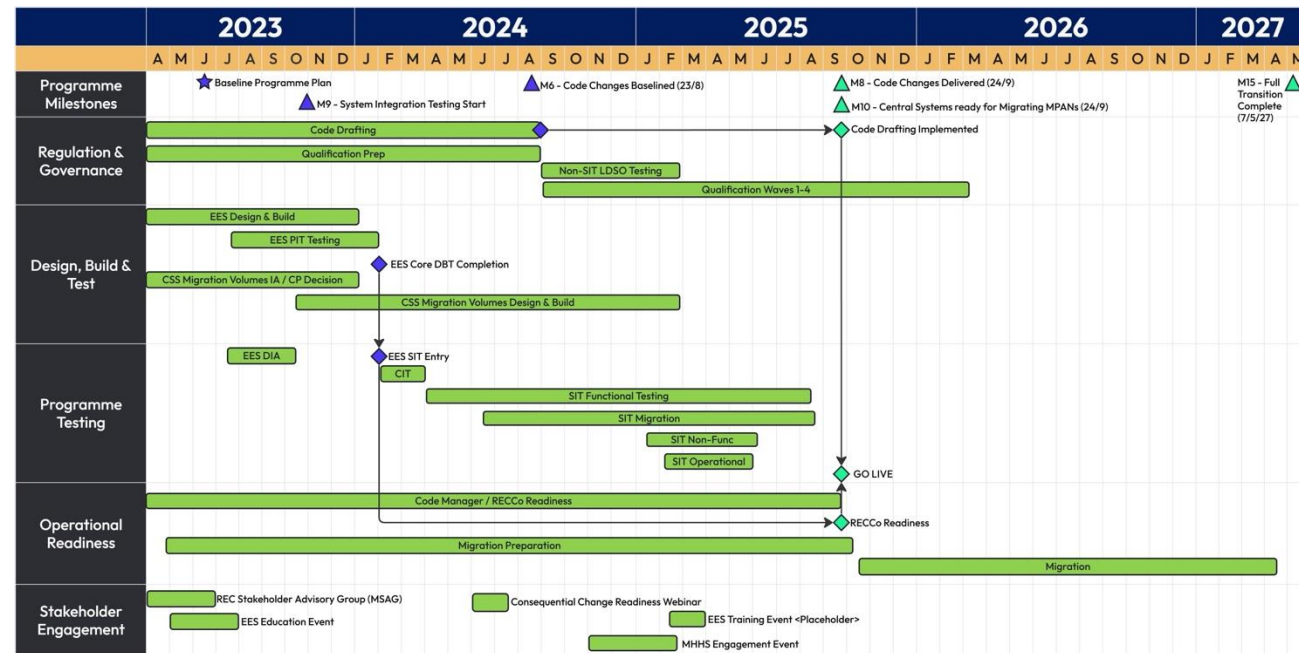| RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:
- EES continuing to test in SIT Functional, Migration and Settlement, with no open defects.
- EES PIT NFT Completed.
- R0209 Implementation of MHHS Arrangements - Final Change Report recommended by REC Change Panel on 5 November 2024 and sent to Ofgem for approval.
- QAD webinar held 14 Nov to support understanding of evidence requirements.
- Qualification Wave reallocation requests triaged and request supporting information sent to PPs that asked to move. Aim to finalise by end Dec

Progress expected in the coming month:
- EES to continue SIT Functional, Migration and Settlement Testing.
- EES PIT Operational to be completed.
- Populate Programme Log of with REC changes required for M8 to reflect recent MHHS Design changes, for publication early 2025. Work with Programmre to agree post M10 change process and handover of Programme deferred change to Code Bodies.
- Ofgem approval of R0209 (M7).
- Consult on QA&P, updated to reflect CR55 changes to programme dates and DIP Manager requirements.
- Agreed and publish QAD v4 post consultation.

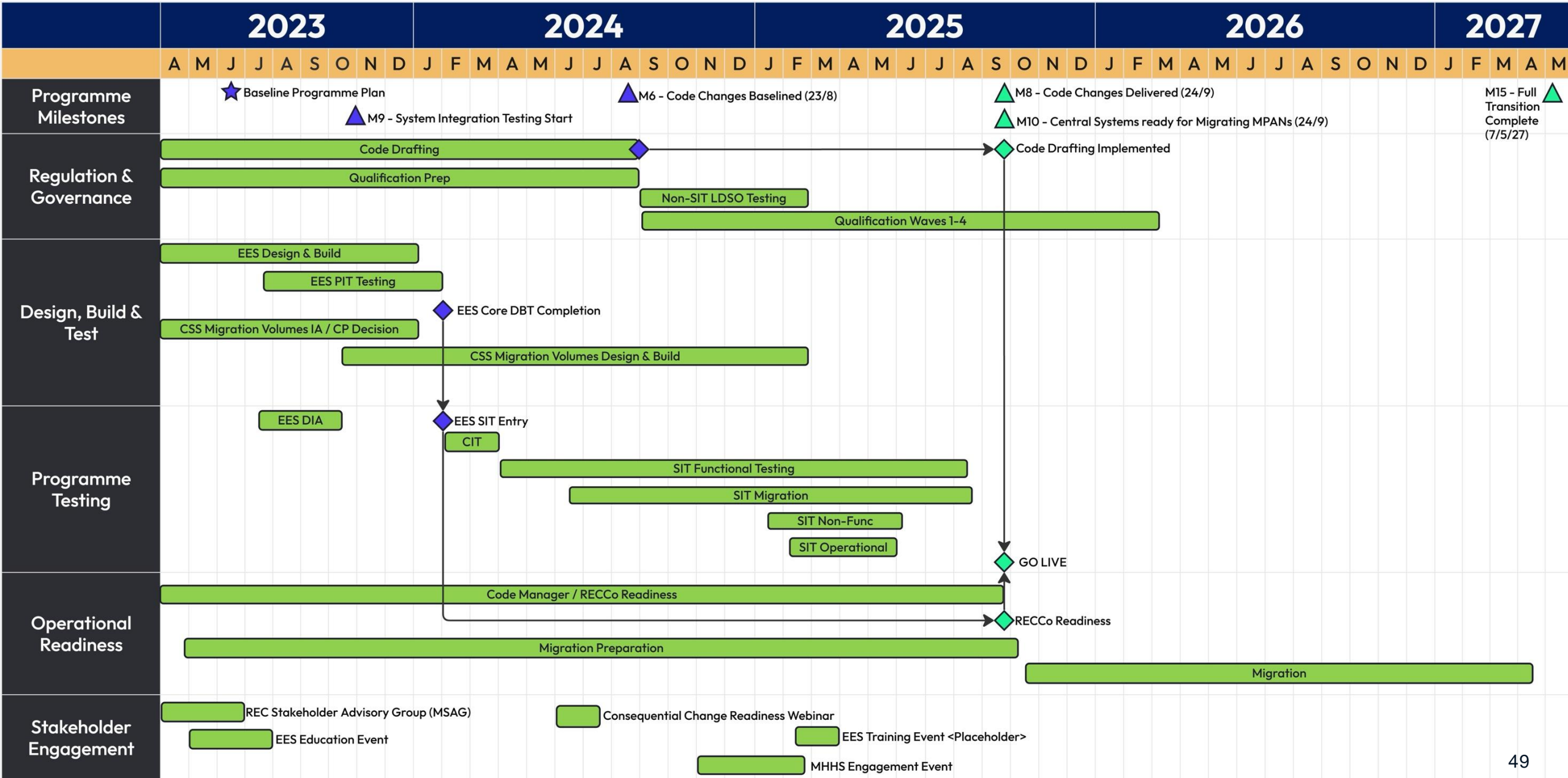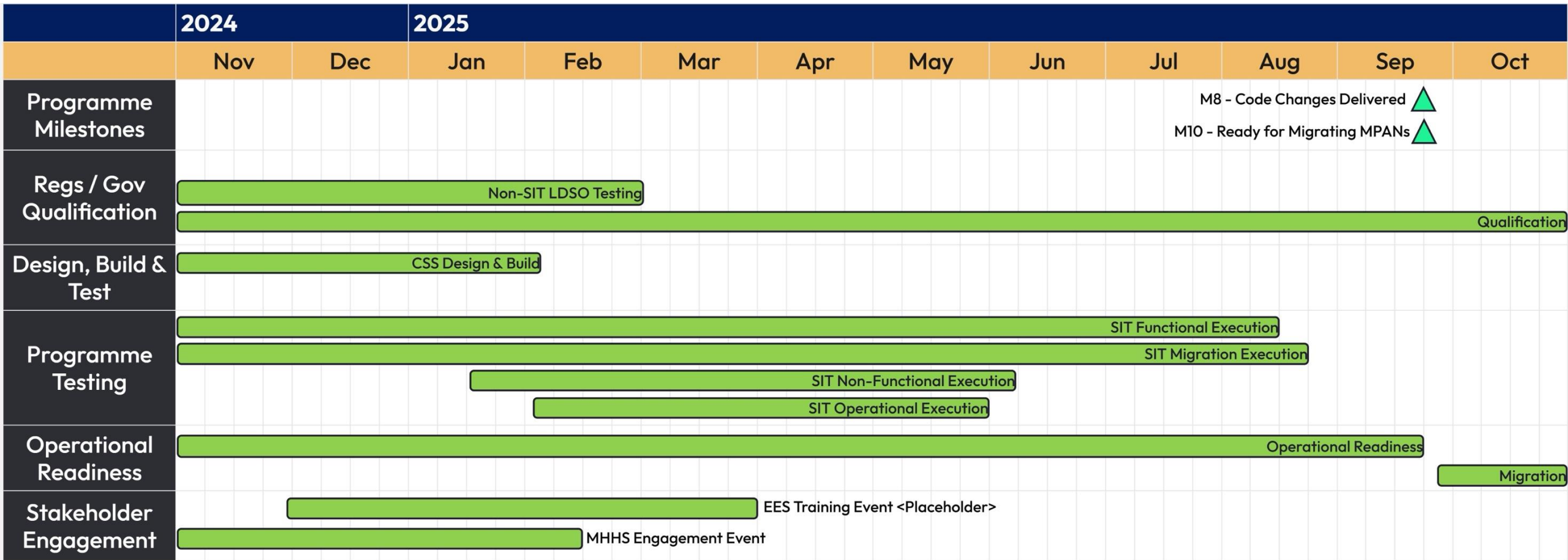| Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
Qualification Approach & Plan v4 approved and published	30/01/2025	30/01/2025
M7 Approval of REC Code Drafting	11/122024	11/12/2024
Code Drafting Complete	23/08/2024	23/08/2024
Qualification Assessment Document v4 approved and published	20/12/2024	20/12/2024

