MHHS PROGRAMME
Industry-led, Elexon facilitated

Programme Steering Group #20
03 May 2023

Version 1.0

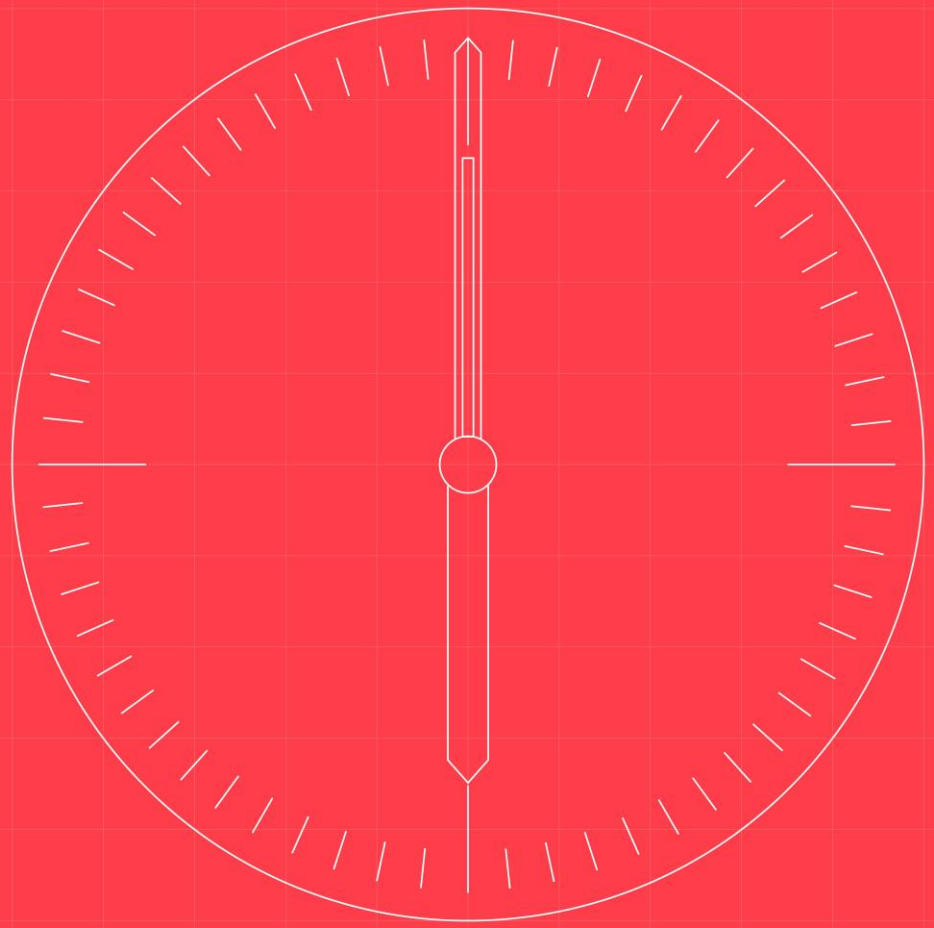
MHHS-DEL1119

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	10:05-10:10 *5 mins*	3
3	Sponsor Update	Provide key messages from the Programme Sponsor	Information	Ofgem (Melissa Giordano)	10:10-10:15 *5 mins*	6
4	Programme Replan Update	Verbal update on replan progress (e.g. Impact Assessment, playback sessions, and next steps)	Information	Programme (Giles Clayden)	10:15-10:20 *5 mins*	8
5	FTIG Update and SIT Outlook	• Update on activity at the first two FTIG meetings • Update on the outlook to SIT	Information	Programme (Keith Clark & Adrian Page)	10:20-10:35 *15 mins*	9
6	Delivery Dashboards	Questions from PSG members on delivery dashboard content	Information	Chair	10:35-10:45 *10 mins*	14
7	Summary and Next Steps	Summarise actions and decisions, and look ahead to next meeting	Information	Chair & Secretariat	10:45-10:50 *5 mins*	38
	Appendix 1 • SIT PoaP • Guidance on PIT Completion / SIT Readiness supporting SIT CIT Start					

Minutes and Actions



DECISION: Approve minutes and review actions

Chair & Secretariat

5 mins

Minutes and actions review (1 of 2)

