



**MHHS
PROGRAMME**
Industry-led, Elexon facilitated

Programme Steering Group #22

05 July 2023

Version 1.0

MHHS-DEL1335

Document Classification: Public

Agenda

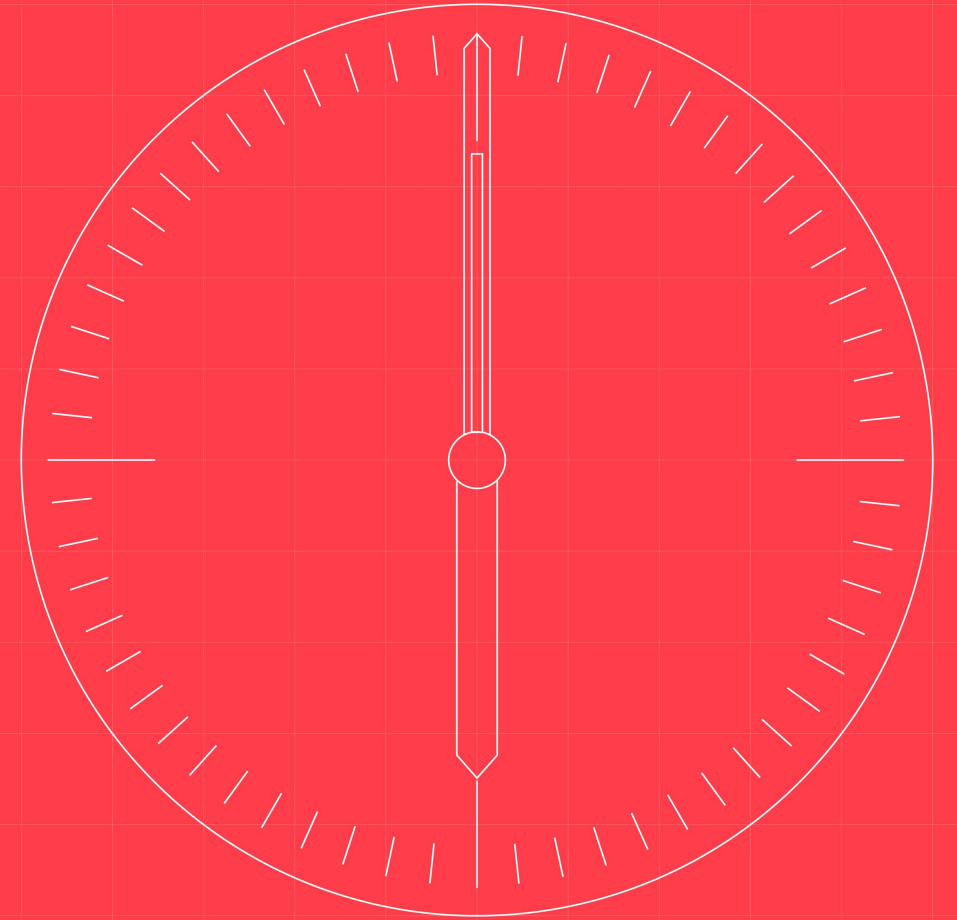
| # | Item | Objective | Type | Lead | Time | Page |
|---|--|---|-------------|----------------------------|------------------------|------|
| 1 | Welcome | | - | Chair | 10:00-10:05 5 mins | - |
| 2 | Minutes and Actions | Approve minutes and review actions | Decision | Chair & Secretariat | 10:05-10:15 10 mins | 3 |
| 3 | Sponsor Update | Verbal update from the Programme Sponsor | Information | Ofgem | 10:15-10:20 5 mins | 6 |
| 4 | Programme Reporting | Progress reporting against the Programme Plan | Information | Programme (Keith Clark) | 10:20-10:30 10 mins | 8 |
| 5 | SASWG ToR Approval | Decision on approval of the SASWG Terms of Reference | Decision | Programme (Chris Welby) | 10:30-10:35 5 mins | 10 |
| 6 | Fast Track Design Update Process Review | Discussion on operation of new fast track design update process | Discussion | Programme (Adrian Page) | 10:35-10:45 10 mins | 12 |
| 7 | Core Capability Provider Update | Updates from Core Capability Providers | Information | DIP / Helix | 10:45-11:00 15 mins | 15 |
| 8 | Delivery Dashboards | Questions from PSG members on delivery dashboard content | Information | Chair | 11:00-11:05 5 mins | 19 |
| 9 | Summary and Next Steps | Summarise actions and decisions, and look ahead to next meeting | Information | Chair & Secretariat | 11:05-11:10 5 mins | 44 |
| | Appendices | Appendix 1: Look Ahead – Consultation Dashboard | Information | | | 46 |
| | | Appendix 2: Change Control Approach (<i>updated</i>) | Information | | | - |
| | | Appendix 3: CR026 - Enhancements to the Change Control Approach | Information | | | - |

Minutes and Actions

DECISION: Approve minutes and review actions

Chair & Secretariat

5 mins



Minutes and Actions (1 of 2)

1. Approval of minutes from last PSG

2. Review of actions:

| Ref | Action | Owner | Due | Latest Update |
|----------|--|---------------------------|-----------------------|--|
| PSG17-03 | Discuss at DAG if the DIP design could result in changes to the MHHS core design, and if so, the likely timelines for changes to the core design to be delivered | Programme | 08/06/2023 | RECOMMEND CLOSED: The Programme will continue to monitor this as advise accordingly should updates to the core design be required. PREVIOUS UPDATE: A risk has been raised to the Programme RAID log (see risk R045). The risk remains low scoring. The DIP Design artefacts have been shared with Programme Participants for consultation. This underwent an early informal review, a webinar as well as an extended formal review. This will be tabled for offline approval at DAG, with an update at DAG on 14-Jun-23. |
| PSG17-05 | Review the post-implementation approach to Benefits Realisation and how Benefits Realisation will be handed over to Ofgem at M16 | Programme (Jason Brogden) | To be reviewed at CP2 | ONGOING: To remain open and be aligned to Control Point 2. |
| PSG18-05 | Look into the assurance process for LDSOs for the accuracy of data for DUoS billing | Programme (Jason Brogden) | 05/07/2023 | ONGOING: Programme is currently in discussions with Elexon on their legal advice on what assurance can be undertaken for Qualification for DBT2 activities. We can then progress a statement on assurance to share with LDSOs, Elexon Helix and more widely. |
| PSG21-01 | Programme to check alignments between master plan and POAP provided in Implementation Approach document | Programme (Giles Clayden) | ASAP | RECOMMEND CLOSED: Minor corrections made to POAP seen in Implementation Approach v3.2 to align with Programme Plan v5.1 available from 21 June 23. [POAP is fully aligned to Baselined MHHS Implementation Timeline published via Clock on 28 June 23] |
| PSG21-02 | Programme to confirm mechanism to prevent sites excluded from reverse migration from migrating prior to M14 | Programme (Jason Brogden) | 15/06/2023 | RECOMMEND CLOSED: As suggested in June PSG meeting, the exclusion of these sites will be subject to this policy decision and Suppliers will be required to exclude these sites from their migrations. This will be managed by the Migration Control Centre. There will be no 'central' system controls (e.g. at CSS) as the data which identifies these doesn't exist centrally. |
| PSG21-03 | Programme to update Fast Track Design Update Process slides to include further information on participant journey (e.g. objections raising and treatment, escalation routes, etc.) | Programme (Paul Pettitt) | 15/06/2023 | RECOMMEND CLOSED: The updated slides were provided post the PSG meeting and issued as part of the highlight report. |

Minutes and Actions (2 of 2)

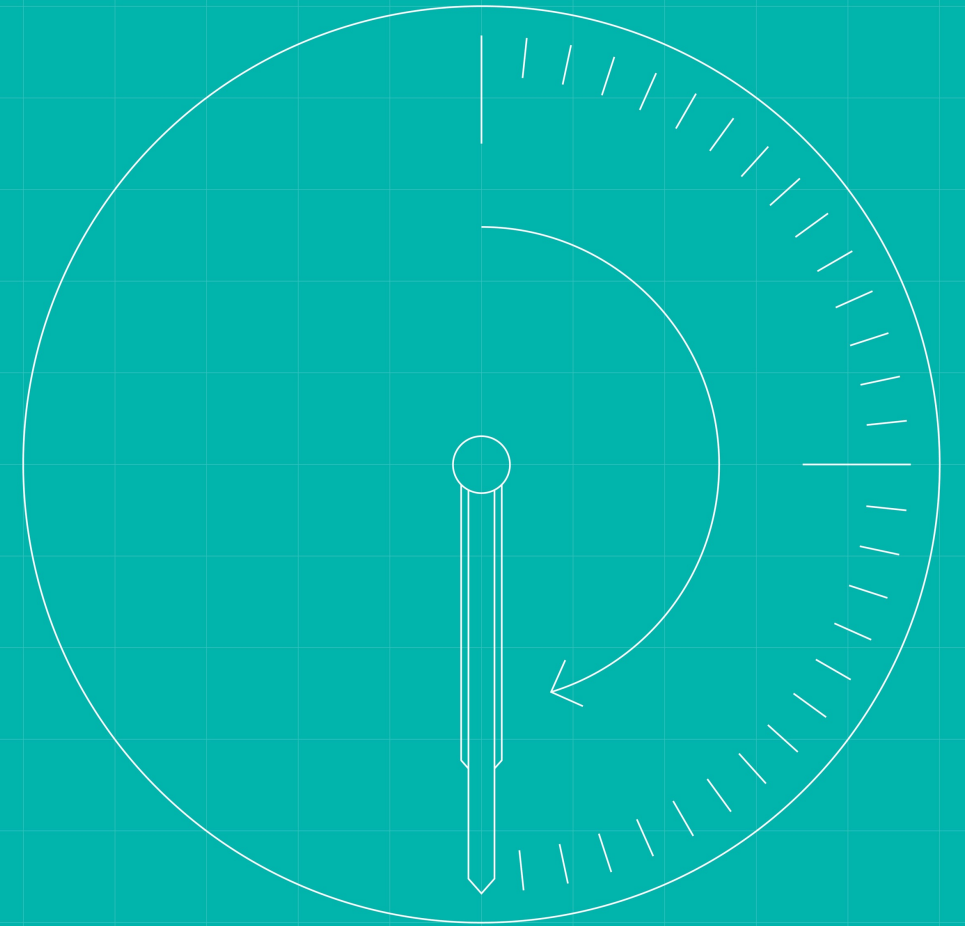
| Ref | Action | Owner | Due | Latest Update |
|----------|--|--|------------|---|
| PSG21-04 | PSG to review efficacy of Fast Track Design Update Process at next PSG following one month of operation | Programme (Paul Pettitt) and PSG Members | 05/07/2023 | RECOMMEND CLOSED: Update provided in this meeting – see agenda item #6 |
| PSG21-05 | Programme to discuss with IPA the potential inclusion of IPA test assurance activities alongside programme plan information, to assist participants' view of effort requirements | Programme and IPA | 05/07/2023 | ONGOING: Discussions held with the IPA on incorporating assurance activities into the Programme Plan. IPA to share a proposal to be reviewed and agreed with the Programme. |
| PSG21-06 | Programme to confirm whether there are any SEC qualification requirements for Suppliers using existing DCC services to request SDS | Programme (Jason Brogden) | 15/06/2023 | RECOMMEND CLOSED: Position agreed with Programme, SECAS, DCC, BSCCo, RECCo and the Programme and communications to be sent in the Clock 05/07/23 and shared through PPC and Programme comms channels. |

Sponsor Update

INFORMATION: Verbal update from the Programme Sponsor

Ofgem

5 mins



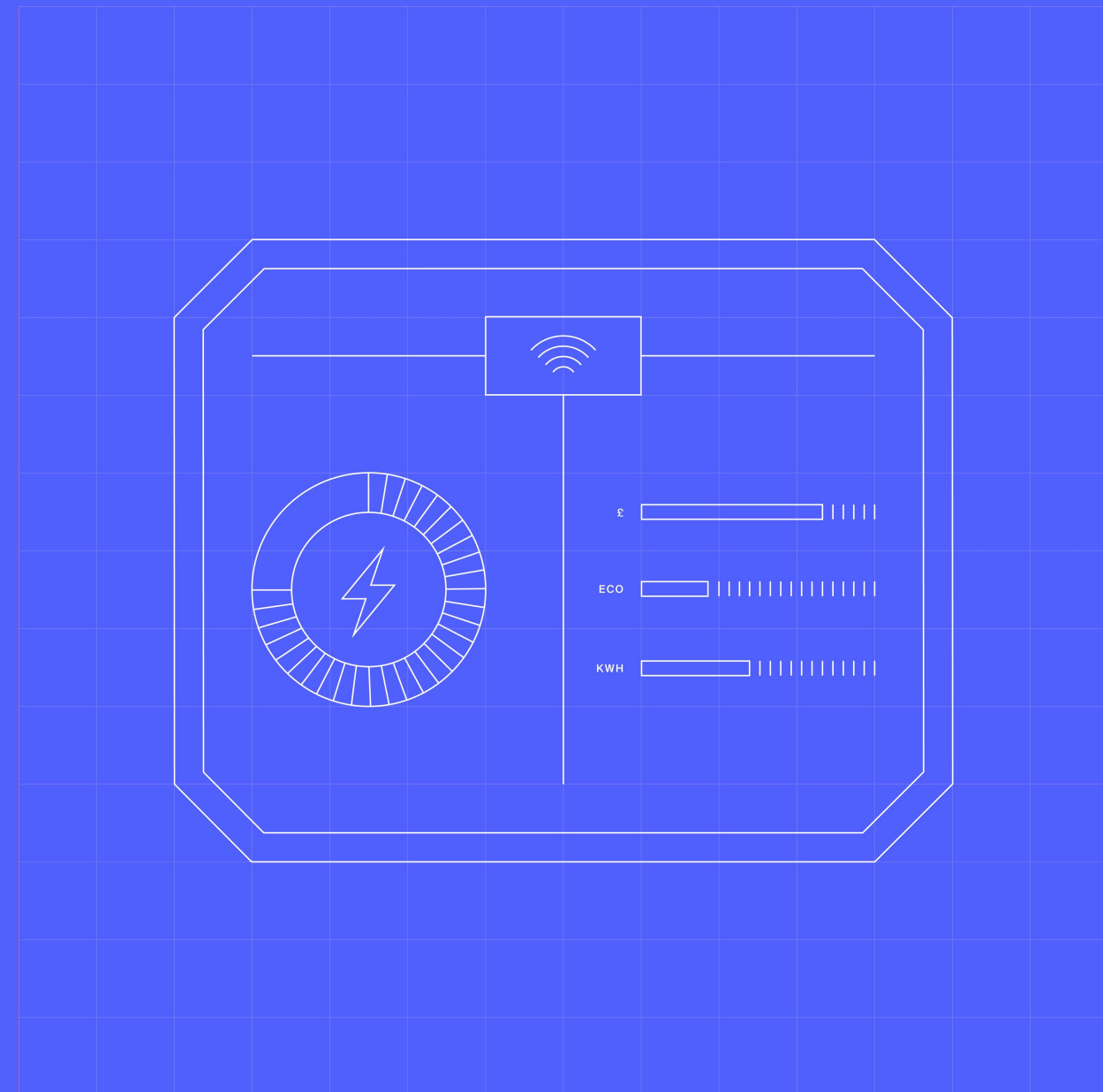
- On 12 June we published our decision to approve the CR022 Level 1 milestones
- We are pleased to see that the Programme has published the revised baselined plan and now expect to see all parties devote the resources necessary to meet the milestones in that plan
- Discussion of incentives to ensure that parties stick to the revised plan is still live within Ofgem
- In the meantime, we expect all parties to continue their DBT activities and preparation for SIT

Programme Reporting

INFORMATION: Progress reporting against the Programme Plan

Programme (Keith Clark)