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. Helix to develop Service Manual through industry workshops including REC Service Desk representatives.	Early December (Final Draft Service Manual available)	Jonny Moore
R0920 - Swagger may not be aligned to approved design artefact (DES138) which is used for Code drafting. Lack of alignment means M6 criteria not met and could also lead to qualification delays and live operational issues.	Programme proposed taking no action to address risk/issue. RECCo reviewed, identified issues and raised DINs that Programme deferred to after M10. Agreement required to handover responsibility to Code Bodies to manage.	06/11/2024	Andrew Wallace

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
Programme SIT Artefacts for provision of equivalent Qualification documents and confirming if Code Bodies need to undertake any additional qualification activity for SIT parties.	Awaiting finalisation of SIT RTTMs and Test Cases to develop and provide associated Qualification artefacts for Non-SIT Parties.	ASAP (impacting Non-SIT Parties)	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. Service design has now delayed the production of the Operational Test Cases.	Early December (Final Draft Service Manual available)	Jonny Moore

MHHS PROGRAMME Industry-led, Elexon facilitated

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

REC
- Capacity uplift/Performance plan finalized, pre-testing prep nearing completion
- Migration plan received and observations sent back to Elexon (to aid testing)

Capacity
- MHHS Capacity uplift plans confirmed for deployment

New Requirements
- DCC SIT Functional Testing Support aligned to replanned Cycle 3 Sprints
- Planning re-aligned to PSG approved CR055 baseline dates & commercial agreements underway
- Progression of Test Data Requirements definition covering all remaining phases of testing, including Regression Testing, and agreement on delivery dates with all parties.

Progress expected in the coming month:

- REC CSS performance testing to begin
- Continued SIT Functional Testing Support
- Completion of Final Test Data Requirements Definition

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	Apr 25	Apr 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)

N/A

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
No New Dependencies			
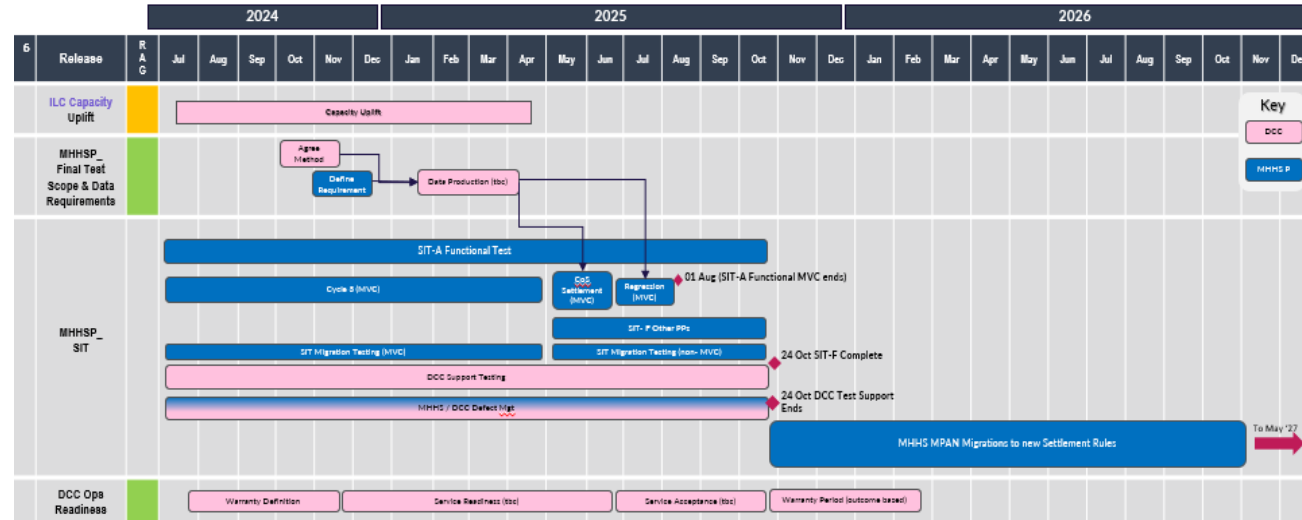
RAID & RAG