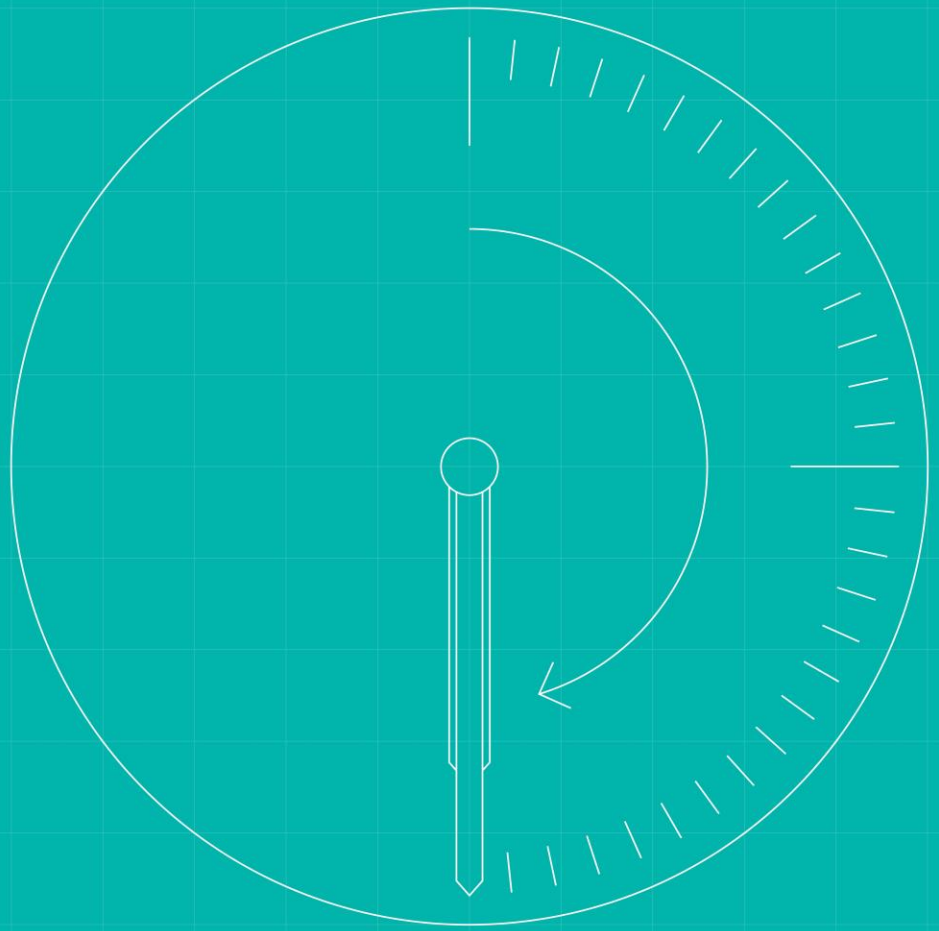
1. **Approval of minutes from last PSG**
2. **Open actions and actions from last PSG**

Ref	Created	Action	Owner	Due	Status	Latest Update
PSG15-01	07/12/22	Progress work on customer segments in migration at the Migration Design Subgroup (MDSG)	Programme (Jason Brogden)	01/03/23	Open – in progress	In discussion via the Migration Working Group (MWG) and this is drawing to firm proposals. This action will remain open until there is a conclusion.
PSG17-03	01/02/23	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	01/03/23	Open – in progress	A risk has been raised to the Programme RAID log (see risk R045). The risk is currently low scoring. Implications of the DIP design on the core MHHS design will be discussed at DAG once the DIP design is available (this action will remain open until this point).
PSG17-05	01/02/23	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	Open – in progress	To remain open and be aligned to Control Point 2
PSG18-03	01/03/23	Mobilise the Fast Track Implementation Group (FTIG)	Keith Clark	03/05/23	Recommend closed	FTIG mobilised and progress update on May PSG agenda
PSG18-05	01/03/23	Look into the assurance process for LDSOs for the accuracy of data for DUoS billing	Jason Brogden	05/04/23	Open – in progress	Programme progressing a statement on assurance to share with LDSOs and Elexon Helix
PSG18-06	01/03/23	Progress implementation of CR015 Option A via the Design Authority (DA)	Programme PMO	05/04/23	Open – in progress	Currently targeted for Interim Release 2 at end of July 2023. TO be discussed at Design Resolution Group on 18 May 2023. Action retained until implementation confirmed
PSG18-07	01/03/23	Update TMAG ToR and the Programme interim plan as per March PSG decisions	Programme PMO	05/04/23	Recommend closed	Housekeeping Change Requests approved and new versions of Governance Framework and Interim Plan shared
PSG18-09	01/03/23	Provide 23/24 budgets in PSG central party finance dashboards	Programme and Central Parties	05/04/23	Open – in progress	23/24 budgets from Helix, RECCo and the MHHS Programme are available in the dashboards. Awaiting DCC budget
PSG19-01	05/04/23	Ensure that the assumption (that participants going through SIT will not also need to qualify) is being managed via the RAID	Programme (Jason Brogden)	03-May-23	Recommend closed	Updated in and being managed via the Programme RAID (see assumption A165).