10 mins



MHHS Milestone Status *

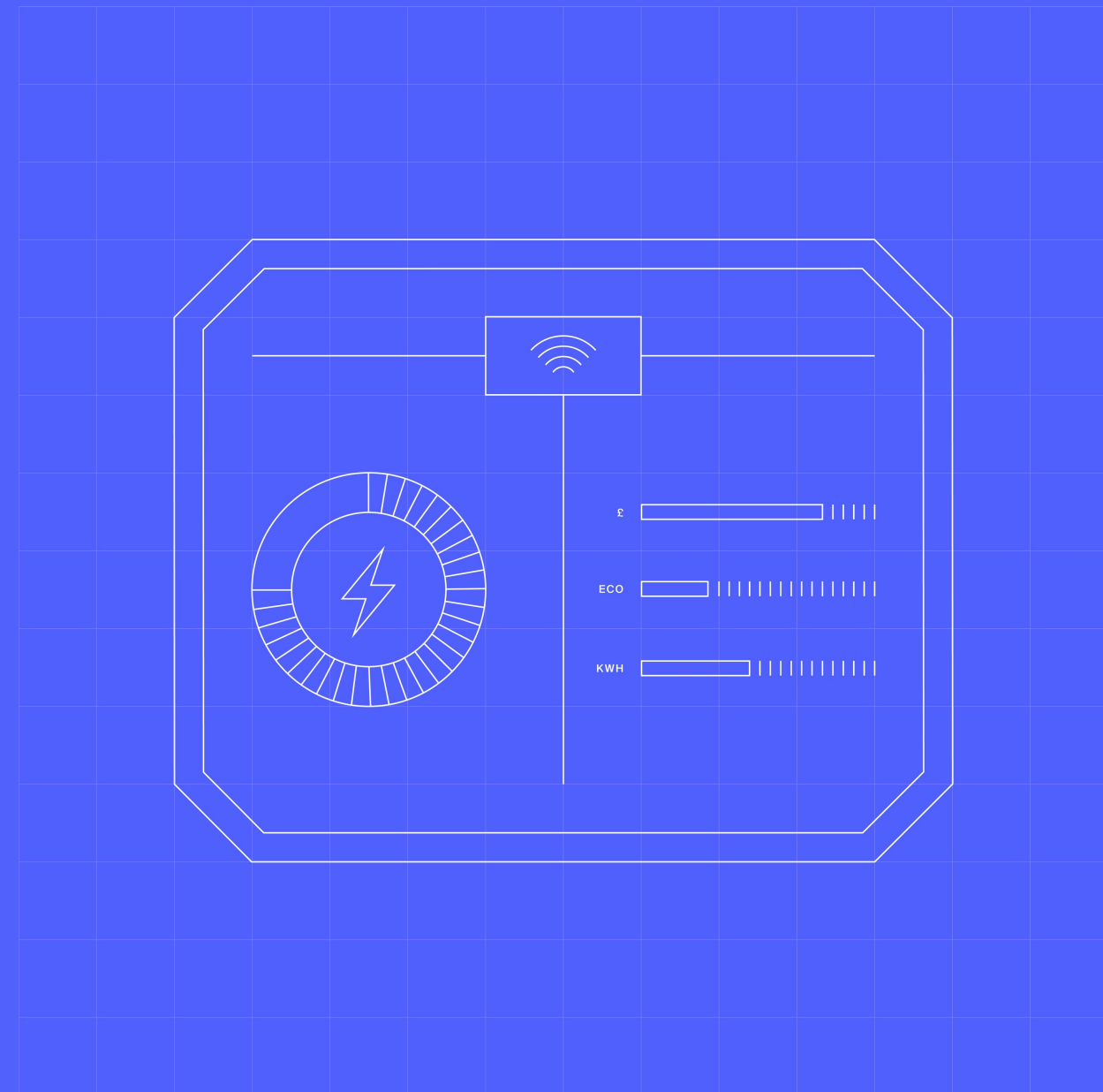
| Milestone Tier | Milestone ID | Milestone Title | Baseline Date | Forecast Date | Previous RAG Jun PSG | Current RAG Jul PSG | Forecast RAG Aug PSG | Commentary |
|----------------|--------------|---|---------------|---------------|-------------------------|------------------------|-------------------------|---|
| T1 | T1-PM-1000 | Plan re-baselined (subject to Ofgem decision) | 08-Jun-23 | 08-Jun-23 | Green | Blue | Blue | Ofgem decision made as planned |
| T3 | T3-DB-0095 | Interim Design Artefact Release 1 go live | 12-Jun-23 | 12-Jun-23 | White | Blue | Blue | Released as planned, following last month's PSG decision on applying the fast-track design governance approach |
| T2 | T3-TE-0011 | Notification of Production Data Cut issued to relevant participants | 19-Jun-23 | 19-Jun-23 | Green | Blue | Blue | Notification issued as planned |
| T3 | T3-DB-0096 | Interim Design Artefact Release 2 go live | 05-Jul-23 | 05-Jul-23 | White | Green | Blue | Expected to be released as planned |
| T3 | T3-TE-0012 | SIT Component Integration Testing Test Approach & Plan approved <i>(incorporates associated companion test data document approval)</i> | 19-Jul-23 | 19-Jul-23 | White | Green | Blue | 10-day consultation period completed, 5-day assurance review to follow, after documents revision. On track for TMAG approval |
| T2 | T2-DB-0250 | Tranche 2 Transition Design approved | 03-Aug-23 | tbc | Green | Red | Red | Deferred. To be re-planned via monthly sessions with MTDSG members, starting w/c 03-Jul-23. Date-change CR to be raised, no impact expected |
| T3 | T3-DB-0035 | DIP Simulator uplifted to align with Interim Release 2 | 11-Aug-23 | 11-Aug-23 | White | Green | Green | On track |
| T3 | T3-TE-0017 | Production data cut GONG decision | 16-Aug-23 | 16-Aug-23 | White | Yellow | Green | Will depend upon status of T2-TE-0200 |
| T3 | T3-TE-0013 | SIT Functional Testing Test Approach & Plan approved <i>(incorporates associated companion test data document approval)</i> | 16-Aug-23 | 16-Aug-23 | White | Green | Green | 10-day consultation due to begin on 07-Jul-23, with subsequent 5-day assurance period after documents revision. On track for TMAG approval |
| T2 | T2-TE-0200 | Data cut from relevant participants' production systems completed | 21-Aug-23 | 21-Aug-23 | Green | Yellow | Green | MHSP sessions with SIT participants to agree detailed arrangements – these sessions to complete by 19-Jul-23. Some risks being managed |
| T2 | T2-RE-0250 | Code drafting for Registration topic area approved | 23-Aug-23 | 23-Aug-23 | Green | Green | Green | On track |
| T3 | T3-TE-0019 | SIT Participants' SIT A environments ready to start connectivity proving (incl. certificates and security compliance) CIT Interval 1 | 01-Sep-23 | 01-Sep-23 | Green | Green | Green | On track |
| T2 | T2-RE-0200 | Code drafting for BSC Central Services topic area approved | 14-Sep-23 | 14-Sep-23 | Green | Green | Green | On track |
| T2 | T2-TE-0250 | SIT Component Integration Testing 1 Preparation Complete (including approval of SI SIT Component Integration Test Readiness Report) | 23-Oct-23 | 23-Oct-23 | Green | Yellow | Yellow | Currently monitoring risks related to Core Capability Providers' readiness for early SIT CIT intervals |
| T2 | T2-DB-0100 | Central Systems & Registration Services design assurance (excluding Migration / Reverse Migration) complete | 27-Oct-23 | 27-Oct-23 | Green | Green | Green | Cohort 1 initial design assurance meetings are complete, Cohort 2 have started. Follow-up meetings will be prioritised on a risk basis |
| T3 | T3-TE-0060 | Component Integration Testing Interval 1 Start | 30-Oct-23 | 30-Oct-23 | White | Yellow | Yellow | Currently monitoring risks related to Core Capability Providers' readiness for early SIT CIT intervals |
| T1 | T1-TE-1000 | System Integration Testing Start (M9) | 30-Oct-23 | 30-Oct-23 | Yellow | Yellow | Yellow | Currently monitoring risks related to Core Capability Providers' readiness for early SIT CIT intervals |
| T1 | T1-CP-2000 | Control Point 2 - Start of Integration & Test (incl. Control Point Report approval) | 30-Oct-23 | 30-Oct-23 | Green | Green | Green | Control Point 2 review will be conducted in support of M9 decision at PSG |

SASWG ToR Approval

DECISION: Decision on approval of the SASWG Terms of Reference

Programme (Chris Welby)

5mins



SASWG Terms of Reference

Settlement Analysis Scoping Working Group (SASWG) Terms of Reference (Level 4 Working Group)

The SASWG Terms of Reference (“ToR”) sets out the role, membership and mode of operation.

SASWG Role Scope

The SASWG is established as a Working Group under the existing MHHS Programme Steering Group (PSG).

The SASWG’s role is to:

- Facilitate discussion and recommendations to identify which areas Industry should investigate when assessing the impact on settlement of moving from current arrangements to new MHHS processes.
- Facilitate discussion and recommendations to ultimately deliver CR013 (Determining scope of Examination of Settlement Impacts resulting from MHHS Programme).
- Ensure that the final outputs of this group have had sufficient cross-constituency input and discussion.
- Provide a forum for Programme and Industry participants to review and discuss the deliverables produced by this group before they are sent to PSG for final review and approval.

Note that it is not the role of the SASWG to:

- Undertake any of the settlement analysis itself;
- Raise or approve any ensuing draft Change Requests.

SASWG Objectives

- The SASWG’s objective is to ultimately deliver CR013 (Determining scope of Examination of Settlement Impacts resulting from MHHS Programme).
- The delivery of CR013 will require, at a minimum, the production of a report that sets out the scope, approach, timescales, cost and resource requirements for the subsequent analysis. This should resemble a Project Brief.
- There is also a possibility that a draft of the subsequent Change Request(s) that will detail the undertaking of the settlement analysis itself may be required to be delivered. However, whether or not this/these is/are required will depend on the information that emerges throughout the delivery of CR013 and whether the subsequent phase of work is likely to take place.
- All deliverables which are produced will need to go to PSG for final approval.

Decision Making

The SASWG has no formal decision-making powers. Instead, Programme and Industry participants will use the SASWG meetings to strive to reach consensus on areas of discussion and these agreed options will feed into the final report and possible subsequent draft Change Request(s).

Deliverables will then be fed upwards through the governance chain to PSG. PSG members will then use said deliverables to inform the collective decision that they make on next steps regarding the subsequent phase of work.

Membership

- Chris Welby (Chair)
- Sean Tuffy (Meeting Delivery)
- MHHS Programme SMEs
- MHHS Programme Participants

The SASWG meeting is open to all, although SASWG attendees should have trading, forecasting and/or settlement expertise.

Member Roles and Responsibilities

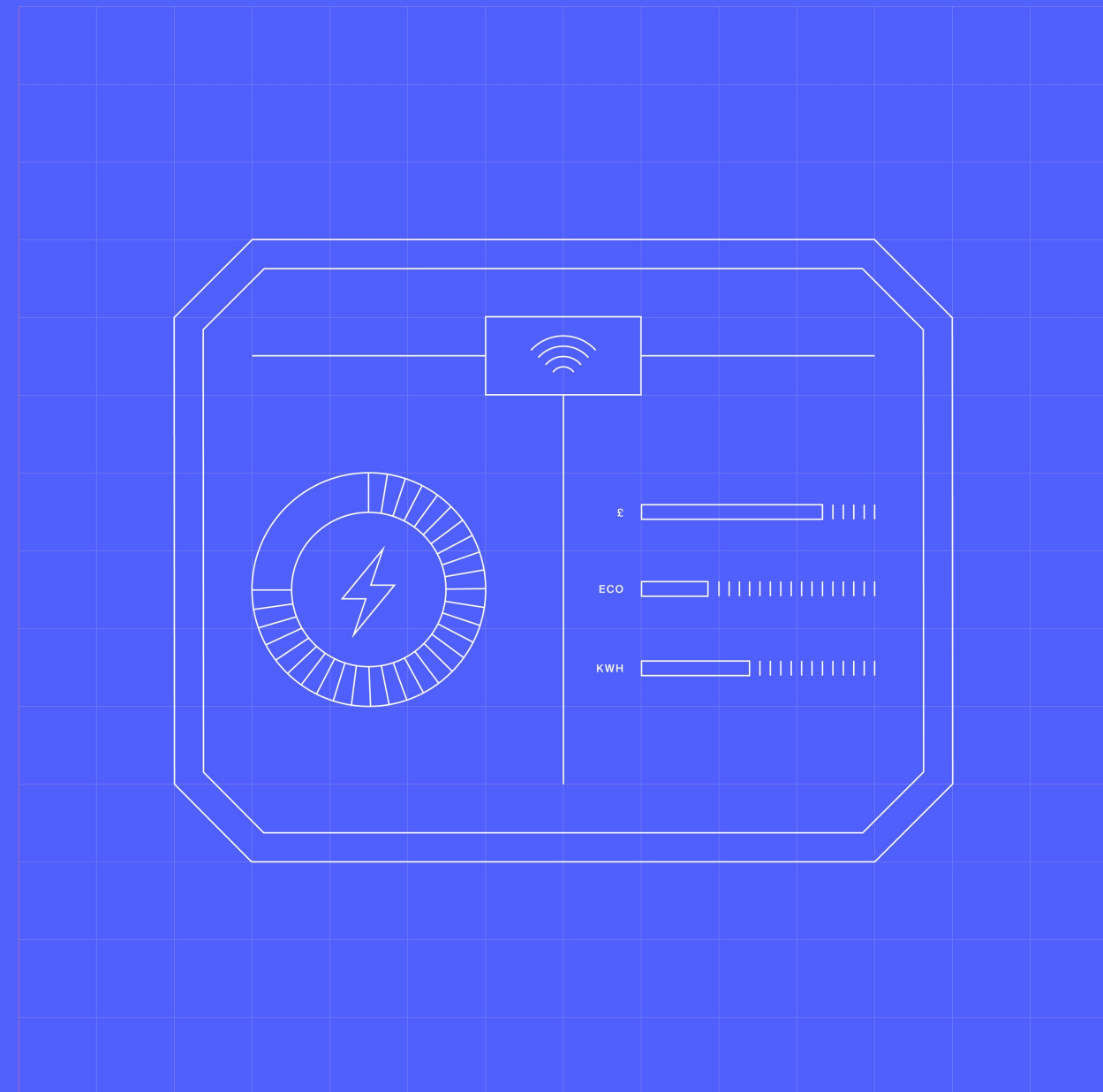
- Chris Welby will chair meetings and will approve readiness of deliverables for PSG submission.
- Sean Tuffy will provide all meeting management services.
- MHHS Programme SMEs will support with presentation of specific agenda items.
- SASWG attendees will review relevant papers and actions prior to meetings and will attend meetings with relevant updates or discussion points.
- SASWG members will be expected to actively participate in the sessions which will include reviewing and providing feedback on the final report and the possible draft of the subsequent Change Request(s) that will detail the undertaking of the settlement analysis itself. This is likely to include completing tasks and actions outside of the SASWG meetings.

Fast Track Design Update Process Review

DISCUSSION: Discussion on operation of new fast track design update process

Programme (Adrian Page)

10 mins



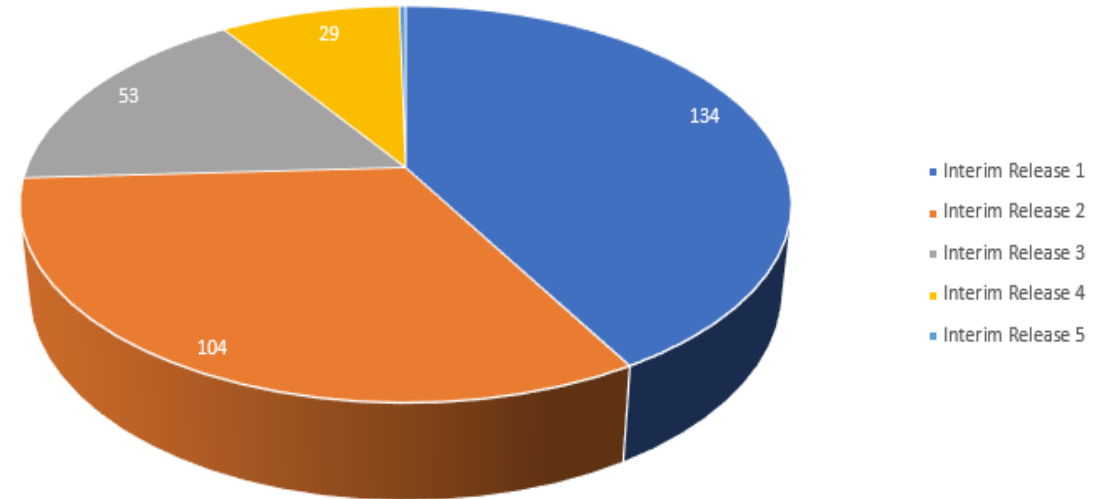
DIN - Fast Track Process

- Interim Release 1 successfully deployed on 14 June (134 DINs included)
- 1-1 sessions have been held with various constituency groups, including Large Suppliers, Supplier Agents, LDSOs, Cross-Code working Groups
- Session with the IPA on how the Fast-Track process was progressing 28 June
- 31 Objections raised against 26 DINs as part of Interim Release 2 on or before 23 June
- 104 DINs being taken forward as part of Interim Release 2 for deployment on 5 July

| Objection received from | Count | Status | Next Steps |
|-------------------------|-------|---|---|
| RECCo | 8 | 7 of the objections have been clarified and closed requiring no further action 1 being taken forward | DIN-094 has been removed from Interim Release 2 and is being taken forward to a DRG on 29 June meeting for further discussion |
| Helix | 6 | All were rejected as they were clarifications and challenges to their delivery drops. | Bilateral meeting took place with agreed way forward on all items |
| Callisto | 10 | All were rejected with further clarification provided to the raiser | No further action required |
| Power Data Associates | 6 | All rejected as there was a mixture of requests to see redlined versions ahead of implementation, requests to reopen previously closed topics | No further action required |
| EON | 1 | Withdrew objection following bilateral meeting | No further action required |