Ref.	Risk	Calculated Risk	Mitigation / Update	Owner	Area	Service risk RAG
1	As a result of there being no system-based control to prevent daily migration volumes exceeding the 300k peak-of-peaks, there is a Risk to CSS performance	High	DCC have investigated legal & regulatory controls available to mitigate, and are engaged in the Governance Framework definition with Elexon Migration Delivery Team. Identification of industry exception escalation processes running behind plan, but expected before end Q4.	DCC/MHHS Programme	Migrations / Capacity	Amber
2	As a result of the sizing of CSS capacity increases being based on peak-of-peak migration thresholds defined in the Migration Thresholds document plus "business as usual" (BAU) volumes, there is a Risk that BAU volumes today may not reflect BAU volumes between April 2025 and October 2026, if switching increases. This could result in CSS being under scaled.	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. Costs for CSS Uplift identified & CR submitted to RECCo for review. DSP confirmed volumes can be met with current build.	DCC	Migrations / Capacity	Green
3	As a result of the potential significant cost involved in scaling CSS and/or DSP to achieve a peak-of-peak CoA volume of 591K, there is a risk that this may not be cost effective and/or technically feasible.	Medium	Performance testing planned with Landmark & Netcompany to confirm compliance with these volumes. CGI testing at SoW stage. DCC commitment to associated SLAs contingent on successful completion of this testing.	DCC	Migrations / Capacity	Green
4	As a result of a lack of clarity around industry the capacity impacts of MHHS, DCC have had to build additional capacity based on a set of assumptions, There is a Risk that any industry changes which materially impact the Capacity Assumptions may not be able to be reflected in the capacity at Go Live, due to the time required to deliver capacity increases.	Medium	A formal letter has been sent to Ofgem on June 18th detailing the assumptions on which DCC has built the capacity which will be available at MHHS implementation. Follow-up PPIR will be undertaken in early Q2 2025.	DCC/MHHS Programme	Capacity	Green

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RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status Update	**ElectraLink updates for November PSG:** • Supporting MHHS participants through our helpdesk as required to use the DTS to support their SIT A and SIT B testing. • Continued collaboration with MHHS Programme and teams engaged via participating in working groups such as SITWG, FITG, S&T, DAG, DWG and fortnightly sessions with the programme and Webinars.	**Milestones and Deliverables:** • None

Decisions required	From whom?	By when?

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

Dependencies	Managing action required	Date for action to be resolved	Action Owner
Updated DTC Catalogue 4-6 weeks in advance of release date to ensure we can update it prior to MHHS requirement	Communication with MHHS & REC ongoing, CCN process to ensure release is managed effectively and on time	-	**MHHS/ElectraLink/REC**

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

DNOs Status & Outlook

Progress since last month

SIT Participant
- Completed full refresh of MPRS to EES
- Progressed PIT for SIT non-functional testing
- Impact assess SM SSD
- Progress SIT functional and migration testing for Cycle 3 – Sprint 5
- Progress SIT Settlement testing
- Started QAD completion
- Provided test completion reports for PIT for SIT Operational
- Closed out PIT for SIT nonfunctional approach and plan
- Provided Service Management contacts to Helix

Non-SIT

Progress since last month
- PIT (functional and migration) complete.
- Non-SIT LDSO PIT functional & Migration Test closure Report and RTTM.
- UIT env. connectivity & smoke testing.
- QT scope revised and resubmitted; QT Execution schedule reviewed and agreed.
- Revised QT Test data shared with programme team.
- Data cleanse – full MPAN refresh complete.
- ISD data validations & loading in QT environment progressed.
- Review of Service Operating Manual.
- DUoS - MPRS extract interface testing progressed.

Expected key activities next month

SIT Participant
- Completing PIT for SIT nonfunctional testing and submitting the PIT test completion report
- Progressing SIT Settlement testing based on Durabill 6.5.34 release
- Continue with QAD completion
- Progress internal Service Management processes
- Download PIR 872 scripts for DPI
- Submit PIT for SIT Operational test completion report.
- Install MPRS release for IR8.4

Non-SIT
- QT Readiness Regression (IR8.4)
- Submit QT readiness confirmation report.
- LOCUS X.4.1 – QT release upgrade.
- MPRS R9 Sprint 10 release 3 (fix 2) upgrade.
- PIT Non-Functional and Operational Testing.
- DUoS Billing – MPRS extract UAT.
- Progress on QAD updates.

DNO Key Deliverables & Activities	Latest Status	Due Date & RAG	Relevant Programme Milestone(s)
DNO System Integration Testing (SIT) Participants			
Complete PIT for SIT Non- Functional	SSEN has a blocker with a defect in Adapter.	20/12/24	M10
Complete SIT FSIT Cycle 3 & SIT Migration Sprint 6	Sprint 6 underway. Overall progress on SIT testing has improved. SSEN has no blockers	20/12/24	M10
Complete SIT Settlements Testing	Problems resolved	20/12/24	M10
Non-SIT LDSO Qualification Testing			
PIT Completion – Functional & Migration	On track	29/11/24	T3-QU-0076
QT Readiness confirmation	In progress	20/12/24	T2-QU-0550
PIT Completion – Non-Functional & Operational	In progress	30/01/25	
Non-SIT LDSO QT Participants have submitted their initial QAD	In progress	13/02/25	T3-QU-0087
Non-SIT LDSO QT Test Execution Starts.	On track	06/01/25	T3-QU-0115

Escalations

Escalations / Priority Actions	To Whom	Required Resolution Date	Owner
Program Replan CR055 – Awaiting Ofgem approval of CR055 Accuracy DUOS Billing – Modelling expected from Elexon & meeting in diary to discuss the outputs with LDSO's – (Chris Price) Query about IF-020 rejections (Potential to raise CR for IF-020 rejection codes from LDSO, if unable to utilise workaround suggested in DIN thread)	Ofgem MHHS Programme	ASAP	MHHS Programme

Risks, Issues & Dependencies

Key Risks & Issues	Mitigation, Impacts & Latest Actions	Owner	Relevant Programme Milestone(s)	Key Dependencies & Assumptions	Dependency On	Summary & Key Actions	Stakeholders	Relevant Programme Milestone(s)
Additional costs to be calculated because of the recalibration of plan	Forecast costs after securing costs from vendors. These will be submitted to the board for approval.	**SSEN**	M10	Board approval of costs .	SSEN board and Ofgem	Approval of CR055 by Ofgem Approval of additional costs by SSEN Board	SSEN Board	M10
Risk of further delays to SIT Settlements testing	**Delay would impact start of SIT operational and SIT non-functional testing**	**MHHS Programme**	M10	Ofgem Approval of CR055	Ofgem	Require Ofgem to confirm approval of CR055 with revised timelines. [DNOs are now working to CR055 Timelines]	Ofgem	All

RAGs	Overall	Approach	Plan	Resources	Budget	Risk

DNOs Status & Outlook

Progress since last month

SIT Participant
- Continued SIT activity to revised plan.
- Continued QAD preparation.
- Progressed LDSO discussions with Helix re: settlement/DUoS billing data accuracy assurance and Service Management requirements.
- Convened productive session with IPA for their assurance review of BUUK M10 readiness.
- Commenced draft changes to Project Plan to align with CR055.
- Fed back on SIT Operations Theme 3, Batch 1 and 2 test scenarios and test cases.
- Reviewed QAD v3.1.