Minutes and actions review (2 of 2)

Ref	Created	Action	Owner	Due	Status	Latest Update
PSG19-02	05/04/23	Share comms to clarify the dependency for participants on DCC June 2023 release in order for participants to be ready for SIT	Programme (Jason Brogden)	03-May-23	Open – in progress	Dependency already in RAID log (see dependency D155). Comms shared in the Clock 26 April 2023.
PSG19-03	05/04/23	Meet to share the approach to Migration in the Programme plan	Programme (Adrian Page, John Wiggins) Ofgem Sponsor (Jenny Boothe)	03-May-23	Recommend closed	Meeting held 20 April 2023, agreement reached and supporting papers shared with Ofgem
PSG19-04	05/04/23	Ensure the 11 key risks in the replan are appropriately included, scored and managed via the RAID management process	Programme (Keith Clark, Giles Clayden)	03-May-23	Recommend closed	Updated in, and being managed via, the Programme RAID.RAID references as follows: 1 = R118 & R273, 2 = R439, 3 = R181, 4 = D156, 5 = R380, 6 = R415, 7 = R332, 8 = R281, 9 = R480, 10 = R331, 11 = R481.
PSG19-05	05/04/23	Determine and share dates for May PSG accounting for CR022 Impact Assessment period	Programme (Giles Clayden, PMO)	03-May-23	Recommend closed	Extraordinary PSG scheduled for 12 May 2023 09:00-09:45. Meeting papers to be published 05 May 2023.
PSG19-06	05/04/23	Clarify dates / timelines for the Transition Design in the Helix dashboard	Programme (Adrian Page) Helix Representative (Lewis Robertson)	03-May-23	Recommend closed	Transition Design is being addressed in two tranches. The first is focused on the elements that have bearing on parties DBT has been progressed through a series of working groups and the artefacts are with industry for review (DAG approval in May 23) and we are planning the residual activity required for Tranche 2 (DAG approval in Aug 23).
PSG19-07	05/04/23	Provide a live forward view of industry consultations via the Collaboration Base / Website and / or in the PSG dashboards	Programme PMO	03-May-23	Recommend closed	A consultation dashboard has now been published on the MHHS website and Programme Collaboration Base. Direct link here.
PSG19-08	05/04/23	Review risks and mitigations related to the Smart Metering Programme Implementation to ensure relevant risks and implications of legacy meters are appropriately quantified and managed	Programme (Jason Brogden) DCC Representative (Deborah Woods-Malone)	03-May-23	Open – in progress	Risk and dependency already in RAID log (see risk R471 and dependency D147). Follow-up session held 21 April 2023 between Programme, DCC, and Helix (resultant actions ongoing).
PSG19-09	05/04/23	Clarify if the DIP is included in the MHHS budget shared at PSG	Programme (Chris Harden)	03-May-23	Recommend closed	Confirmed that DIP is including in MHHSP budgets

Sponsor Update



INFORMATION: Hear key messages from the Programme Sponsor

Ofgem (Melissa Giordano)

5 mins

Sponsor’s message

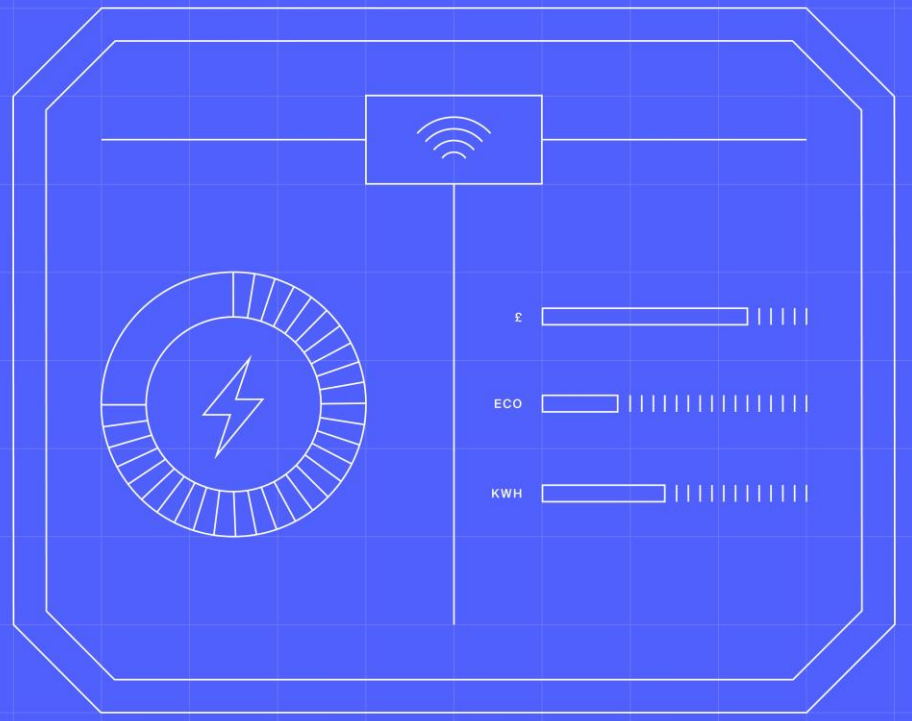
- This Programme remains a high priority for Department for Energy who are keen to support the earliest practicable implementation of the new arrangements.
- Welcome and appreciate the Programme's effort in preparing CR022 and the associated documentation.
- Urge industry to provide timely and detailed responses to the CR022 IA request and use all avenues to provide responses ahead of the extraordinary PSG on 12 May.
- Encourage all PPs to progress their PIT activities to ensure readiness for the next stage of testing.