- 463 items on the DIN log
- 94 Closed
- 134 items deployed in Interim Release 1 on 14 June
- 104 items scheduled for deployment in Interim Release 2 on 5 July
- Forward-looking plan until Nov 23 issued to industry, including Objection Cut-off Dates

Total DIN by Release

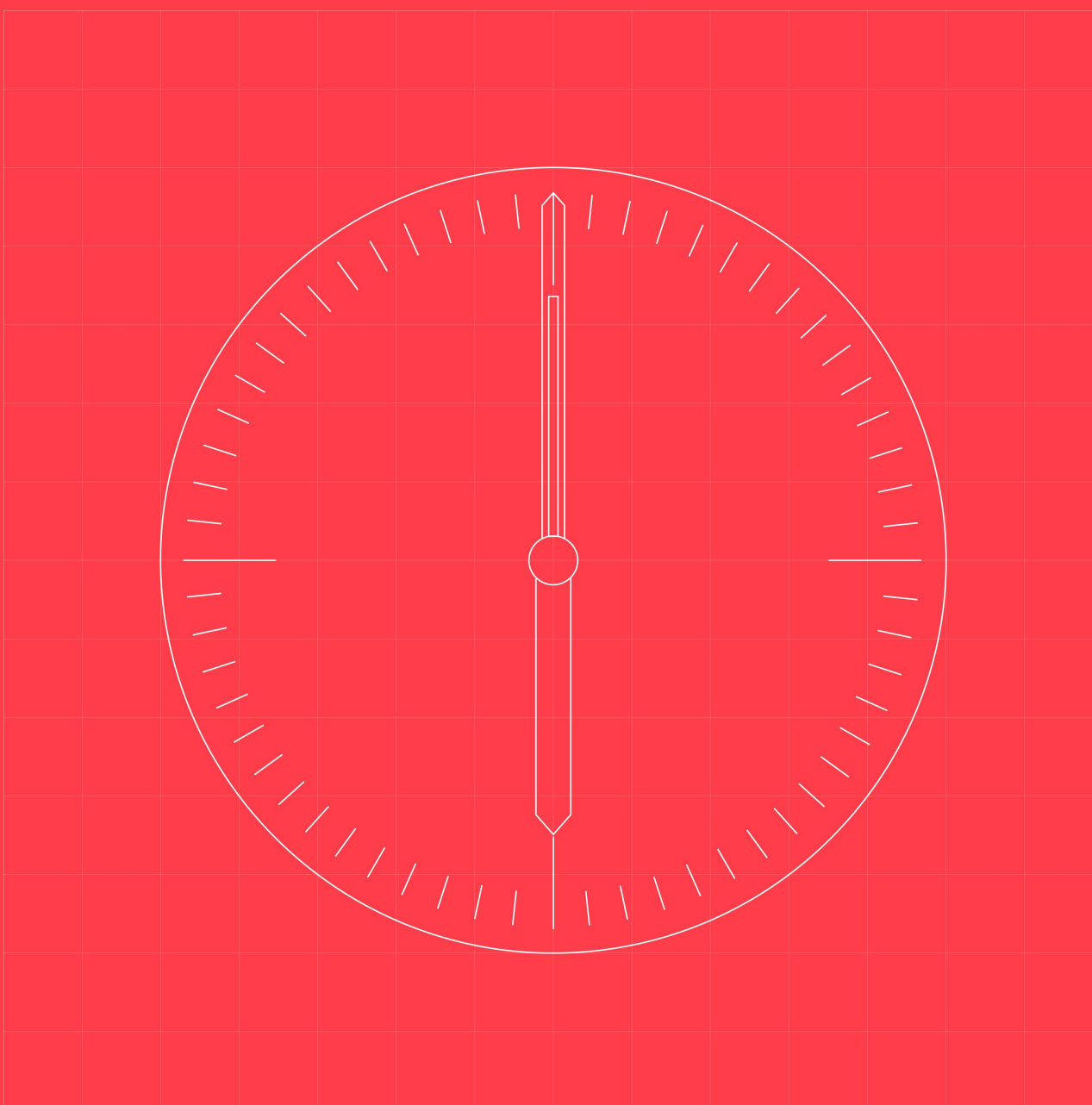


Core Capability Provider Update

INFORMATION: Updates from Core Capability Providers

Helix / DIP

15mins



| RAGs | Overall | Approach | Plan | Resources | Budget | Risk | Stakeholders | Suppliers |
|------|---------|----------|------|-----------|--------|------|--------------|-----------|
|------|---------|----------|------|-----------|--------|------|--------------|-----------|

| | | |
|------------------|--|--|
| Status & Outlook | Progress last month: <ul style="list-style-type: none"> 5 of 6 key DIP Design deliverables have now been approved: <ul style="list-style-type: none"> Environment Specification, Portal UI/UX Design, Security Management Plan, Requirements Traceability Matrix and Physical Architecture Design Approval pending for remaining 1 key DIP Design deliverable: <ul style="list-style-type: none"> Logical Architecture Build Sprints 3 and 4 completed, progressing in line with schedule Progress by workstream <ul style="list-style-type: none"> Delivery & Change – Impact Assessment of multiple changes Applications – GlobalSign backend feature, BFF integration Infrastructure – Non-Production Landing Zone build completion Security – ACAM API deployed & DevSecOps CI/CD integration Testing – Security Test Approach draft & start of in-sprint E2E test Service – Service Design Baseline sent for approval | Progress expected in the coming month: <ul style="list-style-type: none"> Immediate focus on securing approval for remaining 1 key Design deliverable to mitigate risk of rework and schedule impact: <ul style="list-style-type: none"> Logical Architecture Build Sprints 5, 6 & 7 to run through July (and beyond) Clarifications of Onboarding requirements ongoing along with approach to delivery of Interim Release 1 Workstream focus: <ul style="list-style-type: none"> Delivery & Change – Publish assessments for high priority changes Applications – MPAN routing, APIM developer portal work Infrastructure – Complete build for ACAM, Security Security – Ingress message signature verification build Testing – Finalize PIT Test Plan & Defect Management Approach Service – Complete AO/IO Service Acceptance Checklist |
|------------------|--|--|

| Party Milestones & Deliverables | Original or Baseline Date | Forecast date & RAG |
|---------------------------------|---------------------------|---------------------|
| Contract Signature | 21/11/22 | 20/01/23 |
| DIP 1 – Initialisation | 30/01/23 | 24/03/23 |
| DIP 2 – Design | 28/04/23 | 28/04/23 |
| DIP 3 – Build | 11/08/23 | 11/08/23 |
| DIP 4 – Test (PIT) | 27/10/23 | 27/10/23 |
| M9 – SIT start | 01/11/23 | 01/11/23 |

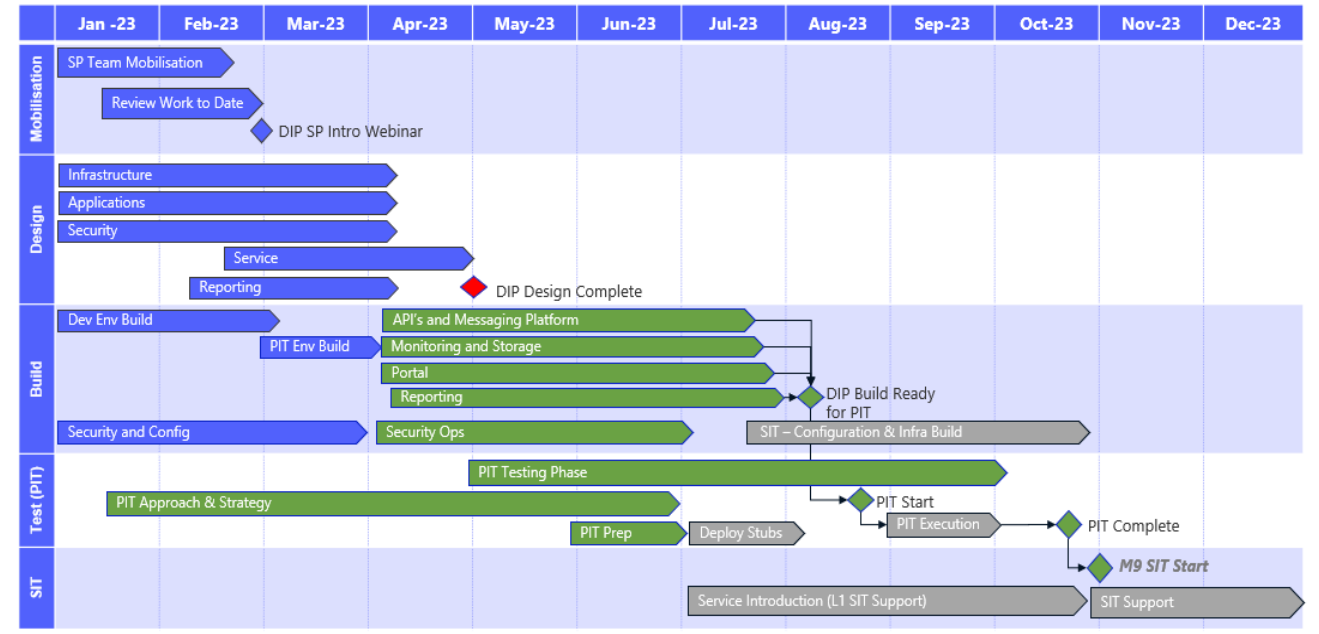
| Decisions required | From whom? | By when? |
|--------------------|------------|----------|
| None | n/a | n/a |

| Risk or Issue & RAG | Mitigating or resolving action required | Date for action to be resolved | Action owner |
|--|--|--------------------------------|------------------------------|
| Logical Architecture Design deliverable has not been approved and Build Sprint 5 has started | Progressing Build at risk in line with schedule. Define action(s) for approvals and prioritise resolution. | 30/06/2023 | Rob Golding (Paul Daniels) |
| Onboarding process yet to be finalized – risk to design validity and approvals, may lead to rework | Review requirements provided 30/05 and share impact assessment (schedule, effort, cost) for review | 30/06/2023 | Paul Brown (Richard Gwatkin) |
| Design and runtime risk arising from MPAN state rules based on TOM Functional Architecture | MPAN state rules (Business Logic) to be finalized and communicated for development | 30/06/2023 | Rob Golding (Lou Otway) |

| Assumption & RAG | Action required remove assumption | Date for action to be resolved | Action Owner |
|--|--|--------------------------------|--------------|
| DIP Build proceeding based on Architecture as documented | Final approvals for the Logical Architecture documents | 30/06/2023 | Rob Golding |

| Dependency & RAG | Managing action required | Date for action to be resolved | Action Owner |
|--|--|--------------------------------|------------------|
| GIVE: DIP PIT completion for CIT Entry | Extend initial discussions to Validate approach will be based on DIP plan with incremental releases (software and documentation) | 07/07/2023 | Smitha Pichrikat |

DIP Readiness for M9 – POAP



MHHS - Monthly Delivery Report [*Helix*]

Report Date: 27-06-23

Core capability provider
Helix

| RAGs | Overall | Approach | Plan | Resources | Budget | Risk | Stakeholders | Suppliers |
|------|---------|----------|------|-----------|--------|------|--------------|-----------|
|------|---------|----------|------|-----------|--------|------|--------------|-----------|

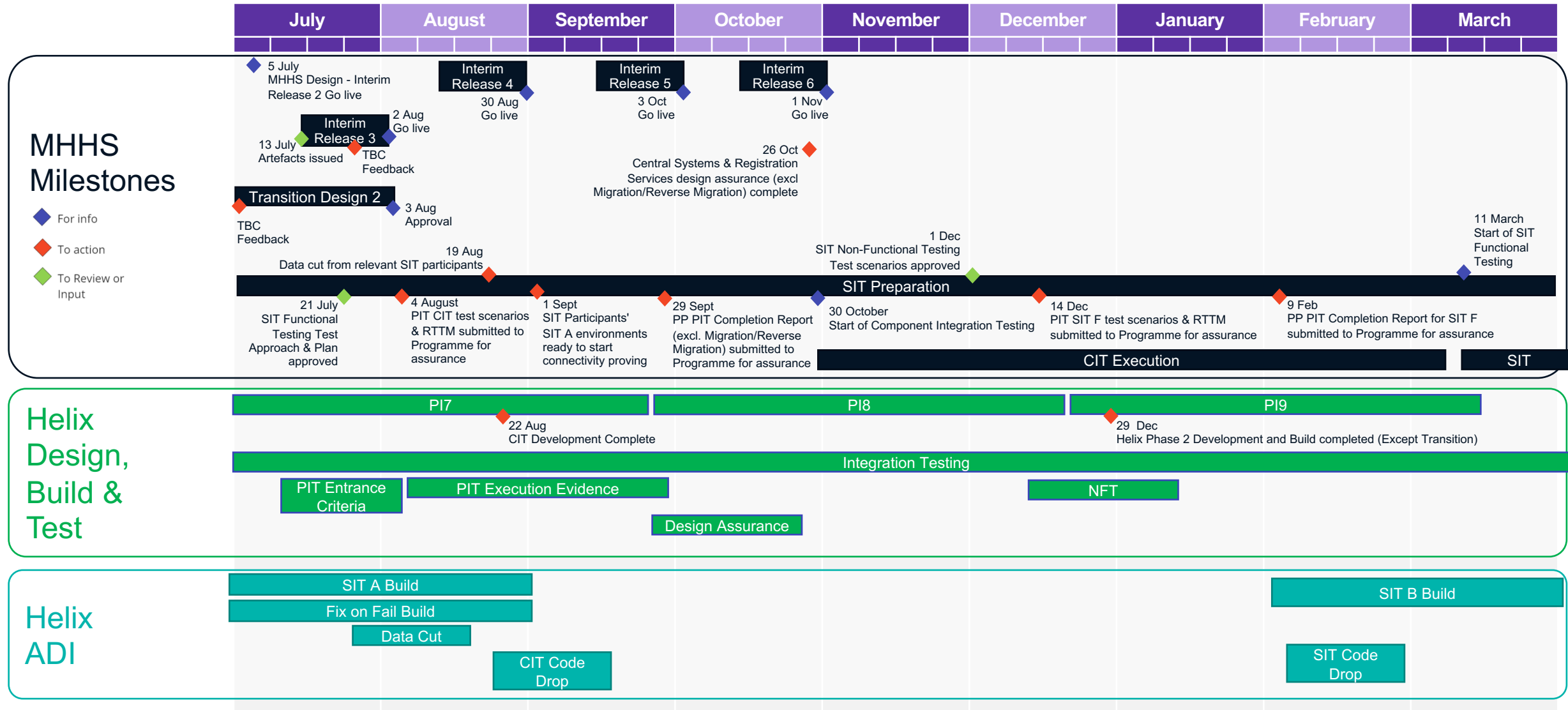
| | | | | | |
|-----------------------------|--|--|--|-----------------------|--------------------------------|
| Status & Outlook | Progress last month: | Progress expected in the coming month: | Party Milestones & Deliverables | R3 Target Date | Forecast date & RAG |
| | <ul style="list-style-type: none"> Multiple code drops agreed, still in discussion as to what the content of each drop, the first code release will be in August, to allow for PIT. PI 7 deliverables agreed based on interim release 1. Qualification approach and plan presented to REC PAB and approved BSC ode review continuing Completed integration testing for sprint 6.8 Commenced the second sprint of this delivery Reviewed interim release 2, there are 5 high impacting items which require further information and more analysis. Some of this is should be included in IR3. | <ul style="list-style-type: none"> Placing reliance applications through and being assessed Commencing PAF code drafting design and analysis Commence sprint 3 & 4 of development Work on agreeing what needs to be available for CIT. Continue with integration testing Continue preparation for CIT. | Delivery phase start | 20/04/22 | Complete |
| | | | Delivery phase ends (DBT End) | 29/09/23 | In Progress |
| | | | Industry phase starts (CI Starts) | 30/10/23 | Not started |
| | | | Target second code release for SIT | 30/01/24 | Not started |
| | | | Industry phase ends (SIT End) | 07/02/25 | Not started |
| | | | Helix changes go-live (M10) | 07/03/25 | Not started |
| | | | Transition phase starts (M11) | 04/04/25 | Not started |
| | | Transition phase ends (M15) | 05/10/26 | Not started | |

| Decisions required | From whom? | By when? |
|--|------------|----------|
| Incoming message size to the DAH to be agreed at 1MB Confirmation if Pattern A will cover all the out going messaging | | |

| Risk or Issue & RAG | Mitigating or resolving action required | Date for action to be resolved | Action owner |
|--|---|--------------------------------|--------------|
| If further changes occur this may impact the ability of the helix programme to incorporate change | Implementation of a MHHS programme change control process when changes are essential. | 28/06/23 | |
| With the changes to the interface design with the DIP this may impact the our ability to complete the interface build for industry testing | It has been assumed that Helix progresses with interim release 1 and not interim release 2 With the release of interim release 2 Helix there are a number of high impact changes on Helix which will be reviewed in detail on the release of the Red line version of the design. | | |
| If Helix are required to be involved in the on-boarding process of the participants this is likely to create additional work which is currently not within our plan as it is not currently with our scope. | This is being discussed with the DIP and MHHSP to understand the on-boarding process and Helix are currently reviewing a couple of Dip CR's to assess the impact | 28/06/23 | |
| If the support arrangements and testing schedule for industry testing are not available soon we may not be able to set these up in time for SIT | A number of documents have been released and these are being reviewed to understand the impact on Helix. | 14/07/23 | |
| The transition design artefacts were required before PI 6 to allow for an efficient incorporation into the design | The release of the initial transition deign in June is now being incorporated. The second tranche is still awaited although it | 28/02/23 | |

| Assumption & RAG | Action required to remove assumption | Date for action to be resolved | Action Owner |
|--|--|--------------------------------|--------------|
| SIT will commence at the end of October. | This can be achieved for CIT with the design interim release 1 and the current understanding of CIT based on the scenarios released. Helix are currently reviewing the content of Interim release 2 to understand the extent this can be accommodated. | 27/06/23 | |
| CIT Scope | It is assumed the scope of CIT has been defined within the scenarios and interfaces provided, and this will not change | 27/06/23 | |
| DI-015 update DIN 256 | It is assumed we can obtain the changes in the DIN by 28 June in order to incorporate this into sprint 3 if this does not arrive we will have an impact on the delivery. | 27/06/23 | |

| Dependency & RAG | Managing action required | Date for action to be resolved | Action Owner |
|--|---|--------------------------------|--------------|
| There is a requirement for mTLS functionality to be provided for security of inbound and outbound communication from the DIP this needs in place by end of July including the provision of certificates to enable Helix to deliver a functioning | It is understood the mTLS will be available in the simulators by the end of June, the date of their availability in the DIP is still to be confirmed. | 27/06/2023 | |