Non-SIT Participants
- Received and reviewed QT test plan
- Began PIT non-functional and operational testing
- Full EES refresh
- Monitoring SIT and how it's progressing against prospective CR055 timescales.
- Internal preparation for QAD completion
- Liaise with suppliers re Data Cleanse Activities
- Attended QAD Webinar for better understanding of evidence requirements.
- MPRS full refresh with EES for Indigo Eclipse and IDCSL were completed
- Creation of CSS messages for the outgoing supplier is still in progress
- Non-functional & Operational QT tests for Eclipse were submitted to the programme
- DIP Portal set up
- Test data prepared
- UIT environment prepared

Expected key activities next month

SIT Participant
- Continued QAD preparation
- Continued SIT activity
- Progress LDSO settlement/DUoS billing and service management discussions with Helix
- Review Helix Service Operating Manual

Non-SIT Participants
- Full QT RTTM and test scope
- PIT non-functional and operational completion report
- Continue to liaise with Suppliers on data cleanse exception queries
- Continue to prepare completion of QAD
- Continue to attend WGs as appropriate
- Monitor progress of CR055 through PSG and await response from Ofgem.
- Creation of CSS messages for the outgoing supplier to be completed. MPAN data gathered for uploading to ADO.
- Confirming the QT test schedule with the MHHS programme
- Completion of the DIP smoke test with the MHHS programme
- Completion of testing and submission of reports for review
- PIT Functional test reports
- Load test data
- QT readiness template
- QAD review
- MPRS refresh

DNO Key Deliverables & Activities	Latest Status	Due Date & RAG	Relevant Programme Milestone(s)
IDNO System Integration Testing (SIT) Participants			
SIT Migration	Overall, for SIT Functional and Migration testing, the test case passing velocity has been lower than expected for sprints 5 & 6.	28.03.25	M10
Settlement Testing	Settlement Testing continues to be monitored on a daily basis. However, over 60 defects have been raised, for investigations, since 7th October. Any contingency within the plan for Settlement testing has been used, therefore the 20th December deadline remains tracking as Amber.	20.12.24	M10
Preparation for SIT Non-Functional	It is unclear what scope is required for PIT NFT ahead of SIT NFT. However, discussions are underway to clarify requirements.	13.01.25	M10
Preparation for SIT Operational	On track, although it isn't clear what service management requirements will be tested.	10.02.25	M10
Non-SIT LDSO Qualification Testing			
Smoke testing in UAT	On track	18.11.24	M10
Preparation for Non-SIT LDSO testing	By utilising the Placing Reliance policy and liaising with our service provider we are confident in our preparation		Non-SIT LDSOs testing start (Functional/Migration/NFT/ Operational)
QT Readiness	Working with third party tech provider on PIT stage completion for QT readiness	01.11.24	M10
Smoke testing in UIT	On track	21/11/2024	
PIT Functional	On track	29/11/2024	
Data Assurance	On track	30/11/2024	

Escalations

None

Risks, Issues & Dependencies

Key Risks & Issues	Mitigation, Impacts & Latest Actions	Owner	Relevant Programme Milestone(s)	Key Dependencies & Assumptions	Dependency On	Summary & Key Actions	Stakeholders	Relevant Programme Milestone(s)
SIT NFT requirements unclear	There is very little SIT NFT, which puts onus on parties' own PIT NFT. Without clarity of Programme expectations, it is difficult to identify what PIT NFT should be undertaken. Risk of PIT NFT delays. Liaising with Programme. However, discussions are underway to clarify requirements.	Programme/LDSOs	Non-Functional/Qualification Testing					
Settlement Testing	Settlement testing is progressing very slowly and there is a risk of the Programme testing not providing the required outcomes by 20th December.	Programme	SIT Settlement					
Service Management	Confusion around service management and delays to a baseline requirement when test scenarios and test cases are being consulted on risks reaching testing with lack of information and, therefore, a delay to that successful testing.	Helix	SIT Operational					
Additional costs as a result of programme delays following impact of CR055	Could affect start of LDSO QT if pre-requisites are not complete in SIT. Await outcome of Programme test case rationalisation.	LDSO	M10					

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	2.09	1.88	1.71	2.06	1.66	2.56	1.76	1.61	2.43	1.58	1.55	2.68	**23.58**
MHHS Actual/Forecast	1.84	1.93	1.71	1.77	1.73	1.61	1.79	2.15	1.91	2.22	2.16	2.76	**23.58**
DCC Budget		1.01			4.45			3.35			2.52		**11.33**
DCC Act/Forecast*	0.35	0.25	0.19	0.17	0.29	0.31	0.22	0.24	0.68	1.55	0.67	0.26	**5.18**
Helix Budget	3.40	3.40	3.40	3.40	3.40	3.40	1.80	1.80	1.80	1.80	1.80	1.80	**31.20**
Helix Act/Forecast	2.90	3.20	3.10	3.30	3.00	3.20	2.50	2.25	1.75	1.90	1.80	2.20	**31.10**
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 Forecast	0.33	0.34	0.25	0.25	0.28	0.42	0.34	0.14	0.20	0.24	0.25	0.29	**3.32**
Total Budget	**6.22**	**6.03**	**5.77**	**7.22**	**6.85**	**7.89**	**5.1**	**4.76**	**5.63**	**4.49**	**4.47**	**5.64**	**69.85**
Total Act/Forecast	**5.42**	**5.72**	**5**	**5.49**	**5.02**	**5.54**	**4.85**	**4.64**	**4.54**	**5.91**	**4.63**	**5.22**	**63.18**

Please note:
- **Totals – totals are as provided by central parties. 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

# Fast Track Implementation Group (FTIG) Update

FTIG meetings

- Focus of recent sessions has been tracking progress on:
    - Cycle 3, Sprint 6 & 7 progress
    - SIT Settlement Testing Progress, including tracking of defect levels
    - SIT Functional and Migration testing progress
    - Regression Testing Approach and Principles
    - Test Case Rationalisation approach
    - Test Evidence Optimisation
    - An early outlook on Interim Checkpoint
    - Reporting on Outstanding PIT Documentation
    - Update on Domain / Certificate Renewals Process
    - Settlement testing delivery approach / schedule

- Open & transparent discussion on the above topics both in FTIG and in associated bilaterals

- Continued good engagement from CPs and PPs

- Running weekly and for an extended duration of 90 mins as requested by participants

- FTIG content continues to be shared as appropriate through SITWG, SITAG, PSG

MHHS Programme
IPA
Avanade (DIP)
British Gas / Centrica
BUUK Infrastructure
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
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

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Document Classification: Public

MHHS Programme – Code Workstream Summary
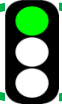
Overall Status

- All SCR Modifications have been sent for Ofgem decision
- M8 activities are on track, and the M8 Milestone has moved in line with the M10 delivery date of 24/09/25
- Post-M6/PreM8 Code change process agreed in principle

Monthly Summary

- Supporting and monitoring of M7 activities – all on track
- Supporting and monitoring M8 BSC/REC/DCUSA implementation activities
- Progressed 'incremental' Code change post-M6/pre-M8 plan

Next Month Deliverables

- Support and monitor M7 SCR Modifications Ofgem decision
- Support M8 BSC/REC/DCUSA implementation activities

Mstn Ref	Drafting Milestones	Baseline date	Forecast date	Status
T2-RE-0600	Ofgem decisions on M6 baselined code modification proposals (M7)	11/12/24	11/12/24	Green
T2-RE-0650	Code changes delivered (M8)	24/09/25	24/09/25	Green

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PSG - Qualification Update

Overall Status / Progress

Overall Qualification:
- Updates to Qualification Documents in progress in light of CR55, targeting December consultations.
- Qualification Assessment Document consultation closed (DIP Manager updates) and on track for December approvals ahead of QAD opening for SIT and Non-SIT LDSO 06/01.

Non-SIT Supplier & Agent Qualification:
- PPIR regarding Wave Reallocation closed and Wave Reallocation Submission forms sent to all Participants who indicated they wished to move wave.
- Qualification Wave plan updates approved at QAG to align to PAB dates and protect Christmas 2025 break.
- Beta Testing underway with volunteer Supplier to test onboarding processes and prove the QTF functionality.

Non-SIT LDSO Qualification:
- Smoke Testing has commenced and is scheduled to complete 29th November
- 2 LDSO not on track to PIT complete for migration and functional by programme milestone. Rest of LDSO are on track.
- 1 LDSO is not on track to confirm test readiness by programme milestone. This is due to internal issue and is not impacting other LDSOs. Rest of LDSO are on track.
- MHHSP on track to meet entry criteria for LDSO QT to start by programme milestone.
- Individual test schedules being finalised with LDSOs.