Programme Replan Update

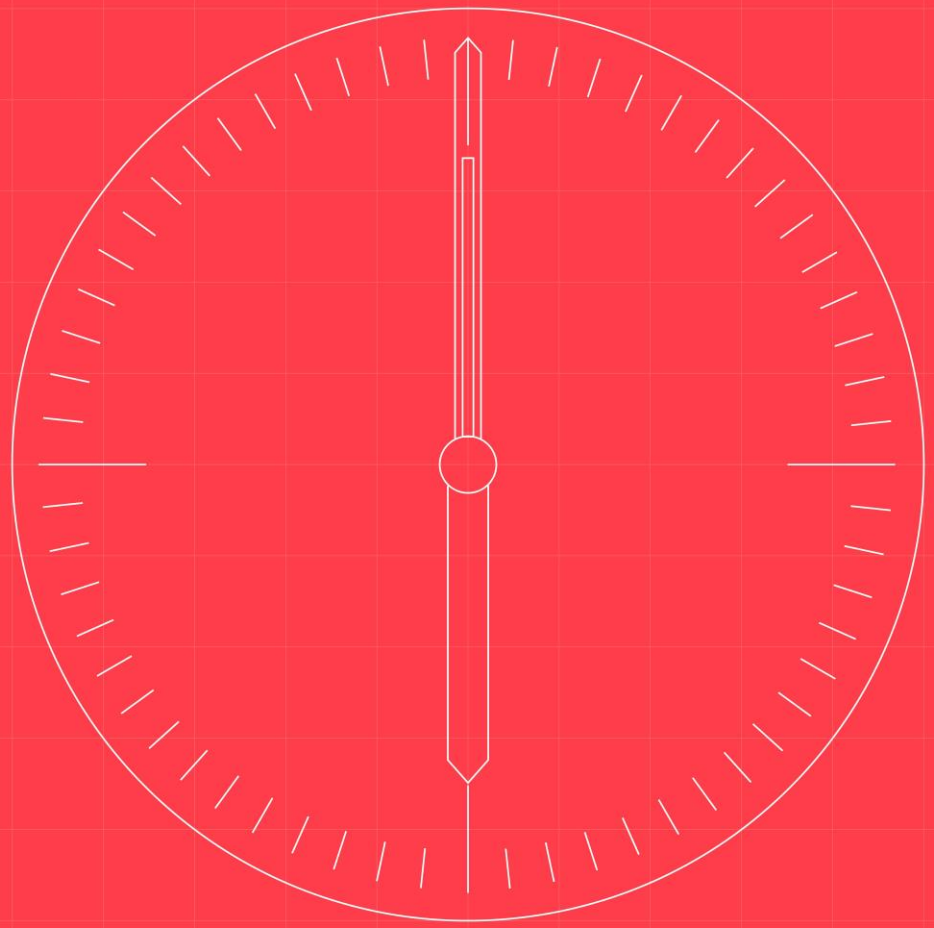
INFORMATION: Verbal update on replan progress (e.g. Impact Assessment, playback sessions, and next steps)

Programme (Giles Clayden)

5 mins



FTIG Update and SIT Outlook



INFORMATION: Updates on:

- Activity at the first two FTIG meetings
- SIT outlook

Programme (Keith Clark & Adrian Page)

15 mins

Fast Track Implementation Group (FTIG) Overview

FTIG purpose

- FTIG will be convened on a fortnightly basis by the Programme Steering Group (PSG), where the PSG would like more detailed consideration of early adopter Programme Participants' (PPs') delivery plans, progress and management of identified implementation issues ahead of and throughout Systems Integration Testing (SIT)