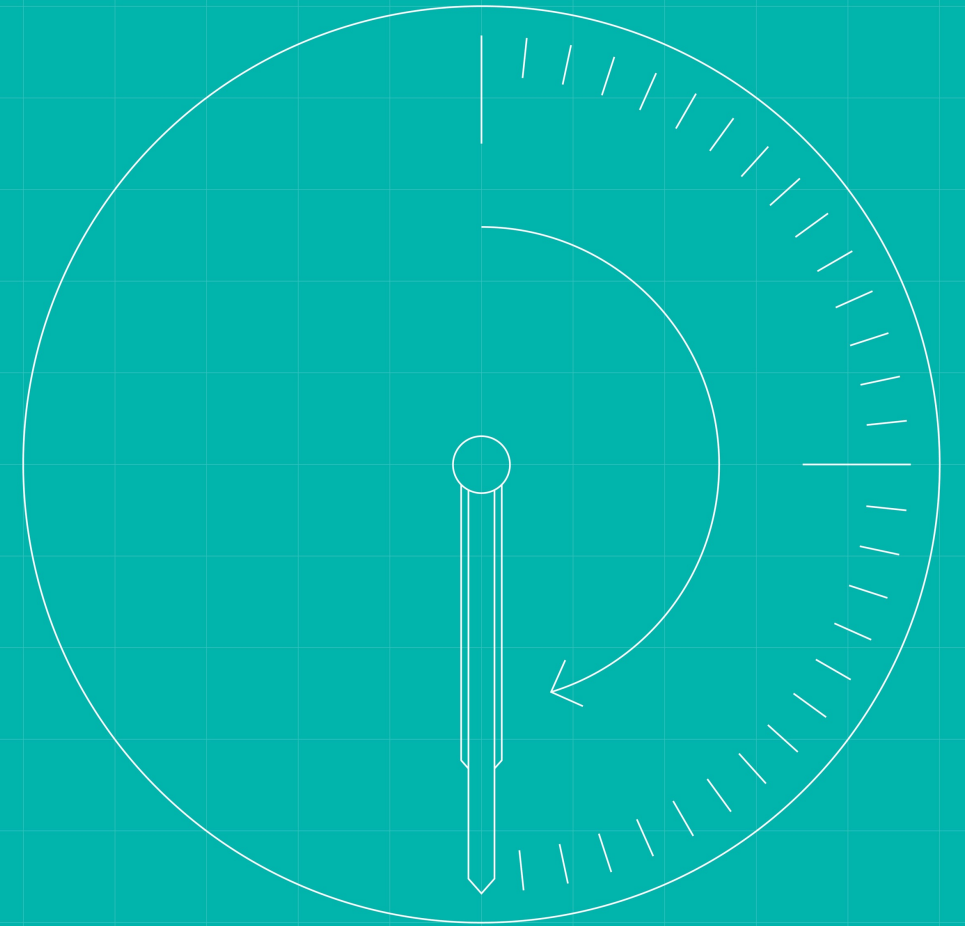


Delivery Dashboards

INFORMATION: Questions from PSG members on delivery dashboard content

Chair

10 mins



Delivery Dashboards Overview

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

Risk theme 1: Commencing and completing SIT as planned

RAID (1 of 4)
Updated to 27/06/2023

| Theme | Summary | Mitigation Approach Overview | RAG Status | |
|---|--|---|--------------|------------------|
| Commencing and completing SIT as planned | SIT success is reliant on (1) Core Capability Providers being ready, (2) sufficient volunteers being available to form and sustain a minimum viable cohort (MVC) through SIT, and (3) sufficient volunteers progressing through SIT to enable earliest migration | <ul style="list-style-type: none"> Design fast-track governance process implemented and SIT CIT test plan documents nearing industry approval. Follow-up Design Assurance meetings will now ensue for participants in SIT, prioritised based on apparent risk – followed by Delivery Assurance work to validate and monitor participants' DBT plans and delivery progress Early-phase SIT PPs will soon be due to submit their PIT plans and RTTMs for SI assurance | Previous RAG | Amber (22 Risks) |
| | | | Current RAG | Amber (17 Risks) |

| | | Key Risks | | | | | | | | | | | | | | | | Current score movement since last PSG | Mitigation Plan | | | | | | | | | | | | | |
|---------|---|-----------------------|----|----|----|------|----|----|----|--------|----|----|----|-----|----|----|----|---------------------------------------|-----------------|----|----|----|---|---|---|---|---|---|---|---|-----------|---|
| Risk ID | Risk Description | Risk Score Assessment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 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 | |
| R272 | There is a risk that Core Capability Providers may be late arriving into their CIT Interval | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | No change | <ol style="list-style-type: none"> Design, Delivery and Test Assurance + tracking of PPs on-time delivery of PIT plans, RTTMs FTIG (and PSG) monitoring of participants' delivery progress and managing of obstacles to readiness (inc. deep dives for those who are higher risk) Staggered approach Account management meetings |
| R273 | There is a risk that SIT MVC participants may have to be dropped from SIT participation prior to Component Integration Testing (CIT) commencement, if they have not reached a sufficient point of progress in their independent DBT activities, do not meet criteria for SIT entry OR decide not to participate after all | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | New item | <ol style="list-style-type: none"> Contingency in the list of expected SIT volunteers - need to target additional SIT participants where there is low contingency Set up of Fast Track Implementation Group (FTIG) - PPs reporting blockers Challenging plans via account management and bilaterals Delivery assurance of SIT volunteers and deep diving into certain responses Staggered approach |
| R331 | Analogous estimating has been used to assess the likely duration of SIT testing using FSP as a benchmark. There is a high degree of uncertainty over the accurate estimating of SIT duration which may be longer or shorter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | New item | <ol style="list-style-type: none"> The current duration has been sense-checked comparable with an implementation of this scale and complexity Detailed bottom-up estimates completed, based on coverage and scenarios produced over quarter following M5 design baseline. As SIT scope and scenario coverage is developed in SIT working group and approved by TMAG, estimates will be refined and validated Can assess post-test case creation (CIT and Sit Functional test cases authored and approved) |
| R432 | There is a risk that new Change Requests have a material impact on the baseline design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | No change | <ol style="list-style-type: none"> Manage Change Requests and understanding their impact on Design |
| R119 | There is a risk that participants may constrain testing by providing too few environments | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | New item | <ol style="list-style-type: none"> Environment approach and plan published specifying instructions for PPs - approved in February TMAG. This specifies environment approach parties to take and number of environments, but this cannot be enforced Monthly Environments Working Group (EWG) - standing item for PPs to raise concerns Monitoring each Test phase during SIT stages |

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

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

Document Classification: Public

Change Request Status

Change Control
Updated to 26/06/2023

| Ref. | Key Detail | Change Raiser(s) | Change Type | Latest Action | Approval Status | Current Stage in Change Control | Action If approved | Change Owner(s) If approved |
|-------|---|---|------------------------|--|-----------------|------------------------------------|--------------------|--|
| CR017 | LDSO Registration Service Dip messages processing times | Catherine Duggan, Electricity North West | Full Impact Assessment | See CR018 | Closed | See CR018 | | Smitha Pichrikat, MHHS Programme |
| CR018 | Registration Service Operating Hours | Ian Smith, MHHS Programme | Full Impact Assessment | Re-issued to Impact Assessment (closed 14/06/23) | Open | Awaiting DAG ex-committee decision | | Smitha Pichrikat, MHHS Programme |
| CR019 | Replacement of D0242/D0315 for MHHS | Peter Waymont & Neal Medley, Eastern Power Networks | Full Impact Assessment | Approved by DAG (12/04/23) | Approved | Implementation | | Ian Smith & Paul Pettitt, MHHS Programme |
| CR020 | Interim plan extension | Amy Clayton, MHHS Programme | Housekeeping | Change Board Approved (24/04/23) | Approved | Implementation | | Amy Clayton, MHHS Programme |
| CR021 | Update TMAG Terms of Reference to reflect option of meeting co-representation | Amy Clayton, MHHS Programme | Housekeeping | Change Board Approved (29/03/23) | Approved | Completed | TMAG ToR Updated | Amy Clayton, MHHS Programme |
| CR022 | MHHS Programme Re-plan | Lewis Hall, MHHS Programme | Full Impact Assessment | Ofgem Approved (08/06/23) | Approved | Implementation | | Giles Clayden, MHHS Programme |
| CR023 | Standardisation of Interfaces within the Smart and Advanced Data Services Roles | Haz Elmamoun, Engage Consulting | TBC | Issued to DAG members for comments before Impact Assessment (29/06/23) | Open | Returned to Change Raiser and LSC | | Paul Pettitt, MHHS Programme |
| CR024 | Data Item Names and Descriptions | Sarah Jones, RECCo | Full Impact Assessment | Issued for Impact Assessment (29/06/23) | Open | Issued for Impact Assessment | | Paul Pettitt, MHHS Programme |
| CR025 | DIP Interface Name Changes | Sarah Jones, RECCo | Full Impact Assessment | Issued for Impact Assessment (29/06/23) | Open | Issued for Impact Assessment | | Paul Pettitt, MHHS Programme |
| CR026 | Enhancements to the Change Control Approach | Alex Whiteman, MHHS Programme | Housekeeping | Awaiting validation | Open | Awaiting validation | | Lewis Hall, MHHS Programme |

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

| Core Capability Providers | Status | Comment |
|------------------------------|--------------|---|
| Elexon (Helix) | Amber | PIT exit for M9 remains achievable but with minimal contingency and increasing risk. There are concerns around Transition Design assumptions holding true and ability to implement DIN changes prior to M9 given limited contingency. |
| DIP | Green | Build is on track - note that 1 design document needs final approval. On target for CIT start date – need to agree how final PIT exit date fits into overall MHHS plan |
| LDSOs / (St Clements) | Amber | MPRS functional DBT plan has been confirmed as being able to accommodate phased SIT CIT start dates and SIT (F) start dates per proposed re-plan Planned schedule is tight with little contingency and scope of tests for CIT is under discussion. Plan review is being conducted |
| RECCo | Green | DBT plans for EES are on track to be ready for phased CIT |
| DCC | Amber | MP162, CSS changes and capacity upgrades on track. Ongoing discussion on risks relating to test environments, test data and governance steps. |
| ElectraLink | Green | No core design changes to the DTN. On track re minor changes for migration and consequential change. |
| LDP (SI) | Amber | Test data approach & plan being approved. Data cut & next steps being discussed with relevant parties. Delay in some test document deliverables to smooth out industry consultations and align to plan dates Short delay in the publication of the final CIT & SIT F test scenarios and test cases |

| Constituency | Number of PPs confirmed for SIT (FTIG attendees) | Market Roles | Number of Market Roles required for SIT MVC | Number of Market Roles confirmed for SIT | Names of Participants (RAG – Green = confirmed, Black = TBC) |
|---|--|----------------------------|---|--|--|
| Supplier / Independent Agent | 17 | Advanced Data Services | 2 | 9 | Callisto, Energy Assets ,IMServ, Itron, Kraken Data Services, npower Business Solutions, SMS, Stark, TMA |
| | | Smart Data Services | 2 | 9 | Callisto, Energy Assets, IMServ, Kraken Data Services, Procode, Siemens MAS, SMS, Stark, TMA |
| | | Metering Services Advanced | 2 | 10 | British Gas, Callisto, EdF, Energy Assets, E.ON UK Energy Solutions, IMServ, npower Business Solutions, Octopus Energy Services, SMS, Stark, Utilita |
| | | Metering Services Smart | 2 | 10 | British Gas, Callisto, EdF, Energy Assets, E.ON UK Energy Solutions, IMServ, Octopus Energy Services, OVO, SMS, Stark, Utilita |
| | | UMSDS | 2 | 2 | Power Data Associates, Tym Huckin Ltd |
| | | HHDC | 1 | 1 | Callisto |
| | | HHMOp | 1 | 2 | Callisto, npower Business Solutions |
| | | NHHDC | 1 | 1 | Callisto |
| | | NHHMOp | 1 | 2 | Callisto, E.ON UK Energy Solutions |
| Large, Medium, Small, I&C Supplier | 10 | Suppliers | 2 | 10 | British Gas, Belsize, E, Edgware, E.ON Next, Octopus, OVO, Rebel Energy, Unify Energy, Utilia |
| DNO, iDNO, LDSO | 2 | Network Operations | 1 | 2 | BUUK, SSEN |
| | | UMSO | 1 | 2 | BUUK, SSEN |
| Managed Service Providers | 3 | | n/a | n/a | C&C, ENSEK, EP Tech Solutions, ESG, Kraken, SeaGlass, Utiliteam, Procode |
| National Grid (ESO) | 1 | | 1 | 1 | National Grid (ESO) |

| RAGs | Overall | Approach | Plan | Resources | Budget | Risk | Stakeholders | Suppliers |
|------|---------|----------|------|-----------|--------|------|--------------|-----------|
|------|---------|----------|------|-----------|--------|------|--------------|-----------|