Key upcoming milestones

Milestone name	Date	RAG
Non-SIT LDSO Participants have submitted PIT Test Completion Report & evidence for QT Entry	29/11/24	R
Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Programme Test Readiness confirmed	20/12/24	R
Initial QAD Submission Window Opens (SIT & Non-SIT LDSO)	06/01/25	G

Qualification Cohort	Key Concern or Risk	Mitigation or Resolution	RAG
Non-SIT LDSO	Additional test data preparation needed to support alignment to test harness and data cleanse activities	Good progress being made with test data preparation. 9/10 LDSO have shared data with programme. Trail runs of updating data for the test harness attributes is underway with a number of LDSOs	G
Non-SIT LDSO	Progress or test coverage in SIT Cycle 2 &/or SIT Migration not sufficient to start LDSO QT	Working closely with SIT teams to understand progress and agree prioritised test coverage and exit criteria. As part of CR55, Test start date moved to January 2025 which will allow more SIT testing to complete.	G
SIT MVC & Non-SIT LDSO	Timelines very tight for finalising QAD and confirming Qualification with REC Code Manager and BSC PAB ahead of M10/11 deadlines.	Working closely with SIT and Non-SIT LDSO teams to understand testing timelines and where Qualification activities can complete ahead of test sign off. Engagement with BSC PAB ongoing to ensure expectations are set around SIT MVC and Non-SIT LDSO Qualification. Review alongside the re-evaluations of timelines.	A
Non-SIT Supplier & Agent	Key dependency on SIT NFT and Operational Test RTTM which will impact finalisation of QT scope if delayed further.	Working collaboratively with the SIT teams to understand the delivery timelines and to get sight of the RTTMs as early as possible to inform QT scope.	A

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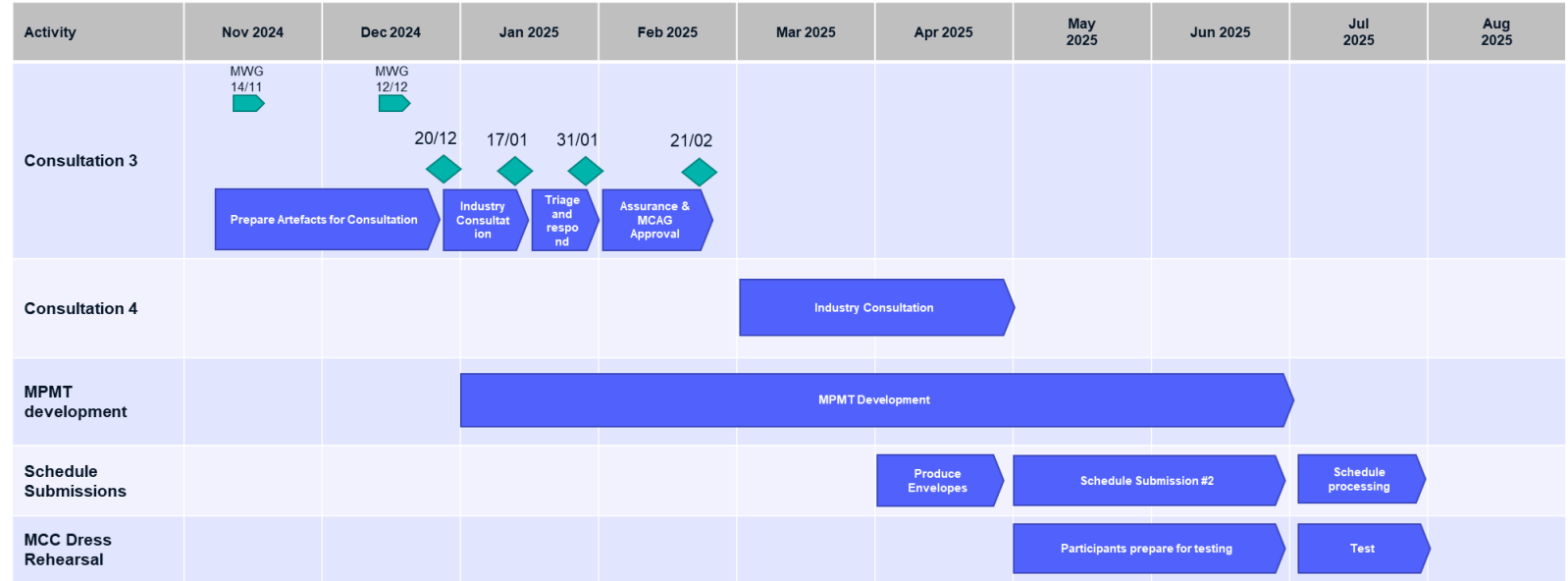
Migration Workstream Update

1. Roadmap

The revised roadmap to Dress Rehearsal was discussed at MWG and there were no comments or concerns raised. TORWG and MWG are developing the integrated schedule for transition, cutover and migration activities.

2. Consultation 2 and 3 content

The proposed content for the consultations was discussed at MWG and there were no comments or concerns raised

3. Supplier schedule submission

The key findings were discussed at MWG. The report with documented observations and recommendations will be published by the end of November

Activity	Nov 2024	Dec 2024	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025
Consultation 3	MWG 14/11	MWG 12/12 / 20/12	17/01 / 31/01	21/02						
	Prepare Artefacts for Consultation		Industry Consultation / Triage and respond	Assurance & MCAG Approval						
Consultation 4						Industry Consultation				
MPMT development			MPMT Development							
Schedule Submissions						Produce Envelopes	Schedule Submission #2		Schedule processing	
MCC Dress Rehearsal						Participants prepare for testing			Test	

Governance group updates

Programme Steering Group (PSG)

PSG 06 November 2024

Testing Update: Programme provided an update on Cycle 3, Settlement Testing, Domain Expiry and IR8.4.

Change/Design Management post-M10: Programme provided an update on principles for Change Management post-M10.

Risks and Issues: Programme outlined the key strategic themes from the Programme RAID log post CR055.

Programme Change Requests: CR057 was rejected by SRO following a recommendation to reject by Change Board based on CR057 not meeting the Change Freeze criteria.

PSG papers available here.

Design Advisory Group (DAG)

DAG 13 November 2024

Meeting held by correspondence owing to diminishing content.

Interim Release Update:
Interim Release 8.4 was published on 16 October 2024. IR8.5 was published 06 November 2024

Change Request Updates: Programme provided updates on CR055, CR057, CR058 and CR059.

DAG papers available here.

Cross Code Advisory Group (CCAG)

CCAG 23 October 2024

In the meeting, the CCAG provided updates on:

Programme Updates: Including an update on the progress of CR055.

Horizon Scanning Log: National Grid ESO, DCUSA, REC and BSC provided updates.

M6 Reporting: Post M6 Code Change Process and top Programme risks relating to CCAG.

M7 Delivery: Ofgem M7 delivery.

M8 Code implementation: Code Bodies and DIP Manager update on the M8 Code Implementation/go-live.

November CDWG1 was cancelled.

CCAG papers available here.

System Integration Testing Advisory Group (SITAG)*

SITAG 20 November 2024

SIT Operational Test Scenarios and Test Cases Theme 3: Programme provided an update on Theme 3 and addressed the initial assessment feedback from Participants.

Service Management & SIT Operational Dependencies: Programme provided an update on the early release of the Service Operating Manual.

SIT Test Progress Update: The Programme provided an update on SIT Test Progress, highlighting the progress of Settlement Testing.

Regression Approach: The Chair approved the date changes of two T3 milestones and assignment of two T2 milestone IDs.

SIT Functional Rationalisation: The Programme ran through the rationalisation process.

SITAG papers available here.