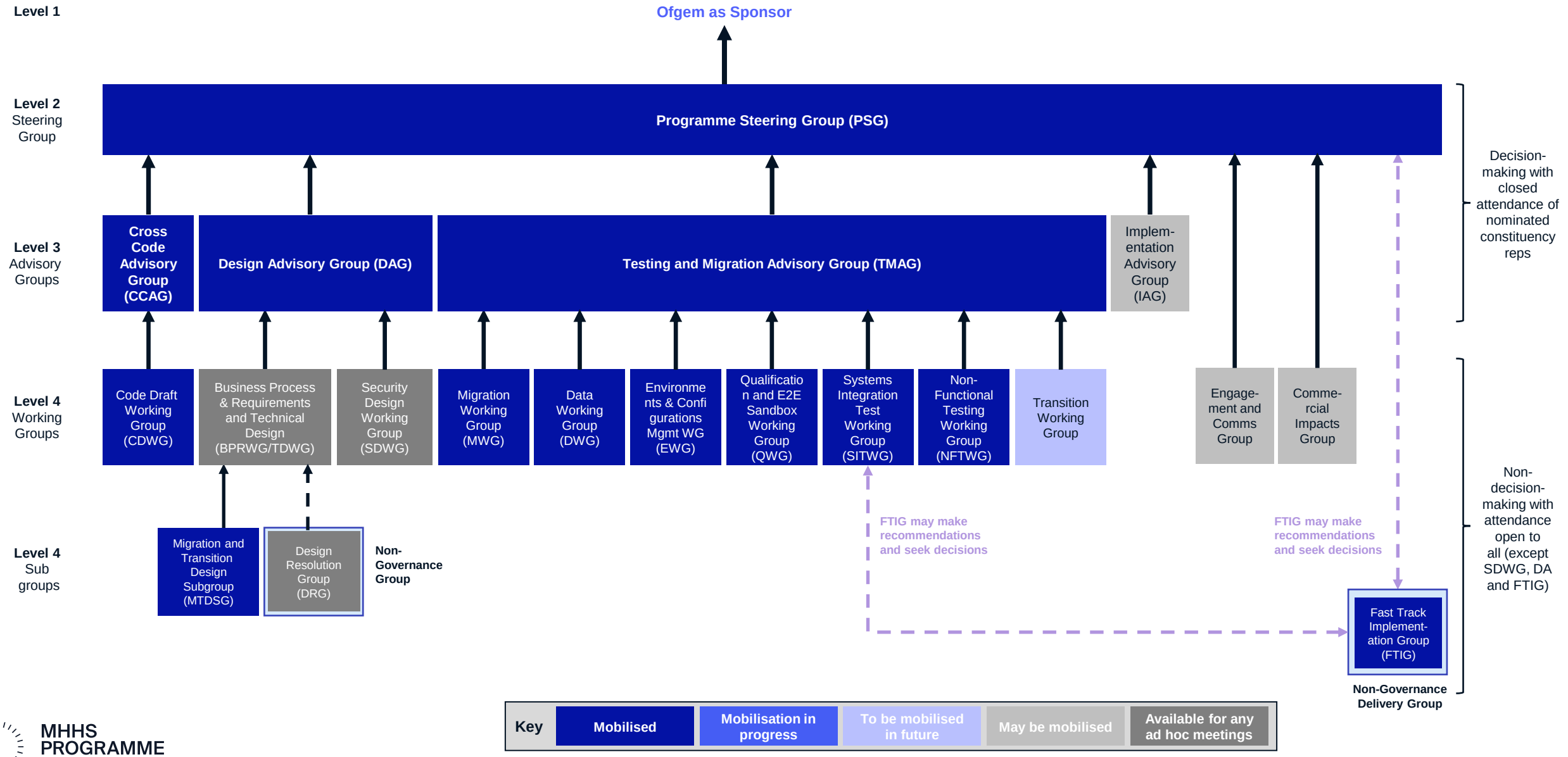
Expected FTIG outcomes

- Core Capability Providers and early adopter PPs are appropriately engaged and supported in preparation for, and delivery of, SIT
- Delivery plans, their impacts and related interdependencies are transparently communicated, understood and managed across the programme
- MHHS Programme team, Core Capability Providers and early adopters are working in an aligned way to ensure joined-up delivery

Context within Governance Framework

- FTIG is a non-governance group – will not make programme decisions that fall (or should fall) under programme governance, but may make recommendations to an appropriate governance group

FTIG in the context of the current MHHS Governance and Decision-Making Structure



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Fast Track Implementation Group (FTIG) - Update

1st meeting held on 14th April 2023

Attended:

IPA

Avanade
DCC
Electralink
Elexon (Helix)
RECCo
St Clements

British Gas
BUUK
Callisto
E.ON Metering
E.ON Next
IMServ
National Grid ESO
NGED
Octopus
Ovo
Siemens
SMS
Stark
TMA
Tym Huckin
Utilita

Invited but did not attend:

Brook Green Trading
Itron

14th April - Meeting headlines and actions

- Ofgem message (from Melissa Giordano):
  "Thank you to the Core Capability Providers and the MVC volunteers for attending FTIG - Ofgem is excited about this fast-track group and is looking forward to getting progress updates from the SRO regarding entry into M9 in October this year and onwards to go-live at M10 early in 2025. As per my request at PSG, we would appreciate your constructive input into this group and help in finding ways to meet the SIT entry date - Thank you and good luck"
- FTIG Terms of Reference were discussed and will be reviewed for confirmation at the next meeting (on 28-Apr-23)
- Attendance of software providers was discussed
- Further clarifications were sought (and given) about each organisation's permitted attendees
- It was requested that ahead of each meeting, members declare their current delivery obstacles
- Members were reminded to provide their updated delivery plans (to reach SIT)
- Members were asked to provide the names (and rationale) for any proposed software provider attendees to be added to core FTIG attendee list
- Members started to review delivery obstacles declared by members ahead of the meeting
- MHHS subsequently provided the Programme's position on attendance – including software providers