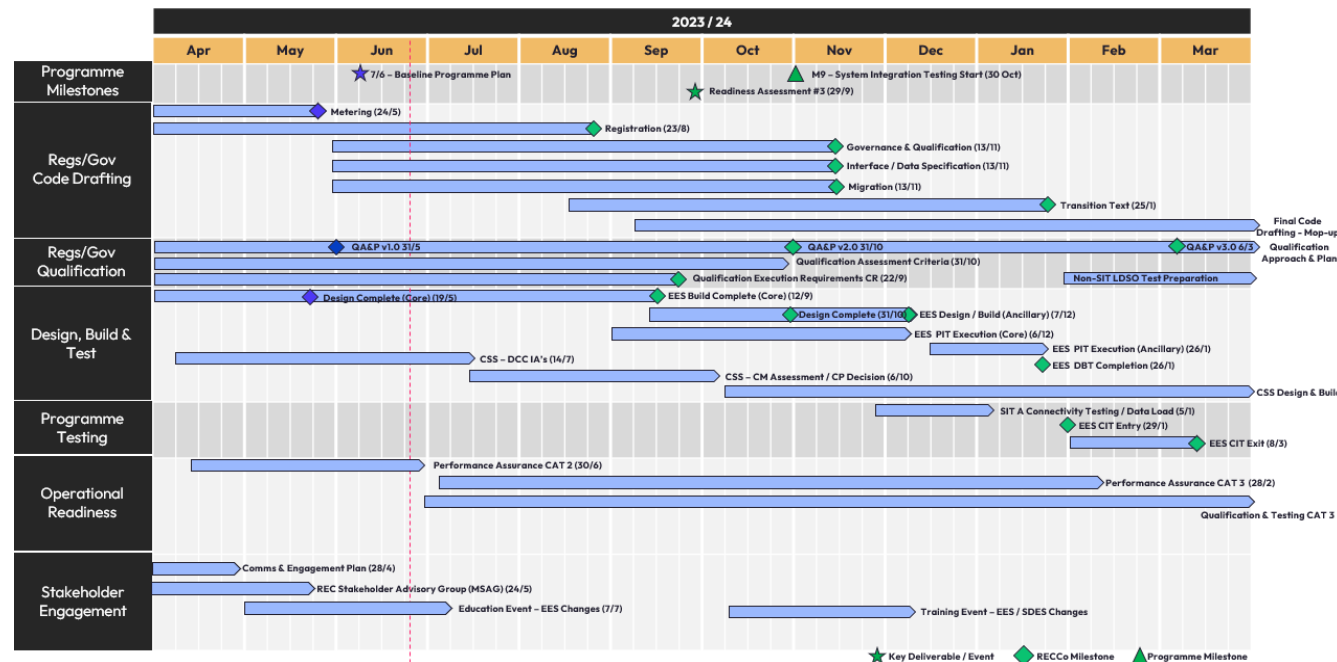
| | | |
|------------------|---|--|
| Status & Outlook | Progress last month: <ul style="list-style-type: none"> RECCo / C&C plans aligned to baselined plan following approval of CR022. Minor rescheduling of C&C tasks compared to previous plans, however C&C DBT for EES changes continues and remains on track for SIT. EES Functional Spec approved therefore achieving Core Design Complete milestone. Updates to Qualification Approach and Plan approved by PAB 30/5. Delivery of further iterations pushed back due to dependency on replanned SIT artefacts. Registration Code Drafting industry consultation complete. Proposal sent to CCAG to move Interface drafting industry consultation from 18 Aug to mid Oct – allows material design changes in July and August (inc. Migration) to be included | Progress expected in the coming month: <ul style="list-style-type: none"> EES Pre-Integration Testing Approach & Plan review Continued EES build and test activities Further prep and delivery of EES Education Event in July 2023 Replan Qualification Assessment Document delivery dates given change to dates for dependent SIT artefacts in baselined plan. |
|------------------|---|--|

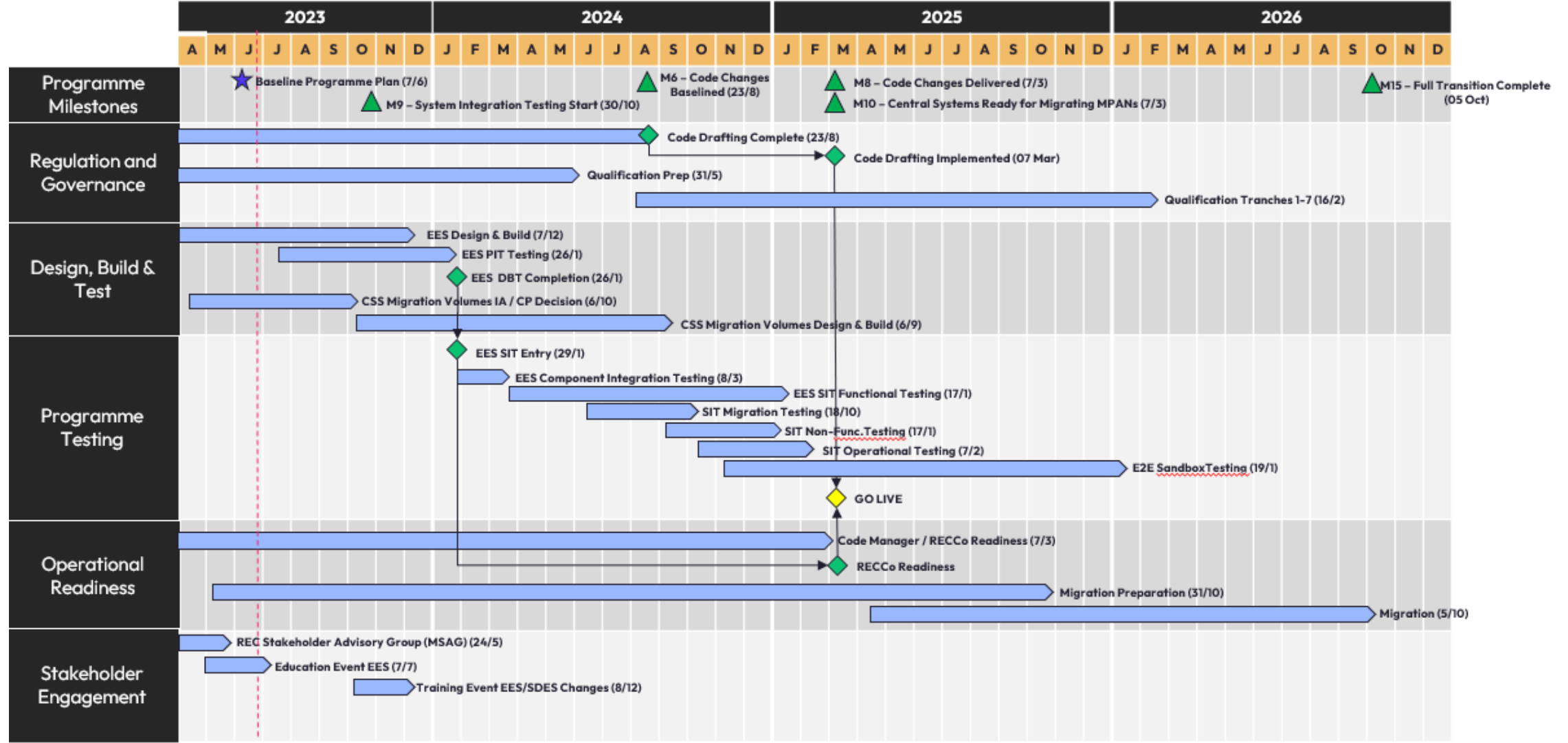
| Party Milestones & Deliverables | Original or Baseline Date | Forecast date & RAG |
|---|---------------------------|---------------------|
| EES Core Build Complete | 04/08/2023 | 12/09/2023 |
| Registration Code Drafting | 23/08/2023 | 23/08/2023 |
| EES Ancillary Design Complete | 05/09/2023 | 31/10/2023 |
| EES Ancillary Build Complete | 26/10/2023 | 7/12/2023 |
| Qualification Approach & Plan v0.2 Issued | 31/10/2023 | 31/10/2023 |
| Gov/Qual, Interface/Data, Migration Code Drafting – CCAG Approval | 13/11/2023 | 13/11/2023 |

| Decisions required | From whom? | By when? |
|--------------------|------------|----------|
| None | | |

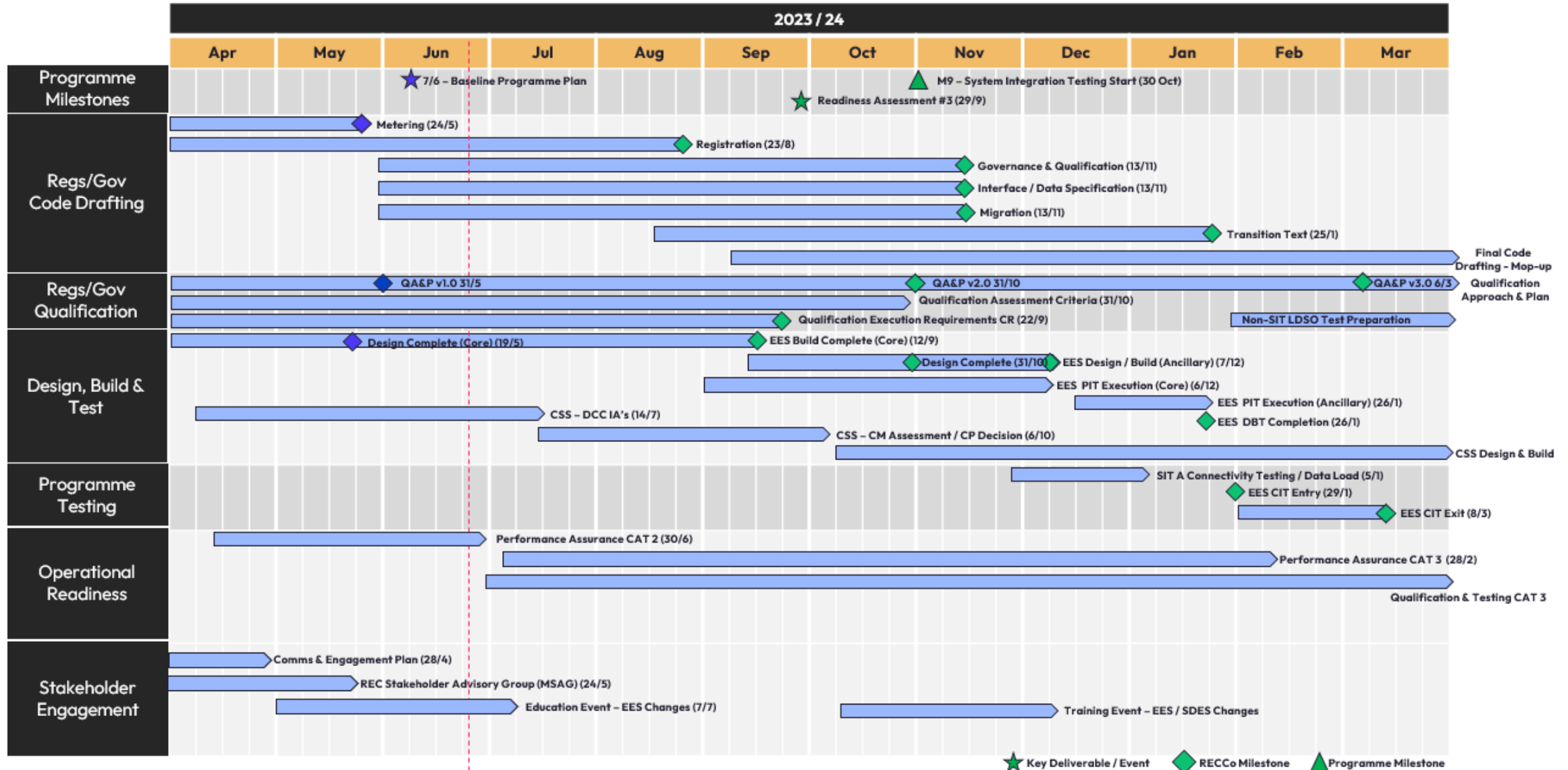
| Risk or Issue & RAG | Mitigating or resolving action required | Date for action to be resolved | Action owner |
|--|---|--------------------------------|--------------|
| There is a risk that issues with the MHHS design process prevent design issues being resolved and create issues in SIT and/or cause delays and reduced quality to code drafting. | Engagement with MHHS programme to highlight and attempt to resolve issues with design issues process and change control governance. | Jul '23 | Sarah Jones |

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





→ Critical Path ★ Key Deliverable / Event ◆ RECCo Milestone ▲ Programme Milestone



| Risk or Issue & RAG | Mitigating or resolving action required | Date for action to be resolved | Action owner |
|---|--|--------------------------------|--------------|
| 1.Alignment between DCC and the MHHS Programme on testing/environments has yet to be reached. (Above SEC Requirements) | Understand the exact requirements from the MHHS Programme and agree where DCC is required to support the Programme. | 31-08-23 | DCC/MHHSP |
| 2.Data-cut requirements are being investigated by DCC to support MHHSP SIT Functional Prep, but not fully understood or agreed yet. | Deep dives into specifics of data elements based on scope with MHHSP Data team in conjunction with CSS and DCC | 19/08/23 | DCC/MHHSP |
| 3.The MHHS Programme requires that stringent defect management timings are maintained for MHHS implementation. This does not align to existing DCC SEC implementation processes. | Continue discussions with Elexon to understand the gaps regarding timings by comparing known DCC processes against the Elexon Testing Approach strategy. | 14/03/24 | DCC/MHHSP |
| 4.Elexon require continuing availability of DCC UIT-B environments (SEC/REC) beyond the June 2024 SEC System Release date (27th June 2024). This has not been agreed with DCC via the proposed combined Governance framework and has resource, cost and environment implications as yet un-estimated. | Obtain baselined dates from the Elexon Programme, against which DCC can plan, cost and inform its SP's and Elexon on approach to support. | 27/06/24 | DCC/MHHSP |

| RAGs | Overall | Approach | Plan | Resources | Budget | Risk | Stakeholders | Suppliers |
|------|---------|----------|------|-----------|--------|------|--------------|-----------|
|------|---------|----------|------|-----------|--------|------|--------------|-----------|

| | | | | | | | | |
|----------------------|---|--|--|--|--|--|--|--|
| Status Update | <p>ElectraLink updates for July 5th PSG:</p> <ul style="list-style-type: none"> ElectraLink is progressing with required changes to DTN Flows as per MHHS requirements. ElectraLink is actively engaged with the MHHS Programme by participating in the Systems Integration Test Working Groups (SITWG), Data Working Group (DWG), Design Advisory Group (DAG), fortnightly sessions with the programme and Webinars. No risks, issues or dependencies are to be reported. | | | | | <p>Milestones and Deliverables:</p> <ul style="list-style-type: none"> No milestone or specific deliverables have been identified. There are no specific deliverables to be reported. | | |
|----------------------|---|--|--|--|--|--|--|--|

| Decisions required | From whom? | By when? |
|--|---------------------------|-------------------|
| Testing flags to be used by the Programme to be confirmed. | Programme and ElectraLink | DTN testing start |
| Changes to the DTN flows to be confirmed | Programme | DTN testing start |

| RAID | Mitigating or resolving action required | Date for action to be resolved | Action owner |
|--|---|--------------------------------|--------------|
| Assumption – SIT will commence at the end of October 2023 | | 31/10/2023 | |

| Dependencies | Managing action required | Date for action to be resolved | Action Owner |
|---|--------------------------|--------------------------------|--------------|
| No Dependencies to raise beyond the decisions raised above. | | | |

| RAGs | Overall | Approach | Plan | Resources | Budget | Risk | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|--------------------------------------|-----------------------------------|-------------------|--|--|--|--|---|--|--|--|--|--|--------------------------------------|--|--|--|--|--|
| Status & Outlook Activities reported as progressed in June: <ul style="list-style-type: none"> Attended meetings, working groups & webinars Reviewed program documentation Provided feedback to the program Reviewed and updated internal plans and documentation Progressing/finalising DIP adapter procurement Review Data Cleanse, SIT, CIT Test Approach Documentation Input into CR018 change request & review MPRS 8.2 and MP RS 8.2.1 testing and applying to Production Review of DPIA Requirements for Data Cut Preparation for IPA Assurance activities and meetings Routes to Qualification – Clarification on scope of SIT/ non-SIT LDSO | Activities reported as expected to progress in July: <ul style="list-style-type: none"> MHHS Stage0 Implementation & Go-live. DBT1 – Requirements, Detailed design and solution delivery plan, Build. Procurement of all systems required for DBT1 (adapter, DNO systems). Data Cleanse plan review and include in delivery plan. Continue to review routes to SIT/ Qualification and dependencies, Design issue resolution. Continue to attend various MHHS Programme meetings; Review of artefacts. Progressing/finalise DIP adapter procurement | | DNO Key Milestones (in Round 3 plan) | Round 3 date & confidence level / RAG | Reasons for confidence levels | | | | | | | | | | | | | | | | | | |
| | For those intending to participate in Systems Integration Testing (SIT) | | | | | | | | | | | | | | | | | | | | | | |
| | Decisions to be made by DNOs | | | Impact of no decision | | | Decision by when? | | | | | | | | | | | | | | | | |
| | Confirm adapter provider and complete procurement | | | Impact on testing capabilities and delay in DBT decisions | | | 31/07/23 | | | | | | | | | | | | | | | | |
| Raise CR to challenge proposed design for internal UM SO/Net Ops flows to go via the DIP | | | All flows will end up going via the DIP. DNO's would incur additional charges for sending the flow, for no benefit to industry or the DNO's. | | | 28/07/2023 | | | | | | | | | | | | | | | | | |
| Clarify how Placing Reliance will work for DNO's during SIT MVC for Registration Services, Networks Operations, & UM SO roles. | | | Multiple volunteers & duplicated testing effort during SIT. Failure to qualify | | | 31/07/2023 | | | | | | | | | | | | | | | | | |
| Decisions required from the programme | | | Impact of no decision | | | Decision by when? | | | | | | | | | | | | | | | | | |
| Logistics of SSEN participation in SIT MVC, including SIT MVC approach for testing of DUoS, UM SO & DIP Adapters | | | DNOs unable to participate in SIT Failure to qualify | | | June 2023 | | | | | | | | | | | | | | | | | |
| CR017/CR018/CR019 | | | CR018 £multi-million cost impact CR019 DNO's unable to recover DUoS charges | | | 15/05/2024 15/05/2024 | | | | | | | | | | | | | | | | | |
| Design issue re requirement to route internal DNO interfaces via DIP (Registrations – LDSO; UM SO –LDSO) | | | Unnecessary Complexity, Cost, and Risk to programme delivery with no identified benefits. Knock on impact to Testing, Qualification and Code Drafting | | | 15/05/2024 | | | | | | | | | | | | | | | | | |
| Definition of "Network Operations" | | | Delays DNO's readiness to participate in SIT - Risks qualification failure for Network Operations | | | July 2023 | | | | | | | | | | | | | | | | | |
| Escalations (priority items for attention and support from the programme) | | | | | | Action by when? | | | | | | | | | | | | | | | | | |
| Test data request has been moved to Aug 2023, however there are no DPIA details or discussions ongoing. We cannot release this information until this has been agreed with our GDPR team | | | | | | June 2023 | | | | | | | | | | | | | | | | | |
| Clarification of Qualification testing requirements (non Registrations) | | | | | | ASAP | | | | | | | | | | | | | | | | | |
| Clarification of DNO to DNO processing via DIP (UM SO and LDSO processes) | | | | | | ASAP | | | | | | | | | | | | | | | | | |
| Responses required by MHHS Design team to queries raised | | | | | | ASAP | | | | | | | | | | | | | | | | | |
| Risks or Issues | | Impacts | | Opportunities to resolve and deliver as soon as possible | | | | | | | | | | | | | | | | | | | |
| Registration Operating Hours | | Significant cost/support impacts | | CR017/18 decision | | | | | | | | | | | | | | | | | | | |
| DAG approval of work off plan with large number of queries unresolved | | Design is baselined but is then undermined by large numbers of Change Requests | | Responses required by MHHS Design Team to queries raised | | | | | | | | | | | | | | | | | | | |
| Potential impact on DNO budgets dependant on Environment requirement and timescales. | | Potential under-recording of DNO cost impacts in the Programme benefits | | Require firm commitments on requirements for Environment requirements for Non-SIT LDSO testing. | | | | | | | | | | | | | | | | | | | |
| In relation to ongoing Programme discussions, further change may be required to Registration Systems | | This may impact the delivery timescales and potentially delay delivery | | Ongoing discussions on proposed changes, and a reasonableness approach adopted (potential change freeze) | | | | | | | | | | | | | | | | | | | |
| Swagger catalogue changes being made adhoc. | | Could cause Adapter/DNO Apps failures if flow names/content is changed without notification | | Improved Change management of data flows & increased communication around any proposed changes so impacts can be carried out by impacted teams. | | | | | | | | | | | | | | | | | | | |
| DNO Adaptor status | | | | | | Decision to use an adaptor | | | | | | Functional scope of adaptor agreed | | | | | | Adaptor procurement completed | | | | | |
| Yes 6 | | | | | | MPRS only | | | | | | Wider 6 | | | | | | In Progress | | | | | |