Qualification Advisory Group (QAG)*

QAG 21 November 2024

Wave Allocation: The Code Bodies provided an update on the PPIR for Wave Reallocation and the potential next steps.

DIP Manager Assurance: The DIP Manager provided update on the assurance of Non-Functional Requirements that sit under the DIP Supplement in BSC, including an overview of the DIP On-boarding process

Programme Milestone related to QAG: The Chair, acting with delegated authority of the MHHS Senior Responsible Owner (SRO), approved

- The establishment of Qualification Testing (QT) Functional Test Scenarios and Test Cases Batch 3 milestone as 30 January 2025.

- The removal of the QT Non-Functional and Operational Test Scenarios and Test Cases milestones, due to being superseded by Functional Batch 3

- Tier 2 and 3 milestones to correct the Performance Assurance Board dates and Qualification Wave dates in the Programme Plan

QAG papers available here

Migration & Cutover Advisory Group (MCAG)*

MCAG 26 November 2024

Service Design Consultation: Helix provided an update on the Service Design timeline.

The Programme also provided an update on MWG, DCWG, and TORWG.

MCAG papers available here.

Wider Programme Updates

Participant Checklist:

There are a few updates this week, so this week's Participant Checklist includes the following items for Programme participant review, feedback and awareness:

1. REMINDER: Final Pre-Integration Testing (PIT) Approach & Plan – the deadline is **Friday 29 November 2024**
2. REMINDER: Submitting test evidence for PIT Functional and redacted Meter Point Administration Numbers (MPANs) – the deadline is **Friday 29 November 2024**
3. REMINDER: Small and Medium Supplier representatives required for Governance Group Meetings – the deadline is **Wednesday 4 December 2024**
4. REMINDER: Non-Systems Integration Testing (SIT) Licensed Distribution System Operator (LDSO) Qualification Testing Readiness Report Template – the deadline is **Friday 13 December 2024**
5. NEW! Design Interim Release 8.6 Artefacts published
6. NEW! Panel approved Code Artefacts
7. Participant Checklist updated to reflect timelines for upcoming Qualification activities
8. NEW! PIT page for Qualification participants (Non-SIT LDSO and Suppliers / Agents) - TBC

You can view the **Participant Checklist** on the respective **Planning pages** of the Collaboration Base and the MHHS website. In the Participant Checklist you can view upcoming consultations and key deliverables, as well as the latest status of Change Requests in the **Master Change Request Dashboard** tab.

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

Upcoming Governance Meetings:

- **Thursday 28 November 2024:** Data Cleanse Working Group (DCWG)
- **Wednesday 4 December 2024:** Programme Steering Group (PSG)
- **Wednesday 4 December 2024:** Non-Systems Integration Testing (SIT) Supplier & Agent Qualification Testing Subgroup (SAQTSG)

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

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Testing

- The PPC has been supporting the Testing team with comms and engagement activities relating to SIT test execution, including the dissemination of the post-sprint reports, overall test pass status, daily test/defect & flash reports.
- The PPC is supporting the Testing team with preparatory activities for SIT NFT and SIT Operational Testing, and has also scheduled a walkthrough for the rationalisation of SIT Functional test cases.
- The PPC has been coordinating the industry consultation windows for SIT Operational Theme 3 test cases Batch 1 and Batch 2.
- The PPC is supporting the Test Data team to schedule a Data retrospective for NFT and Cycle 3 Testing in December.
- **Next Steps:** Continued support with prep activities for SIT NFT and SIT Operational, coordination of SIT Operational Theme 3 Batch 2 Test Cases, continued support with SIT test execution activities

Qualification

- All Non-SIT LDSOs have successfully completed DIP onboarding.
- The PPC supported Code Bodies with preparatory activities for the QAD Guidance Webinar which was attended by 155 participants, as well as publishing the slides and recording to the comms channels.
- The PPC supported with issuing the Qualification Wave Reallocation PPIR to all Non-SIT Suppliers and Agents. The Qualification Wave Reallocation PPIR closed on 14 November 2024. The Code Bodies and Programme reviewed all responses received and agreed next steps. The PPC issued the Wave Reallocation Request submission form to those participants who have registered interest to move Wave, as well as email communications confirming Wave allocations to those participants who either didn't respond to the PPIR or responded confirming that they don't wish to move Wave.
- The PPC has also issued communications regarding the QAD consultation, updated RTTMs and reminding participants in Wave 2 of the upcoming deadline to submit their Final PIT Approach & Plans for Code Body review.
- **Next Steps:** Support with closing out the Qualification Wave Reallocation PPIR and communications for upcoming consultations (Q&AP updates, Batch 3 QT Test Scenarios).

Targeted and Tailored Communications

- PPC supported with the publication of SIT Operational Theme 3 (Batch 2) Test Cases and Test Scenarios
- Published Design Artefacts for IR 8.5 on Collaboration Base and Website
- Supported comms and updates to the Programme Planning documents (version 6.12) on the Collaboration Base and Website
- Published Helix – Service Operating Manual on Collaboration Base and Website
- **Next steps:** Support Programme workstreams as and when required

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
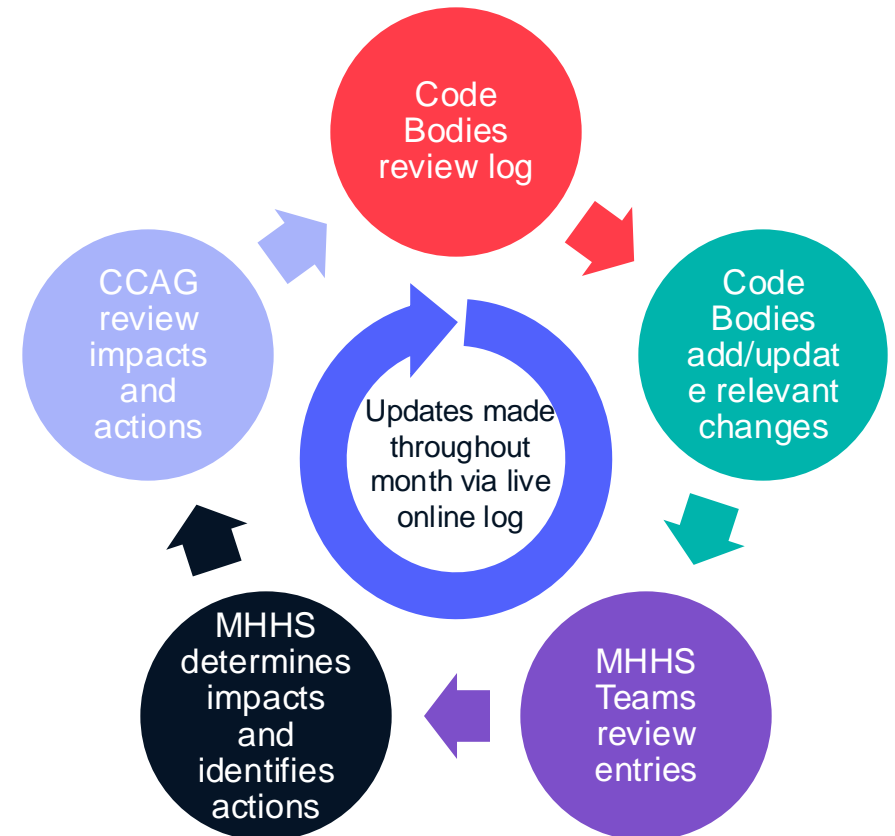
Category	Value
No. items raised to Horizon Scanning Log	94
No. items with no/low impact on MHHSP or no…	48
No. items identified as requiring MHHS involement…	11
No. items to be monitored for developments	6
No. items awaiting full MHHSP assessment	12
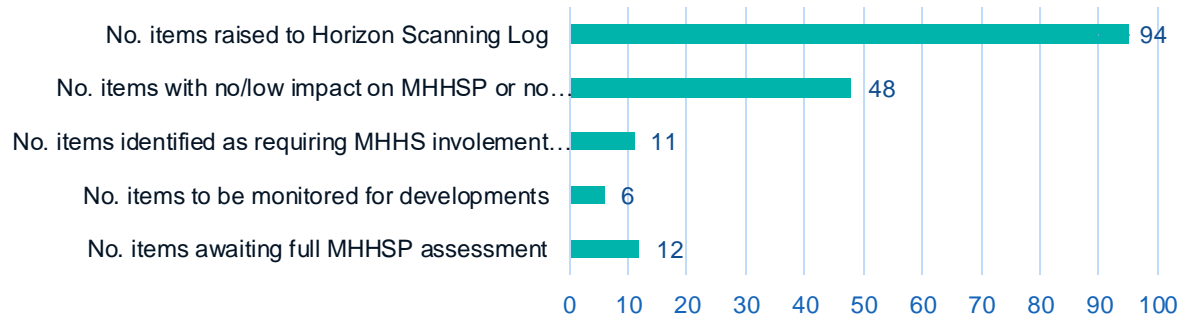
More information can be found via the CCAG meeting papers