28th April - Outline for the next meeting (verbal update to be provided to PSG on 3rd May):

Actions and set-up

- Agree Terms of Reference
- Review SIT Dashboard and discuss FTIG reporting requirements going forward
- Share forward view of key SIT items and dates relevant to FTIG

Main body of meeting:

- Review FTIG members' material obstacles to delivering in time for M9 and suggestions for overcoming them
- MHHSP proposal for delivery assurance of members' plans to reach M9
- Share thinking on 'go-live' cohorts & ecosystems (managing M10 / M11 risk)

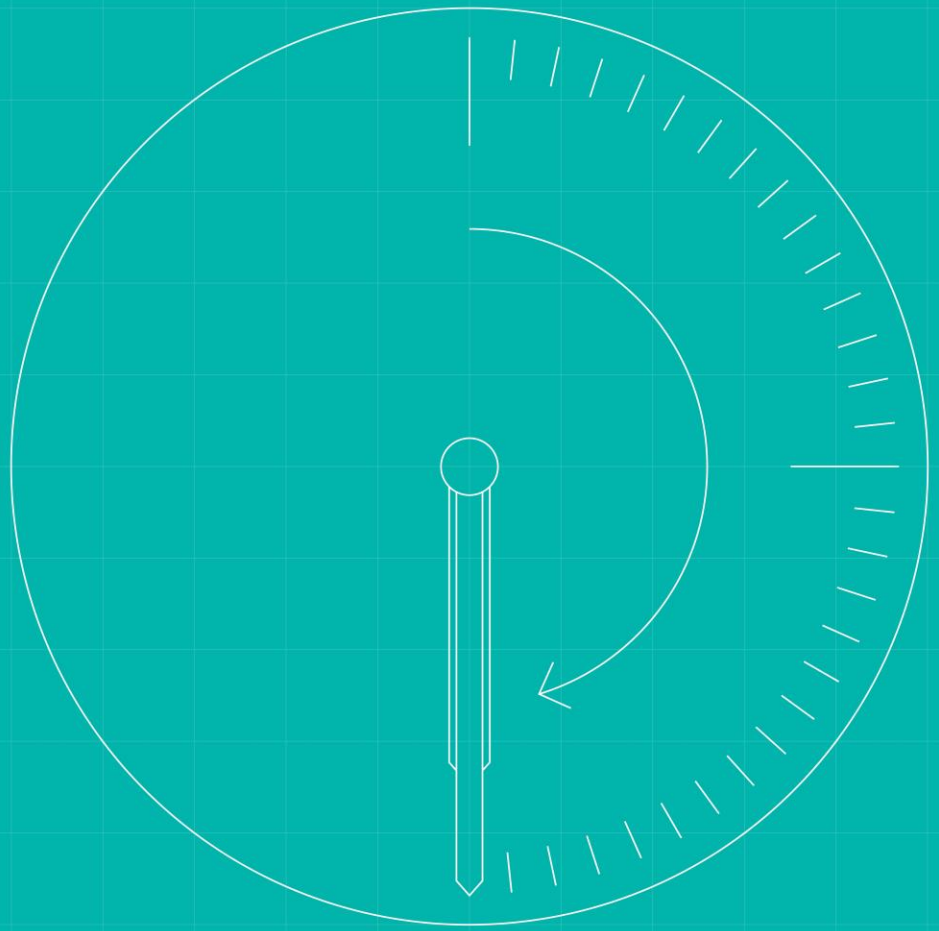
Approach

- M9 – Component Integration Testing starts 30 Oct 2023 and has 6 intervals with PPs joining at specific points (see Appendix)
- Ahead of joining CIT, PPs have successfully completed connectivity testing and executed & reported on their PIT testing
- SIT Functional testing starts Mar 2024, followed by SIT Migration testing, SIT Non Functional testing and SIT Operational testing

Status

- CIT - Helix and DIP are needed for Day 1 - on target; agreement reached on SCS delivery; other parties on track {RISK}
- SIT volunteers – MVC is established, Placing reliance Policy being approved (final PAB 27-Apr-23) and volunteers are making proposals on how they will conduct SIT; SIT volunteers cut off date is 23 May – MHHS Programme continue to seek SIT volunteers {RISK}
- Test data requirements – POAP provided to DWG and SITWG; Data deliverables in progress; Data cut moved back (in the re-plan) 2 months to end Aug 23 {RISK}
- Environments – Approach and Plan approved at EWG
- Test reporting and defect management – “ADO User Guide” and “Defect Approach and Plan” both being drafted, released in May-23
- Mechanisms in place to monitor readiness: FTIG, WGs, PPC bi-laterals, Design assurance and Delivery assurance
- SIT (F) – LSCs proposal on a phased entry in to SIT is under MHHS Programme consideration {RISK}
- SIT Migration - SCS are working on the impacts of the migration design & D0170 on their delivery plan {RISK}