| RAGs | Overall | Approach | Plan | Resources | Budget | Risk | | | | | | | | | | | | | | | | | |
|---|--|---|--|---|--|--|--|-----------------|--------------------------------------|--|--|---|--|--|--|--|--|---|---|--|--|--|--|
| Status & Outlook | Activities reported as progressed in April: <ul style="list-style-type: none"> Completed Delivery Assurance Questionnaire. Completed BSC Qualification Survey. Reviewed the SIT Component Integration Testing (CIT) Test Approach & Plan and the SIT CIT Test Data Approach & Plan. Further review and response to amended CR018. Reviewed and submitted response to the Design Assurance questionnaire Progressed optional DIP messages within design. Reviewed updated DIP CoCo and PKI Policy documentation. Progressed IDNO collaborative testing proposals, under slightly amended testing arrangements. Monitored progress of LDSO DINs. | | Activities reported as expected to progress in May: <ul style="list-style-type: none"> Progress readiness for SIT. Continued review of draft Code changes. Continued monitoring of LDSO DINs progress, particularly CR018 and optional DIP messaging CR. Continued progress of IDNO placing reliance testing and complete commercials. Update internal Project Plans, in line with the recently baselined Programme Plan. Continue to review data cleanse and preparation requirements. | | IDNO Key Milestones (in Round 3 plan) | | Round 3 date & confidence level / RAG | | Reasons for confidence levels | | | | | | | | | | | | | | |
| | Decisions to be made by IDNOs | | | | | | Impact of no decision | | | | | | Decision by when? | | | | | | | | | | |
| | For those intending to participate in Systems Integration Testing (SIT) | | | | | | M9 - SIT CIT start | | | | | | 30-Oct-23 [0] High confidence [3] Medium confidence [2] Low confidence | | | | | | Placing Reliance policy has increased confidence score but timely decisions on outstanding CRs e.g. CR018 could cause delays in DBT. Commercials to be concluded on Collaborative Testing and Placing Reliance with Service Provider end June 2023. | | | | |
| Final commercials to be provided by Service Provider for Collaborative Testing and Placing Reliance. | | | | | | Indecision on which parties are participating in Collaborative Testing | | | | | | End June 2023 | | | | | | | | | | | |
| Ensuring all relevant systems are included in SIT qualification e.g. bespoke UMSSO service not covered off under Placing Reliance policy. | | | | | | Bespoke system will have to go through separate qualification. | | | | | | July 2023 | | | | | | | | | | | |
| Decisions required from the programme | | | | | | Impact of no decision | | | | | | Decision by when? | | | | | | | | | | | |
| Confirmation from Code Bodies that Service Provider can take members of INA and IDNO Community through test phases as collective. (meeting previously arranged but cancelled until MPRS environment issue sorted) | | | | | | IDNO community unable to progress to proposed testing plan. | | | | | | Confirmation from Code Bodies that Service Provider can take members of INA and IDNO Community through test phases as collective. (meeting previously arranged but cancelled until MPRS environment issue sorted) | | | | | | | | | | | |
| CR018 – <i>Registration Service Operating Hours</i> | | | | | | Additional delay to Registration system readiness. Additional cost. Additional resource for transition and enduring process. | | | | | | ASAP – impact to Programme readiness | | | | | | | | | | | |
| Clarifications on mandatory/optional DIP messaging – CR to be raised. | | | | | | Additional systems build to accommodate unnecessary flows. | | | | | | ASAP – impacting on our DBT | | | | | | | | | | | |
| Escalations (priority items for attention and support from the programme) | | | | | | Action by when? | | | | | | | | | | | | | | | | | |
| Clarity and resolution on the above | | | | | | ASAP – impacting our own DBT | | | | | | | | | | | | | | | | | |
| Risks or Issues | | Impacts | | Opportunities to resolve and deliver as soon as possible | | | | | | | | | | | | | | | | | | | |
| Continued changes to Design | | IDNOs unable to complete build | | Continued engagement with Programme to determine design | | | | | | | | | | | | | | | | | | | |
| Code drafting triggering a change to Design | | Delay to M9 | | Code drafting completed earlier | | | | | | | | | | | | | | | | | | | |
| For those intending to participate in non-SIT LDSO (qualification) testing | | | | | | Non-SIT LDSOs testing start (Functional / Migration / NFT / Ops) | | | | | | 02-Jul-24 [0] High confidence [2] Medium confidence [0] Low confidence | | | | | | Still some areas of uncertainty regarding non-SIT LDSO testing. | | | | | |
| M10 - readiness to support migration start, including Registration Services. Network Operators and UMSSOs | | | | | | 07-Mar-25 [0] High confidence [2] Medium confidence [0] Low confidence | | | | | | Dependent on completion of prior Programme milestones by all participants. | | | | | | | | | | | |
| IDNO Adaptor status | | | | | | | | | | | | | | | | | | | | | | | |
| Decision to use an adaptor | | Functional scope of adaptor agreed | | Adaptor procurement completed | | | | | | | | | | | | | | | | | | | |
| Yes [6] | | No [0] | | MPRS only [0] | | Wider [1] | | [0] In Progress | | | | | | | | | | | | | | | |

Overarching Costs for MHHS Central Parties FY 23/24

| Financial Measure | Apr-23 | May-23 | Jun-23 | Jul-23 | Aug-23 | Sep-23 | Oct-23 | Nov-23 | Dec-23 | Jan-24 | Feb-24 | Mar-24 | Total |
|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | £m | |
| MHHS Budget | £1.39 | £1.60 | £1.61 | £1.70 | £1.52 | £1.57 | £1.56 | £1.48 | £1.47 | £1.56 | £1.40 | £3.00 | £19.85 |
| MHHS Act/Forecast | £1.68 | £1.88 | £1.90 | £1.80 | £1.42 | £1.59 | £1.80 | £1.41 | £1.04 | £1.53 | £1.54 | £2.26 | £19.85 |
| DCC Budget | £3.41 | | £3.41 | | £3.41 | | £3.41 | | £3.41 | | £3.41 | | £13.64 |
| DCC Act/Forecast* | | | | | | | | | | | | | |
| Helix Budget | £2.40 | £2.40 | £2.40 | £2.40 | £2.40 | £2.40 | £2.40 | £0.48 | £0.48 | £0.48 | £0.48 | £0.48 | £19.20 |
| Helix Act/Forecast | £2.40 | £2.40 | £2.40 | £2.40 | £2.40 | £2.40 | £2.40 | £0.48 | £0.48 | £0.48 | £0.48 | £0.48 | £19.20 |
| RECCo Budget | £0.24 | £0.15 | £0.17 | £0.15 | £0.18 | £0.17 | £0.47 | £0.22 | £0.24 | £0.38 | £0.24 | £0.26 | £2.85 |
| RECCo Act/Forecast | £0.12 | £0.03 | | | | | | | | | | | £0.16 |
| Total Budget | £4.81 | £6.64 | £4.95 | £5.04 | £5.81 | £4.92 | £5.20 | £3.60 | £2.99 | £3.23 | £3.46 | £4.89 | £55.54 |
| Total Act/Forecast | | | | | | | | | | | | | |

Please note:

- MHHS: * = includes contingency.
- RECCo: include only 3rd party costs (do not include internal resources)
- DCC: financials being finalised alongside Service Providers

- *Note from DCC: DCC will share budget vs actual on a quarterly basis as the process of estimating does not yet allow a more granular level with it's Service Providers. Actuals will be shared when contractual milestones are met with DCC Service Providers and invoices paid, which align to DCC plan milestones, e.g. Completion of PIT/SIT.
- *Note: For reporting the total budget has been calculated with DCC's budget split monthly.

| Workstream | Progress | Next steps | | |
|-----------------------------------|---|---|---------------------------|--|
| | | What | Owner | By When |
| Design | 2000+ design query levels received to date: <ul style="list-style-type: none"> Low volume outstanding (Approx 50) Average response time in June for closed tickets is 5 days 464 items on the DIN log with 237 open entries, 134 were implemented on 14 June A new fast-track design update process was approved by PSG on 8 June | Continue to answer queries and monitor levels Where possible, address queries in bulk (e.g. ESG) | MHHS | Ongoing |
| | | Interim Release 1 successfully deployed, Interim Release 2 on target for release 5 July | MHHS | 5-July-23 |
| Design | Design Assurance <ul style="list-style-type: none"> Cohort 1 – Initial meetings with core participant has completed, further sessions are being planned Cohort 2 – the team has commenced the initial meetings with participants ahead of deep dive sessions in the coming months | Deep dive design session | CPPs | Aug-23 |
| | | | SIT volunteers | 30 July |
| Testing | SIT volunteers – MVC is established. Placing Reliance Policy version v0.6 issued and approved at REC & BSC PABs and TMAG. 19 Placing Reliance Proposals received and reviewed by Programme | Code Bodies review followed by bi-laterals with Participants through July and Aug with final decisions | SIT volunteers | 31-Aug-23 |
| Testing | Testing documentation in progress/published in last month: <ul style="list-style-type: none"> Overarching Test Data Approach & Plan – uplifted to v0.7 to align with 19th June Data Cut 2 Month Notification Component Integration Test Approach & Plan + associated Data Approach & Plan – Industry Consultation complete SIT - Functional Testing Data Approach & Plan + associated Data Approach & Plan | TMAG approval | TMAG | 19-Jul-23 |
| | | Assurance review Industry consultation Assurance review Uplift Scenarios to I/F Catalogue v5.2.1 | PPs PPs PPs MHHS | 30-Jun-23 07-Jul-23 28-Jul-23 28-Jul-23 |
| Testing | <ul style="list-style-type: none"> CIT test scenarios – Consultation comments addressed. Scenarios currently drafted against v5.0 of the I/F Catalogue. Test team will uplift Scenarios to I/F Catalogue v5.2.1 (the version aligned to Interim Release 2), in readiness for CIT commencement SIT Functional test scenarios – Consultation comments still under review. Intent is to complete comment review and then uplift to Interim Release 2 Design Baseline MHHS Programme Test Management Tool User Guide(v1.0) published (no consultation) | Conclude Industry Comment review + Uplift to Interim Release 2 | MHHS | 30-Sep-23 |
| | | | | |
| Testing | Test Data <ul style="list-style-type: none"> DPIA approach being worked through with Elexon 2 month notice issued to PPs Bi-laterals/focus calls by User Role – planned with PPs to discuss SI Data requirements following Data Cut Central test data storage (following data cut) and methods of data transfer being finalised Participants take data cut | Bi-laterals/focus calls by User Role | PPs | 19-Jul-23 |
| | | Data cut | PPs | 19-Aug-23 |
| Sims & Ems | All scope interfaces and reports are live - being accessed by 49 PPs. mTLS on track for release 30-Jun. Work starting on the uplift to IR1&2, on track for 11-Aug. | Further development to uplift following Design release 1 and 2 being issued | MHHS | 11-Aug-23 |
| Sims & Ems | Data generators live since 24th May 23. Implementation of an additional format of IF-021 (D0036) released 16-June-23 | Further development - complete | MHHS | 16-Jun-23 |
| Migration & Transition | Consultation responses currently being reviewed by the programme, assurance meeting to be held 7th July, ahead of final approval | Final document released for industry review TMAG Approval | MHHS | 19-Jul-23 |
| Migration & Transition | Migration volumes and planning NFRs reviewed in June MWG. | Further NFRs to be reviewed at July MWG, consultation to follow, prior to TMAG approval at August TMAG | MHHS | 16-Aug-23 |



Status Summary

- Registration consultation closed. Comments are being triaged and actioned
- BSC Central Services consultation is open and closing on 12/07
- Migration, Governance/Qualification and DCUSA Consequential Code Change Tranche 3 (on track)
- Interface/Data Specification Tranche 3 at risk due to Design updates (IR3, IR4)



July Deliverables

- Respond to all Registration consultation comments, publish and complete refinement assurance process
- Triage and action BSC Central Services consultation comments
- Continue Migration, Governance/Qualification and DCUSA Consequential Code Change delivery to agreed plan timescales
- Continue delivery of Interface/Data Specification and develop/agree new plan and delivery timescales



Risks

| # | Risk or Issue | Mitigation Plan | RAG |
|------|---|---|-------------|
| R485 | There is a risk that the Design or queries related to Design are not completed or provided in time and as a result do not provide the information required to enable Code drafting delivery | 1) Design process (DIN Process) set up to resolve Design queries 2) Amend Code Drafting Plan to accommodate outstanding Design areas | Medium Risk |
| R425 | R425 - Performance Assurance Regime for the TOM will not be delivered in line with Ofgem's Transition Timetable | 1) Delay Qualification consultation to post September. 2) BSC Qualification code text raised through BSC Mod process - descope approach. | Medium Risk |
| R355 | There is a risk that Programme testing (CIT/SIT) may identify changes to baselined code and require code updates and further code releases after initial code changes have been approved | 1) The CCAG has/will consider their approach to reviewing and updating code, should the design change e.g., maintaining working groups on stand-by 2) To ensure the change control process is followed correctly | Medium Risk |
| R402 | Ofgem designate code changes using their SCR powers rather than Smart Meter act powers, adds risk and dependencies on external party delivery | 1) Agree plan to ensure SCR powers don't delay M7/M8 2) Agree compressed SCR mod timescales to reduce timelines 3) Code Bodies follow MHSP/Ofgem SCR plan | Medium Risk |

| Drafting Milestones | Target date | Forecast date | Status |
|---|-------------|---------------|----------|
| Data Services approved at CCAG | 24/05/23 | 24/5/23 | Complete |
| Metering Services approved at CCAG | 24/05/23 | 24/5/23 | Complete |
| Interfaces/Data Specification approved at CCAG | 13/11/23 | 13/11/23 | Amber |
| Registration approved at CCAG | 23/08/23 | 23/08/23 | Green |
| Governance and Qualification approved at CCAG | 13/11/23 | 13/11/23 | Green |
| BSC Central Services approved at CCAG | 14/09/23 | 14/09/23 | Green |
| Consequential Change approved at CCAG | 25/10/23 | 25/10/23 | Green |
| Transition Text approved at CCAG | 24/01/24 | 24/01/24 | Green |
| Topic Area Mop Up approved at CCAG | 13/05/24 | 13/05/24 | Green |
| Finalise and consistency check approved at CCAG | 23/08/24 | 23/08/24 | Green |
| Code changes baselined (M6) | 23/08/24 | 23/08/24 | Green |
| Smart Meters Act powers enabled (M7) | 6/12/24 | 6/12/24 | Green |
| Code changes delivered (M8) | 7/3/25 | 7/3/25 | Green |

FTIG meetings

- Attendees – MHHS programme, IPA, CCPs and SIT volunteers
- Continued strong, positive & constructive engagement from attendees – 60 at the last session
- 10 new blockers at last session – all discussed and way forward agreed
- Recent key topics:
 - Design Artefact Interim Release content and required DIP simulator release
 - Example ISD files have been provided by Helix
 - Delivery Assurance Questionnaire - topics and timing
 - Smaller topics steered to relevant working group
- Next mtg of f2f – 7th July

SIT Outlook:

- SIT MVC in place with Placing Reliance Policy – 29 PPs
- Design & delivery assurance in progress
- Test assurance commencing in July
- MHHS providing PPs clarity on data cuts and subsequent actions
- Test consultations in progress. Have smoothed out most of the PP activity peaks. See Consultation Dashboard.
- Small delay in CIT test scenarios and test cases as address feedback comments and uplift to align to Interim Release 2. Knock on delay on SIT F test scenarios and test cases.