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

Industry code changes: 94 – REC: 53, BSC: 19, DCUSA: 14, 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.

Code Bodies review log

Code Bodies add/update relevant changes

MHHS Teams review entries

MHHS determines impacts and identifies actions

CCAG review impacts and actions

Updates made throughout month via live online log

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, review of the PPC bilateral reports, RAID log and actions monitoring. Review of Helix service management plan.

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

- **Management of Separation Plan (WP5)** - **In Progress** - Review to assess whether the controls outlined in the Separation Plan continue to operate effectively and that actions agreed from the previous review have been completed.

- **Ad-hoc Assurance and Advice (WP14) - In Progress -** Cyber Security review to assess Programme's processes and governance to assess the effectiveness of mitigating Cyber Security risks.

Stage-Based Assurance

- **Test Assurance (WP9-11)** - Test assurance activities are performed in an embedded manner, with observations and recommendations shared in real-time to support early action. IPA continue to monitor SIT Functional, SIT Migration and SIT Settlement progress. CR055 IPA report recommendations are being tracked to completion.

- **Assurance Period 8 (P8) - 1 October 2024 to 28 February 2025 - In Progress** - Planning and mobilisation now complete with all 14 assurance sessions scheduled. In progress with fieldwork with 5 assurance sessions held. The focus of P8 is:

  - **Test Assurance (WP9-11)** - SIT F and SIT M progress; readiness for SIT NFT and SIT Operational.

  - **Qualification (WP12)** - Readiness for Non-SIT LDSO Qualification Testing. Continued monitoring over activities for Supplier & Agent Qualification.

  - **Migration & Transition (WP13) -** Continued monitoring over Migration and Transition preparation and readiness activities, including documents consultations through attendance at TORWG, DCWG & MCAG.

  - **Consequential Change (WP14)** - Evidence gathered on participants impact assessments and implementation plans.

Upcoming Assurance Activities

- **IPA Input into non-SIT LDSO Qualification Testing (QT) Readiness** to support the Programme's decision to commence non-SIT LDSO QT

- **M10 Readiness Assurance Activities** to support forming an independent view of end-to-end Programme readiness leading up to the M10 milestone

Assurance Action Status

Overall, 228 actions are agreed with the Programme team or Participants to date.

- 200 are **completed**
- 2 are **expired**
- 26 are **in progress,** out of which :

15 are within their due date	5 are overdue by <1 month	2 are overdue by 1-3 months	4 are overdue by >3 months

Below are the actions opened and completed within the last period.

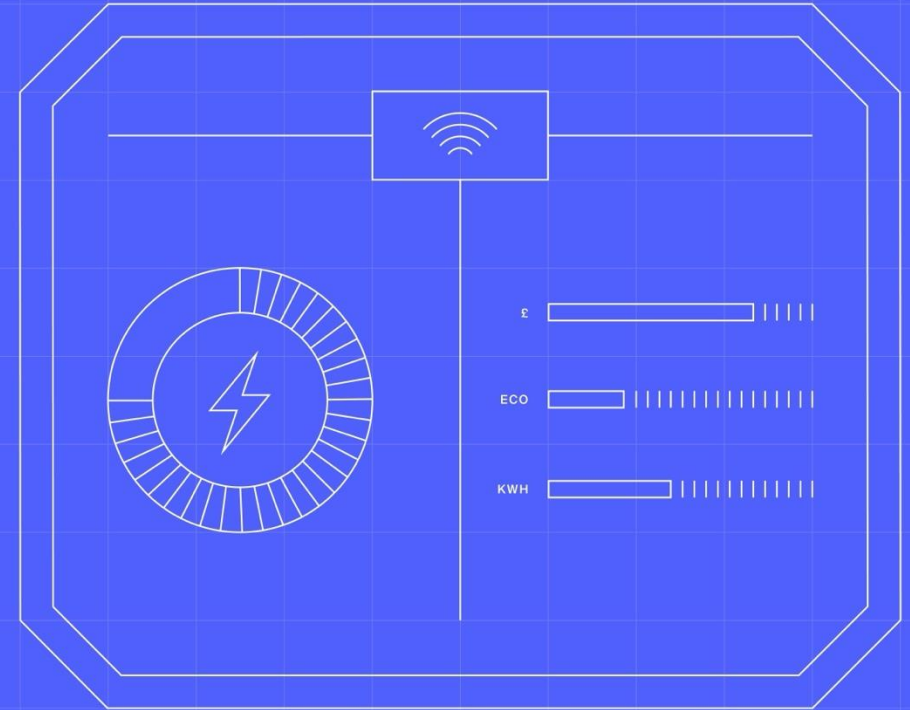| New actions opened	24
Actions completed	16

Summary and Next Steps

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

Chair and Secretariat

5 mins

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Summary and Next Steps

1. Confirm actions and decisions from meeting

2. Next PSG meeting: **15 January 2025 10:00 – 12:30 (virtual)**

Meeting dates	15 January 2025
Relevant milestones or activities	
Agenda items	• Testing Update • Programme Change Requests • Non-Functional Testing Readiness • Operational Testing Readiness • Migration Update • LDSO QT Readiness • Go-Live Readiness
Standing items	• Minutes and Actions • 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

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Appendix 1 – RAID Theme Slides

Theme	Summary	Mitigation Approach Overview
Risks to SIT Functional Execution	The theme explores the factors which may affect the Programme being able to complete SIT Functional 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

Key Risks

Risk ID	Risk Description	Risk Score Assessment																													Current score movement since last PSG	Mitigation Plan
		Critical						High							Medium							Low										
		30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		
R849	There is a risk, raised by some Participants in SITWG, FTIG, SITAG and NFTWG that the delivery of SIT Functional Test execution is more difficult than expected, along with the concurrent SIT Test Stage execution activities, resulting in some Participants under increased pressure to deliver at the pace required.											C I→						T															Score remains at 19	1. CR055 (including it's 6 week SIT extension) has been recommended for approval from PSG to Ofgem. It is agreed that PPs and Programme will work off the CR055 timelines as the new baseline as we await Ofgem decision (estimated before end of year but not confirmed) Therefore this risk has been mitigated by the updated, realistic timeline.
R1003	There is a risk that due to late IR8.4 delivery and test defect levels, some cohorts may find test progress hindered by a lack of available tests.											C I											→T										New item	1. Programme is adding gap analysis tests to the backlog 2. PPs are being encouraged to fix intra-cohort defects according to SLAs 3. Programme is putting emphasis on faster defect resolution more broadly, including CPs

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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 2: SIT Migration Execution

Theme	Summary	Mitigation Approach Overview	
SIT Migration Execution	The theme explores the factors that could impact the Programme being complete SIT Migratoin	• Bilaterals have been scheduled to understand the reasons regarding Participants throughput • Discussions with DCC to ensure clarity regarding CSS support for reverse migration activities.	