Delivery Dashboards



INFORMATION: Questions from PSG members on delivery dashboard content

Chair

10 mins

Delivery Dashboards Overview

Area	Title	Purpose
MHHSP Programme status	**Milestone Status**	Provide an overview of progress against Programme milestones
	Interim Plan Status	Provide an overview of progress against the Programme interim plan
	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 and DCC 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	**Fast Track Implementation Group (FTIG) update**	Update on activity and progress at FTIG *Note: please refer to the full agenda item for this month's update*
	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
	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

MHHS Milestone Status

Red	Amber	Green
Baseline date has not been met or is expected not to be met	Baseline date may not be met and/or new date not yet agreed	Baseline date expected to be met

Milestone Status
Updated to 26/04/2023

Level	Milestone		Milestone Date		Status	Path to Green – Actions (& related impacts)	Previous RAG Apr PSG	Current RAG May PSG	Forecast RAG Jun PSG
			Baseline	Forecast					
1	M5	Physical baseline design delivered	29-Apr-22	Complete			Met	Met	Met
	M3	Design, Build Start (Elexon)	31-Aug-21	Complete			Met	Met	Met
	M3	Design, Build Start (DCC)	28-Feb-22	Complete			Met	Met	Met
	M3	Design, Build Start (DNOs)	31-May-22	Complete			Met	Met	Met
	M3	Design, Build Start (iDNOs)	31-May-22						
	M3	Design, Build Start (Agents)	31-May-22						
	M3	Design, Build Start (Suppliers)	31-May-22						
	M5+	Industry re-plan	29-Jul-22	08-Jun-23	• CR022 published • CR022 impact assessment window closed 26-Apr-23, and analysis started	• PSG (12-May-23) to review industry feedback on CR022, impact on re-plan proposal and recommendation on escalating to Ofgem for a final decision • Ofgem to make approval decision – ideally before or by PSG on 08-Jun-23	Amber	Amber	Met
1	M9	System Integration Testing Start	31-Aug-23	(30-Oct-23) *Re-plan proposal*	• Final re-plan proposal is similar to Round 3 timeline proposal – with some variations • Important risks have been mitigated – especially those related to MPRS • MHHSP view, based on participants' feedback, is that that an MVC can be constituted in SIT	• Ofgem approve the re-plan proposal and the programme plan is re-baselined • Large Suppliers' proposal for SIT approach considered and programme approach concluded • FTIG constituency is baselined and MVC risks are mitigated	Red	Red	Amber
1	M6	Code changes baselined	29-Apr-22	(23-Aug-24) *Re-plan proposal*	• Final re-plan proposal reflects an update to the Code drafting plan taken through CCAG and reflecting on early experience of Code drafting	• Ofgem approve the re-plan proposal and the programme plan is re-baselined	Red	Red	Green
	M7	Smart Meters Act powers enabled	31-May-22	(11-Nov-24) *Re-plan proposal*	• Final re-plan proposal reflects an update to the SCR / SMAP activities in the Code drafting plan reviewed with Code Bodies and Ofgem	• Ofgem approve the re-plan proposal and the programme plan is re-baselined	Red	Red	Green
	M8	Code changes delivered	30-Nov-22	(07-Mar-25) *Re-plan proposal*	• Final re-plan proposal is same as Round 3 aligning M8 with M10	• Ofgem approve the re-plan proposal and the programme plan is re-baselined	Red	Red	Green

Progress against the Interim Plan

Red	Baseline date has not been met or is expected not to be met
Amber	Baseline date may not be met and/or new date not yet agreed
Green	Baseline date expected to be met

Interim Plan status
Updated to 26/04/2023

Executive Summary

- **Interim Programme Plan:** An updated interim PoaP was approved by PSG on 07-Dec-22. The interim PoaP was further updated in January 2023 to reflect the activities and associated dates from the Round 3 replan consultation. The PoaP can be found on the planning page of the MHHS website. The Interim PoaP was further extended to cover May-23 and Jun-23 due to the deferment to the Programme Re-Plan timelines and was approved by PSG on 05-Apr-23
- **Programme Re-Plan:** The Programme has analysed the critical path elements within the plan, working with St Clements Services (SCS) and Central Parties to ensure the proposed plan reflects a realistic approach and timescale for all Core Capability Providers. The Test Strategy and Approach is being modified through SIT Working Group to mitigate the impact on milestones for these providers, particularly for entry to SIT and Core Capability Provider plans have been validated to provide confidence in the re-plan. Round 3 consultation on the Programme plan confirmed an MVC can be constituted, with the final SIT participants being agreed on 23-May-23. The re-plan CR for industry IA was published on 06-Apr-23, closing on 26-Apr-23. CR022 responses will be presented to PSG at an extraordinary meeting on 12-May-23 for recommendation to Ofgem to approve.
- **Design Delivery:** The Design Advisory Group (DAG) agreed to baseline the MHHS Design on 31-Oct-22 subject to the delivery of a Work-off Plan. The completion of the Work-Off Plan was approved at an Extraordinary DAG on 16-Feb-23. The DAG approved the Migration Design artefacts at an Extraordinary DAG 31-Mar-23.
- **Top Delivery Challenges:** (1) working with Core Capability Providers and increasingly with SIT volunteers to ensure continuing alignment of their DBT plans with the intended programme plan to best manage critical path risks, (2) reaching agreement with all stakeholders on the timeline in any re-baselined plan.