MHHS Programme

- IPA
- Avanade (DIP)
- BUUK Infrastructure
- C&C Group Holdings
- Callisto
- Centrica / British Gas
- Data Communications Company (DCC)
- E (Gas and Electricity) Ltd
- E.ON Next Energy Limited
- E.ON UK Solutions
- Edgware Energy
- Electralink
- Elexon Central Systems (Helix)
- ESG
- IMServ

Itron Metering Solutions (UK)

- Last Mile Electricity Ltd
- National Grid Electricity Distribution
- National Grid ESO
- Npower Business Solutions
- Octopus Energy
- OVO Energy
- Power Data Associates
- RECCo
- Siemens MAS
- SMS
- St Clements Services
- Stark
- TMA Data Management
- Tym Huckin Ltd
- Unify Energy
- Utilita
- Utilteam
- Wheatley Solutions

Design Advisory Group (DAG)

Updates from DAG 14 June 2023

1. **Transition Design:** The DAG approved the Tranche 1 Transition Design documents, which will now be baseline and subject to change control. The documents will be published to the Programme Collaboration Base and notice issued in The Clock.
2. **Change Requests 024 & 025: Interim Release 1:** DAG agreed two new changes requests (CRs), raised by RECCo, could be issued to Impact Assessment. The CRs were issued 14 June 2023 with response due by 17:00 28 June 2023.
3. **DIP Documents:** The DAG agreed a revised timeline for the approval of the Interface Code of Connections and PKI Policy documents. The documents will be reviewed at an assurance forum on 28 June 2023, and issued to the Dag for ex-committee approval thereafter.
4. **D-Flow and Interface Mapping:** The Programme have produced a mapping document to support understanding of how D-Flows are treated/changed/ not impacted by MHHS. The document will be issued for DAG consultation shortly.

DAG papers available [here](#)

Cross-Code Advisory Group (CCAG)

Update from CCAG 28 June 2023

1. **Code Drafting Plan:** The CCAG approved amendments the Code Drafting Plan. This proposed to consult on 11-Oct-23 rather than 18-Aug-23 to incorporate bulk of known interface related design changes. Interface replan proposal does impact Interface and BSC validation rules delivery but does not impact Governance and Qualification and Migration code drafting industry consultations planned for 18-Aug-23.
2. **Code Drafting Triage and Assurance Process:** The Programme provided an overview of Code Drafting Triage and Assurance Process.
3. **Reporting:** Updates on code drafting activities against approved code drafting plan, including updates on Registration and BSC Central Services consultation, and updates on Interfaces, Qualification, and Migration code drafting.
4. **Code Artefact Tracker:** A revised Code Artefact Tracker was presented. Changes included:
 - Code Text Change Log – map and manage any known/planned changes required to code text
 - Code Artefact Tracker – manage and control code artefacts
 - Decisions and Issues Log – track code drafting decisions and issues

CCAG papers available [here](#)

Testing and Migration Advisory Group (TMAG)

Update from TMAG 21 June 2023

1. **CIT Test Scenarios:** CIT Test Scenarios are forecast for 19 July 2023 TMAG approval.
2. **CIT and SIT Functional Test Approach and Plan:** There is a change in the delivery approach of the CIT Functional Test Approach and Plan, resulting in a new schedule for release of these deliverables.
3. **Overarching Test Data Approach and Plan:** v0.7 of the Test Data Approach and Plan has been sent to participants, now including 2 data cuts.
4. **Working Group Progress Updates:** Information about the changes from the initial version of the Qualification Approach and Plan were given.
5. **IPA Test Assurance for Period P1:** The overall plan for the periodic reports was presented. The P1 report is currently being conducted. The planning and mobilisation for the P2 will be starting within the next 2 weeks.
6. **Summary and Next Steps:** Participants raised queries about the following: visibility of an updated end-to-end Testing Integration Strategy; the Ofgem Migration Incentive Scheme; CIT Test Scenario updates ahead of the next TMAG meeting.

TMAG papers available [here](#)



Testing

- The PPC team are continuing to closely align with Testing as they produce a number of key deliverables over the coming months.
- Participants have seen an uptick in the number of documents for which they are asked to provide input and consultation on. The consultations dashboard has been received well by participants who are using it for short-term planning.
- Qualification route participants have raised issues around a large number of unknowns around Qualification still exist, mainly due to the final iteration of the QA&P not being scheduled until EOY.
- **Next Steps:** Continue to embed within Testing and ensure clear lines of communication to the Code Bodies.



Communication Channels

- The PPC team lead the organisation of the Open Day with over 200 participants joining both virtually and in person
- 90% of responses noted that the event was excellent / very good
- Sold out event, with approximately 100 external guests including speakers from Ofgem, PwC, Elexon & REC
- **Next steps:** Develop the Q&A ready for publication



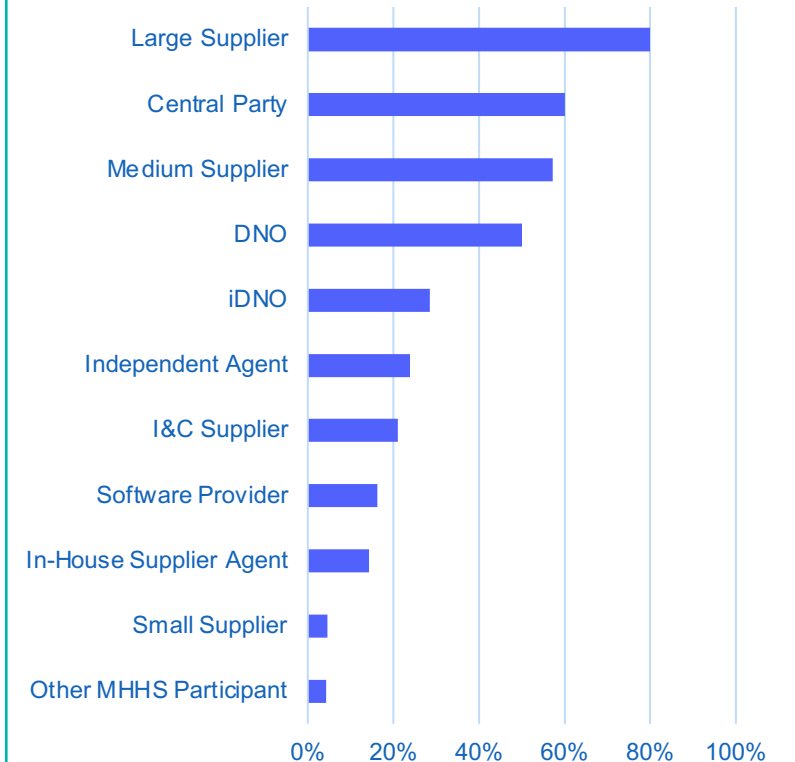
Participant Readiness

- The PPC team are supporting Design and Delivery assurance activities to ensure participants are engaged and well informed of the ask and how the Programme can help navigate their challenges.
- Planning for the September Readiness Assessment is underway.
- **Next steps:** Continue to support the Design and Planning teams with the bilaterals for the Assurance questionnaires

Participant Engagement by Constituency

The PPC team held **66** bilateral meetings with participants this month alongside other LDP members and the SRO. The chart below shows the percentage of these Participants in each Constituency that were met.

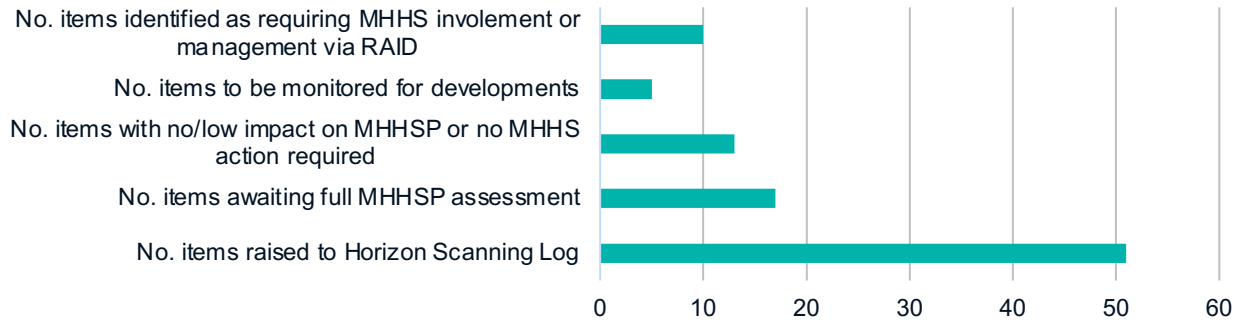
% Participants met, by Constituency



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

Horizon scanning metrics

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



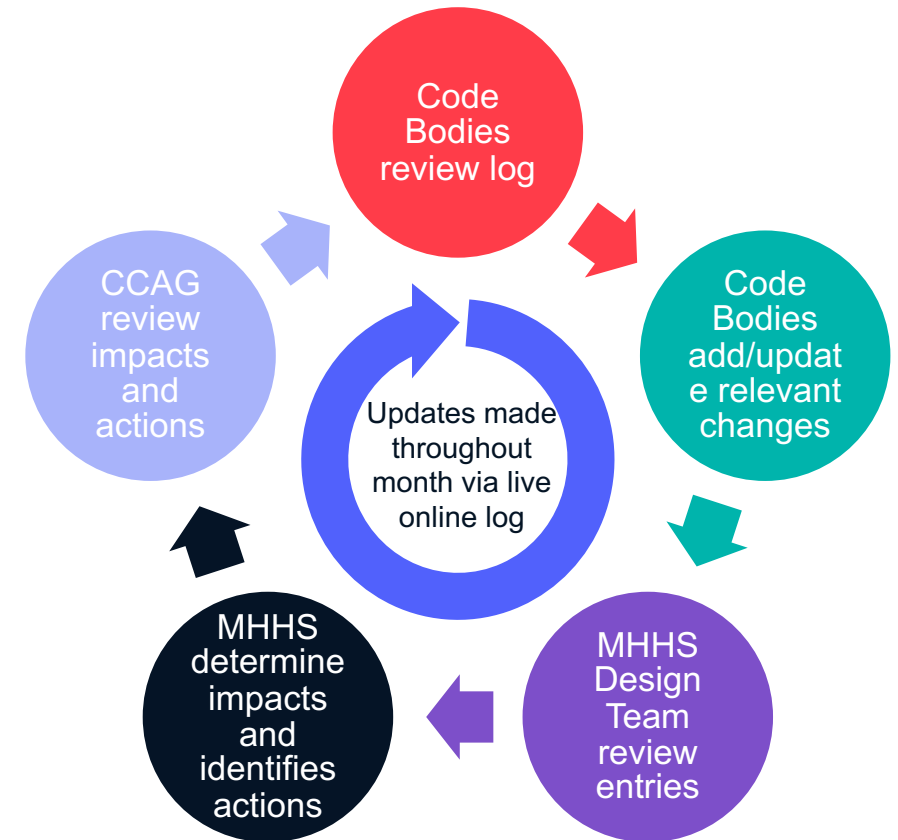
More information can be found via the [CCAG meeting papers](#)

Direct link: [MHHS-DEL387 CCAG Code Change Horizon Scanning Log v1.0](#)

- Industry code changes: 46** – REC: 25, BSC: 8, SEC: 4, DCUSA: 8, CUSC: 1
Wider industry changes: 5 – HH opt-out, DUoS SCR, code review, microbusiness definition, licence change
Criticality of horizon scanning items – High: 4, Medium to High: 3, Medium: 3, Low: 13
Top RAID linked items:
- **SEC MP162** (R0011, R0083, R0113, R0115, R0116, R051, R0182, R0191, D0076, D0077)
 - **BSC CP1558** (R0200, D0068)
 - **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.



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



Assurance Activities in Progress / Completed during month

Theme-Based Assurance

- **Ongoing Embedded Assurance Activities (WP1) - In Progress** - Monthly cadence of interactions with MHHS to support embedded assurance. Presented and hosted stall for MHHS Open Day.
- **MHHS Programme Plan (WP3) - Completed** - Plan baseline reported finalised and agreed actions will be tracked to completion via IPA action tracking process.
- **Design Documentation (WP4) - In Progress** - Monitoring design query management and the embedding of the Fast Track Design Update process.
- **Conflicts of Interest (WP 5) - In Progress** - Terms of Reference for IPA activities agreed and planning underway upcoming assurance activities.

Stage-Based Assurance

- **Test Assurance (WP9, 10, 11) - In progress:**
 - Field work for “Test Assurance Period 1” completed and reporting underway. Key themes and observations being shared and validated with relevant parties.
 - Planning for “Test Assurance Period 2” underway.



Upcoming Assurance Activities

- **Test Assurance WP9/10/11 -**
 - Assurance Period 1 Reporting summary will be shared in August PSG.
 - Assurance Period 2 activities to commence in July 23. Selected sample participants will be notified from w/c 24 July 23.
- **Revision of the Independent Programme Assurance Framework and assurance plan** - Being reviewed and updated following baselining of the Programme Re-plan



Assurance Action Status

Total agreed actions from IPA reports:

Complete
23

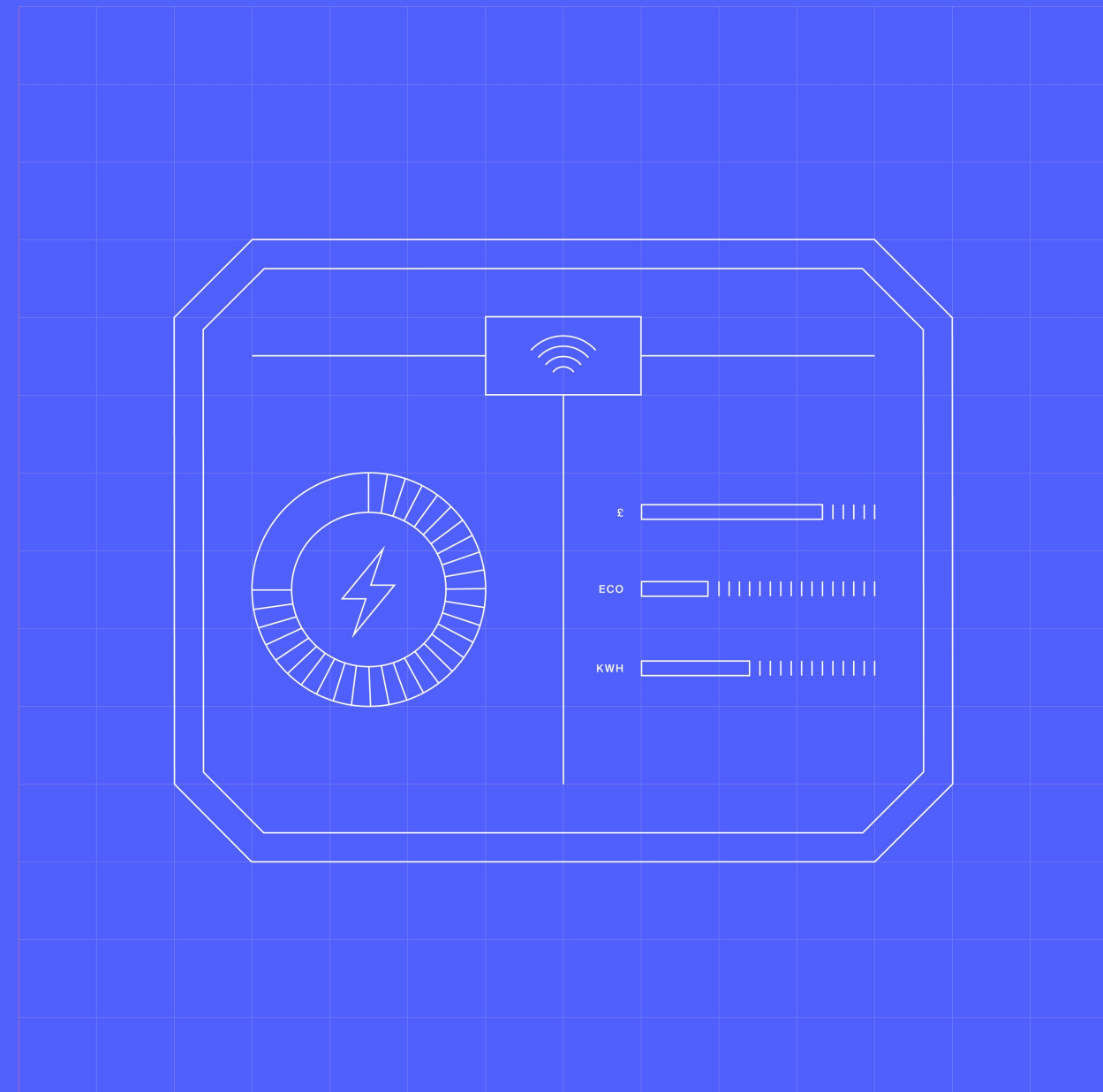
In progress
23

Summary and Next Steps

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

Chair and Secretariat

5 mins



Summary and next steps

1. Confirm actions and decisions from meeting
2. Next PSG meeting: **02 August 2023 10:00 – 12:00**

02 August 2023 agenda items

- Route to M9 sign off

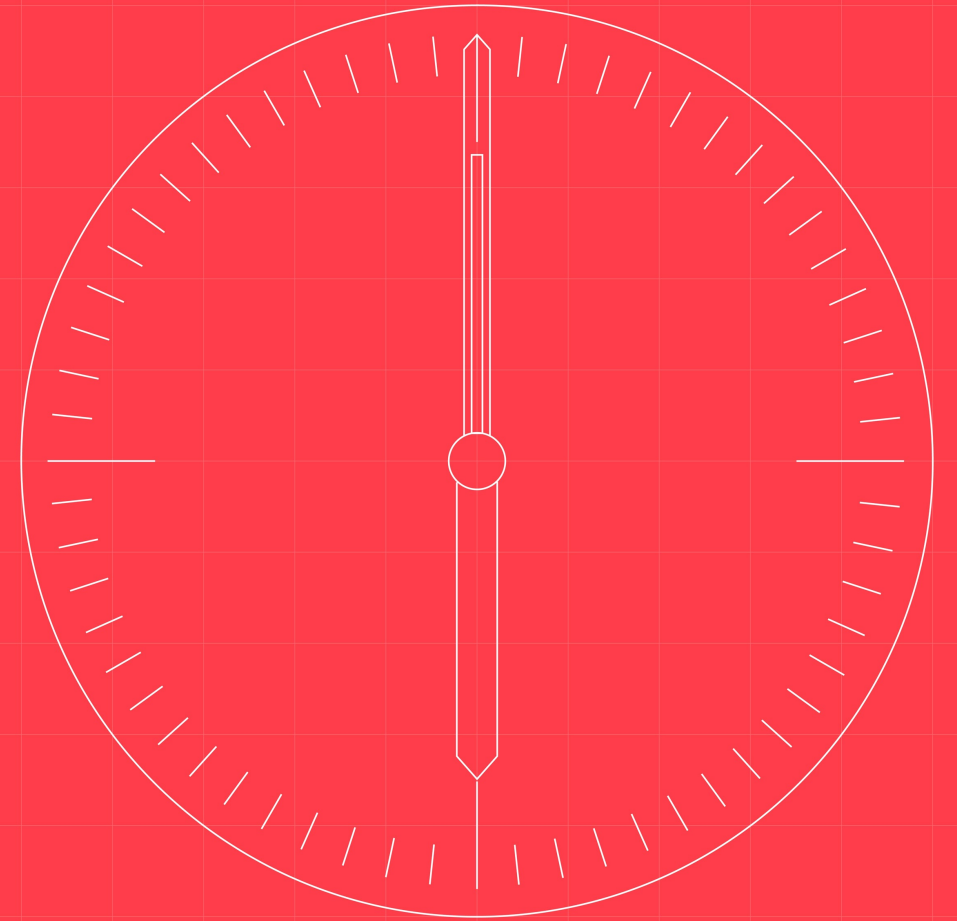
Standing items

- Minutes and action review
 - Sponsor update
 - 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

Appendix 1

- Look Ahead – Consultation Dashboard

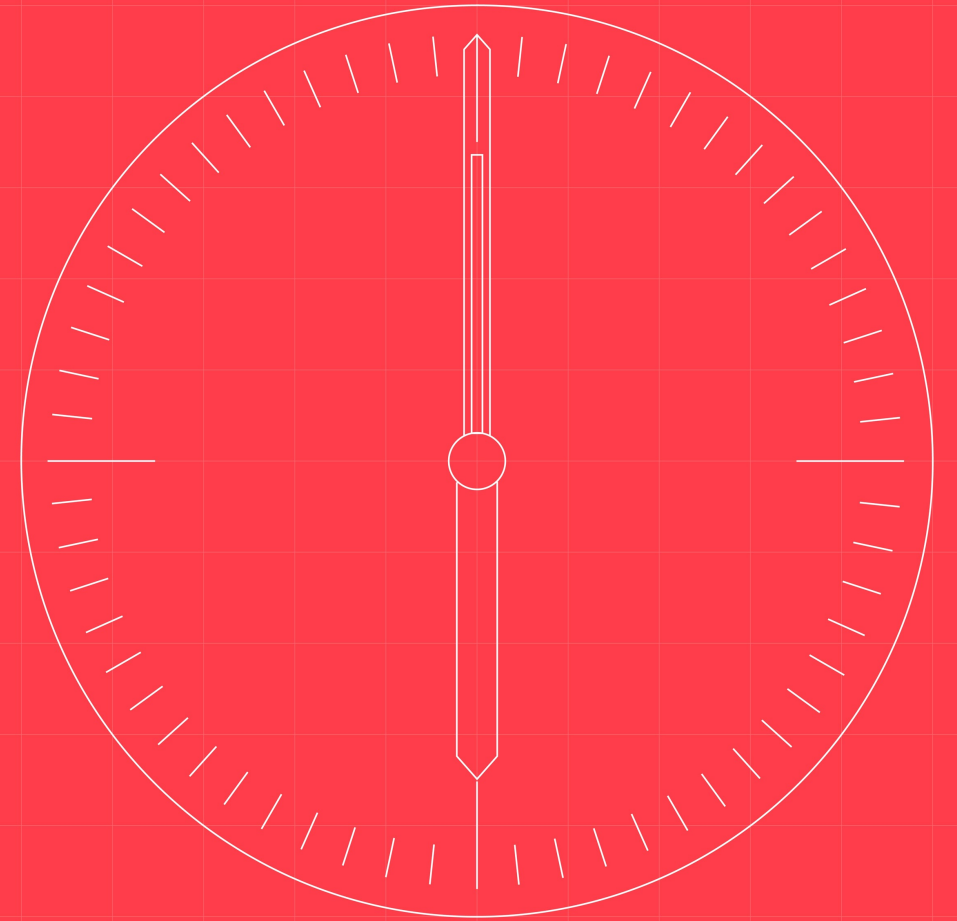


Look Ahead – Consultation Dashboard

| MHHS-DEL1165 Master Consultations Dashboard | | | | | | | |
|---|---|---------------|----------------|-------------------------|-------------------|-----------|----------|
| Workstream | Document / Artefacts | Working Group | Approval Forum | Consultation Start Date | Consultation Time | Due Date | Status |
| Code | Central Services (BSC) | CDWVG | CCAG | 21-Jun-23 | 15 Working Days | 11-Jul-23 | Live |
| FTIG | Delivery Assurance Cohort Two Questionnaire Issued | FTIG | N/A | 16-Jun-23 | 11 Working Days | 30-Jun-23 | Live |
| DIP | Interface Code of Connection & PKI Policy (Assurance) | SDWVG | DAG | 22-Jun-23 | 5 Working Days | 28-Jun-23 | Live |
| Code | Finalise and consistency (All Codes) | CDWVG | CCAG | Q2 2024 | 15 Working Days | 04-Jul-24 | Upcoming |
| Code | Topic Area Mop-up (All Codes) | CDWVG | CCAG | Q1 2024 | 15 Working Days | 08-Mar-24 | Upcoming |
| Code | Transition Text (REC & BSC) | CDWVG | CCAG | Q4 2023 | 15 Working Days | 03-Nov-23 | Upcoming |
| Code | Interfaces / Data Spec (Rec & BSC) , Migration (REC & BSC) and Qualification Governance (REC & BSC) | CDWVG | CCAG | 18-Aug-23 | 15 Working Days | 08-Sep-23 | Upcoming |
| Testing | SIT Functional Test Approach & Plan (Assurance) | SITWVG | TMAG | 28-Jul-23 | 5 Working Days | 04-Aug-23 | Upcoming |
| Testing | SIT Functional Test Data Approach & Plan (Assurance) | SITWVG | TMAG | 28-Jul-23 | 5 Working Days | 04-Aug-23 | Upcoming |
| Testing | SIT Functional Test Approach & Plan | SITWVG | TMAG | 07-Jul-23 | 10 Working Days | 21-Jul-23 | Upcoming |
| Testing | SIT Functional Test Data Approach & Plan | SITWVG | TMAG | 07-Jul-23 | 10 Working Days | 21-Jul-23 | Upcoming |
| Testing | SIT Component Integration Testing (CIT) Test Approach & Plan (Assurance) | SITWVG | TMAG | 30-Jun-23 | 5 Working Days | 06-Jul-23 | Upcoming |
| Testing | SIT Component Integration Testing (CIT) Test Data Approach & Plan (Assurance) | SITWVG | TMAG | 30-Jun-23 | 5 Working Days | 06-Jul-23 | Upcoming |
| Testing | Overarching Test Data Approach & Plan | DWVG | TMAG | 19-Jun-23 | 5 Working Days | 23-Jun-23 | Closed |
| Migration | Data Cleanse Plan (Review 2) | MWVG | TMAG | 09-Jun-23 | 10 Working Days | 23-Jun-23 | Closed |
| Testing | SIT Component Integration Testing (CIT) Test Approach & Plan | SITWVG | TMAG | 09-Jun-23 | 10 Working Days | 22-Jun-23 | Closed |
| Testing | SIT Component Integration Testing (CIT) Test Data Approach & Plan | SITWVG | TMAG | 09-Jun-23 | 10 Working Days | 22-Jun-23 | Closed |
| Code | Registration (REC & BSC) | CDWVG | CCAG | 31-May-23 | 15 Working Days | 21-Jun-23 | Closed |
| FTIG | Delivery Assurance Cohort One Questionnaire Issued | FTIG | N/A | 31-May-23 | 12 Working Days | 16-Jun-23 | Closed |
| Testing | SIT Functional Test Scenarios | SITWVG | TMAG | 15-May-23 | 10 Working Days | 30-May-23 | Closed |
| DIP | Code of Connection & PKI Policy Formal Review | n/a | DAG | 12-May-23 | 10 Working Days | 25-May-23 | Closed |
| Testing | Overarching Test Data Approach & Plan | DWVG | TMAG | 05-May-23 | 10 Working Days | 22-May-23 | Closed |
| Migration | Data Cleanse Plan (Review 1) | MWVG | TMAG | 04-May-23 | 10 Working Days | 19-May-23 | Closed |
| Migration | Migration, Data Strategy and Cutover | MWVG | TMAG | 04-May-23 | 10 Working Days | 19-May-23 | Closed |
| DIP | PKI Policy | n/a | DAG | 05-May-23 | 3 Working Days | 11-May-23 | Closed |
| DIP | Code of Connections Informal Review | n/a | DAG | 03-May-23 | 5 Working Days | 11-May-23 | Closed |
| Design | Amended Design Documents | n/a | DAG | 14-Apr-23 | 16 Working Days | 09-May-23 | Closed |
| Testing | SIT Component Integration Testing (CIT) Test Scenarios | SITWVG | TMAG | 17-Apr-23 | 10 Working Days | 02-May-23 | Closed |
| Design | Transition Design | MTDSG | DAG | 14-Apr-23 | 10 Working Days | 28-Apr-23 | Closed |
| Planning | CR022 Impact Assessment | n/a | Change Board | 06-Apr-23 | 13 Working Days | 26-Apr-23 | Closed |
| Testing | Placing Reliance Policy Part 2 | SITWVG | TMAG | 31-Mar-23 | 7 Working Days | 11-Apr-23 | Closed |
| Testing | Qualification Approach & Plan | QWVG | TMAG | 28-Mar-23 | 9 Workings Days | 11-Apr-23 | Closed |
| Testing | Placing Reliance Policy Part 1 | SITWVG | TMAG | 09-Mar-23 | 4 Working Days | 14-Mar-23 | Closed |
| Code | Data Services (BSC) and Metering Services (REC) | CDWVG | CCAG | 14-Feb-23 | 20 Working Days | 13-Mar-23 | Closed |
| Design | Migration Design | MTDSG | DAG | 14-Feb-23 | 10 Working Days | 24-Feb-23 | Closed |

Appendix 2 and 3

- MHHS-DEL171 Change Control Approach v1.2
- MHHS-DEL1368.CR026 – Enhancements to the Change Control Approach



Appendix 2 and 3 – Enhancements to the Change Control Approach

Change Control Enhancements

- The Programme has made some enhancements to the existing Change Control Approach to incorporate feedback received from industry and to provide further clarity on various aspects of how the process works.
- A Housekeeping Change has been raised to ratify these changes and following PSG these updated documents will be published onto the MHHS website and Collaboration Base.
- Both of these documents have been shared with PSG for information.
- A webinar to talk through the changes and the process will be arranged in coordination with the PPC team next month.
- If you have any questions, or would like to discuss the changes further, please contact lewis.hall@mhhsprogramme.co.uk
- Key changes include:
 - Further information on the implementation process for CRs
 - Greater clarity on roles and responsibilities of Advisory Groups and the Change Board
 - Clarity on when the Change Control Approach should and should not be used
 - Alignment between the fast track design update and horizon scanning processes

Cover note: Change Control Issues and Responses – June 2023

Several clarifications have been raised regarding how the Change Control process works. These have been responded to below.

| # | Issue | Response |
|---|---|--|
| 1 | The Change Board should have a list of defined criteria for assessing a CR before it moves to the next stage. | <ul style="list-style-type: none"> • Slide 11 in the Change Control Approach articulates what a Change Request should and should not include. • We have included more detail on the role of the Change Board in the process on slide 27. |
| 2 | There should be a general principle that a decision isn't made until the full set of changes are available for review. | <ul style="list-style-type: none"> • This has been superseded by the implementation of the Fast Track Design Change Process. |
| 3 | The process for managing rejected CRs is unclear. | <ul style="list-style-type: none"> • We have provided greater clarity in the detailed process map to show a clear appeals process (see detailed process map) |
| 4 | Implementation of CRs needs to be considered by advisory groups when they make a decision. | <ul style="list-style-type: none"> • A slide articulating the expectations of the Advisory Groups has been added to this pack (slide 27) to articulate this. |
| 5 | There is a requirement for the implementation approach to be clarified. | <ul style="list-style-type: none"> • Greater clarity will be built into the detailed process map to provide clarity requested and can be seen on slide 21. |
| 6 | Options analysis should be implemented for complex change. | <ul style="list-style-type: none"> • Options analysis should be undertaken in advance of a Change Request being submitted. If options analysis is necessary it should be undertaken via the PPIR process and not use the Change Control process. See slide 11-12. |
| 7 | Clarification is needed on the process and when updates to a CR can be made throughout the change control process and by who. | <ul style="list-style-type: none"> • A slide articulating the expectations of the Advisory Groups has been added to this pack (slide 27) to articulate this. |

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Change Control Approach

Published Information pack 01 February 2023 1:2 Public

MHHS-DEL171
Change Control Approach v1.2



Change Request Form

Change Request details

| Change Request details | |
|--------------------------------------|--|
| Change Request Title | Enhancements to the Change Control Approach |
| Change Request Number | CR026 |
| Originating Advisory / Working Group | N/A |
| Risk/issue reference | N/A |
| Change Raiser | Alex Whiteman (MHHS Programme) Date raised: 28/06/2023 |

For further guidance on how to complete this document please see the supporting *Change Request Form Guidance for Programme Participants*. The guidance will support raising a change and responding to a change request via Impact Assessment. The Change Raiser should consider sharing the draft Change Request Form with impacted programme parties, prior to submission to PMO. The guidance, as well as other key documents are referenced below and can be found via the MHHS website.

| Change Request to be read in conjunction with: |
|--|
| MHHS Change Request Form Guidance for Programme Participants |
| MHHS Change Control Approach |
| MHHS Governance Framework |
| Ofgem's MHHS Transition Timetable |

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MHHS-DEL1368.CR026 – Enhancements to the Change Control Approach

Thank you