Key Risks

Risk ID	Risk Description	Risk Score Assessment				Current score movement since last PSG	Mitigation Plan
		Critical	**High**	**Medium**	**Low**		
		30 29 28 27 26 25	24 23 22 21 20 19 18 17	16 15 14 13 12 11 10 9	8 7 6 5 4 3 2 1		
R946	There is a risk that PPs will not complete SIT Migration in line with current Programme Plan		I ——→ C ——→ T			Score remains at 19	1. CR055 (including it's 6 week SIT extension) has been recommended for approval from PSG to Ofgem. It is agreed that PPs and Programme will work off the CR055 timelines as the new baseline as we await Ofgem decision (estimated before end of year but not confirmed) Therefore this risk has been mitigated by the updated, realistic timeline

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Key	
I	Initial Score
C	Current Score
T	Target Score

Risk theme 3: Risks to SIT Non-Functional and SIT Operational

Theme	Summary	Mitigation Approach Overview
Risks to SIT Non-Functional and SIT Operational	The theme explores the factors which may affect the Programme being able to complete SIT Non-Functional and Operational within the planned duration	• A PIT NFT Tooling questionnaire has been issued to all participants as a means of understanding their current methods of generating, and processing, of IFs and PUBs messages. • Additionally, participants have been asked how they have simulated various routes outside of programme scope but are integral in allowing end to end business processes to be completed.

Key Risks

Risk ID	Risk Description	Risk Score Assessment	Current score movement since last PSG	Mitigation Plan
		Critical / High / Medium / Low (30–1)		
R948	There is a risk that delayed return of PIT readiness documentation from PPs may delay the start of SIT NFT.	I → C → T (score at 19, medium)	Score remains at 19	1. CR055 (including it's 6 week SIT extension) has been recommended for approval from PSG to Ofgem. It is agreed that PPs and Programme will work off the CR055 timelines as the new baseline as we await Ofgem decision (estimated before end of year but not confirmed) Therefore this risk has been mitigated by the updated, realistic timeline. 2. Split out Theme 1 and Themes 2 & 3 to allow for greater time to review and work through PIT documentation. This will allow for greater focus and quality on PIT deliverables.

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Key	
I	Initial Score
C	Current Score
T	Target Score

Risk Theme 4: Risks to Qualification success

Theme	Summary	Mitigation Approach Overview
Risks to Qualification Success	Code Bodies are accountable for Qualification for all relevant PPs with responsibility for Qualification Testing execution with Code Bodies for Suppliers & Agents and the Programme for Non-SIT LDSOs. Industry participants have raised a risk historically that there has been a lack of clarity on the approach and plan to deliver Qualification for non-SIT LDSOs, Suppliers and Agents.	• Programme plan provides clarity on the activities and responsibilities associated with preparation and execution of Qualification. • Ongoing collaboration between MHHSP and Code Bodies and industry to develop and approve Qualification material through QWG & QAG and to ensure consistency with SIT materials. • Wave allocation has been re-confirmed and Code Bodies are reviewing placing reliance

Key Risks

Risk/Issue ID	Risk Description	Risk Score Assessment				Current score movement since last PSG	Mitigation Plan
		Critical / High / Medium / Low					
R532	There is a risk that SIT participants will need to execute additional Qualification Testing to qualify	Current score: 15, Initial score: 11, Target score: 9				Score remains at 15	1. Test team have received feedback from Code Bodies, actioned and updated. Awaiting status from Code Bodies on RTTM approval. 2. RTTM for SITF complete and agreed. RTTM for SIT Migration in final steps of Code Body approval. RTTM for SIT NFT and SIT Ops scheduled in the Programme plan.

Key: I = Initial Score, C = Current Score, T = Target Score

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Risk Theme 5: Commencing and completing Migration successfully

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

Key Risks

Risk ID	Risk Description	Risk Score Assessment – Critical / High / Medium / Low (30–1)	Current score movement since last PSG	Mitigation Plan
R700	There is a risk that Suppliers and Agents do not complete Qualification in line with their delivery plans and this places pressure on the volumes that needs to be delivered over the remainder of the migration period	C and I at 16, T at 9	Score remains at 17	1. Engagement with Suppliers and Agents to ensure they build a Qualification delivery plan that is achievable, and that they remain on track to deliver this plan. 2. Increased flexibility from Code Bodies in wave qualification. 3. Close liaison and reporting required from Qualification team to the Migration Control Centre. 4. Workshops held with Elexon and Migration Control Centre to understand the MI reporting which would be in place to monitor S&A QT participants through Qualification. Follow up sessions to be held to understand escalation approach where off track.
R828	There is a risk that Suppliers initiate more migrations than planned, or exceed the Threshold volumes	C at 13, I at 15, T at 9	Score remains at 18	1. Mitigations to be agreed as part of Consultation 2 of the Migration Framework. Exploring regulatory mechanisms that deal with scenarios where participants breach agreed system thresholds. 2. Migration governance framework developed with MWG. Incentives to be developed with Code Bodies.

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

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

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Theme	Summary	Mitigation Approach Overview
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 for Participants to successfully operate within the new arrangements.	• Potential additions to the data cleanse plan are being discussed through the DCWG, progress against the plan continues to be monitored and discussed with participants where required. • M10/M11 Cutover Plan has been signed off, ensuring Central Parties are clear of expectations on them at go-live. • Helix continue to progress the Service Design to ensure that participants are aware of the SM arrangements that will be in place at go-live.

Key Risks

Issue ID	Risk Description	Risk Score Assessment				Current score movement since last PSG	Mitigation Plan
		Critical 30 29 28 27 26 25	**High** 24 23 22 21 20 19 18 17	**Medium** 16 15 14 13 12 11 10 9	**Low** 8 7 6 5 4 3 2 1		
R988	There is a risk there is currently no ownership of Qualification Assurance of Non-Functional Requirements. Previously, the code bodies had assumed that they had the vires to assure NFR compliance however, it was recently uncovered that the NFRs sit within the DIP code, leaving a gap		C ———→ T			Score remains at 24	1. Ownership of Non-Functional requirements has been agreed to sit with the DIP Manager. MHHSP is awaiting direction of how this will be enacted and what activities need to be undertaken to ensure the Qualification assurance of Non-Functional requirements can be included and align with the Programme plan.

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Key	
I	Initial Score
C	Current Score
T	Target Score

Theme	Summary	Mitigation Approach Overview
Early Life Risks	This theme explores risks during the period immediately following the go-live of the MHHS arrangements(M10) and during the early stages of the MHHS Migration period (post M11/M12).	• Early Life Support Model is being developed. This will set out the ramp up criteria that will need to be met for the number of migrations to be increased. • Migration incentives to be developed by the Migration team.

Key Risks

Risk ID	Risk Description	Risk Score Assessment				Current score movement since last PSG	Mitigation Plan
		Critical	High	Medium	Low		
		30 29 28 27 26 25	24 23 22 21 20 19 18 17	16 15 14 13 12 11 10 9	8 7 6 5 4 3 2 1		
R745	There is a risk that Post M11, migration is ramped up too quickly before performance has indicated the number of migrations can be ramped up.			C ————————→ T		Score remains at 17	1. Early Life Support Model is being developed. This will set out the ramp up criteria that will be needed to be met for the number of migrations to be increased. 2. Migration Team are currently considering incentives related to the Migration period. 3. Risk to be reviewed following the Early Life Support Model publication

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Key	
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Thank you

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