Plan RAG Status	
Previous RAG	Green
Current RAG	Amber
Next period RAG	Amber

Upcoming activities – May 2023

Task	Workstream	Baseline date	Forecast date	RAG
Transition Design for tranche 1 approved at DAG	Migration	10-05-23	10-05-23	Green
PSG decision to agree Re-plan baseline recommendation	Programme Replan Baselining	12-05-23	12-05-23	Green
SIT Participants agreed	Test Preparation & PIT Assurance	23-05-23	23-05-23	Green
Code drafting for Data Services and Metering topic areas approved	Code drafting	24-05-23	24-05-23	Green
Data Generator released	Design, Build and Test	31-05-23	31-05-23	Green
Service Management Strategy approved	Migration & Service Management Artefact development	31-05-23	31-05-23	Amber
Overarching Test Data Approach & Plan approved	Test Preparation & PIT Assurance	31-08-23	17-05-23	Amber

Last months' activities – Apr 2023

Task Complete	Workstream	Baseline date	Forecast date	RAG
Migration Design approved at DAG	Migration & Service Management Artefact development	15-03-23	31-03-23	Complete
Code drafting for Data Services & Metering topic areas issued for CDWG review	Code drafting	23-03-23	04-04-23	Complete
PSG decision to issue Re-plan CR for industry impact assessment	Programme Replan Baselining	05-04-23	05-04-23	Complete
Approve Configuration & Release Management Approach & Plan	Test Preparation & PIT Assurance	19-04-23	17-05-23	Amber
Test Management Tool implementation (complete)	Test Preparation & PIT Assurance	28-04-23	28-05-23	Amber
Agree Test Management Tool Configuration and User Guides	Test Preparation & PIT Assurance	28-04-23	28-05-23	Amber

RAID ID	RAID Description	Mitigation / Resolution	Resolution Date	Owner(s)	RAG
I077	There is an issue that the St Clements current DBT plans do not yet demonstrate that they will be ready for SIT start (M9) on 30-Oct-23	Weekly detailed planning meetings have been held between MHHSP and the St Clements team, to find a workable phased delivery of MPRS functionality into CIT and ahead of SIT Functional testing. New St Clements iterative DBT delivery plan has been shared, which indicates that the proposed programme re-plan SIT CIT and SIT (F) dates can be supported. A plan for St Clements migration-related DBT is awaited, and risk and uncertainty still exists relating to that timeline. IPA independently reviewing activities.	Ongoing	Keith Clark	Amber

Risk theme 1: Commencing and completing SIT as planned

RAID (1 of 3)
Updated to 24/04/2023

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	• Mitigations are in place to manage risk of SIT not starting on time, of not securing an MVC and to mitigate any likelihood of potential volunteer drop-outs during SIT • Reliance Policy requires suppliers to make proposals to allow MHHSP to conclude SIT approach through governance	**Previous RAG**	**Amber (34 Risks)**
			Current RAG	**Amber (27 Risks)**

Key Risks

Risk ID	Risk Description	Risk Score Assessment (Critical: 30–25; High: 24–17; Medium: 16–9; Low: 8–1)	Score movement since last PSG	Mitigation Plan
R433	There is a risk that the high volume of Design queries is putting pressure on the governance process (to get any changes approved)and there may be a delay in resolving queries	I 21 → C 17 → T 13	-4 (21 to 17)	1. Query responses will be prioritised according to materiality and risk – target is 5 working days to respond but noting high volume of queries currently 2. A revised process has been developed to streamline the Design artefact review and release process (underway)
R380	Risk that DNOs/iDNOs may not participate in the non-SIT/non-Qual LDSO testing or complete it in time	C 20 / I 19 → T 7	No change	1. Address all possible avenues of ensuring that the parties have enough incentive or obligations to participate (i.e., Core Capability Provider reports at PSG and recent LDSO deep dive) 2. Readiness assessments & Bilaterals; reporting SIT participants; briefings to LDSOs (e.g., INA meetings)
R118	There is a risk that there is a lack of sufficient types and numbers of volunteers in SIT to be able to constitute an MVC	C 18 ← I 13 → T 7	No change	1. Focus on Core Capability Providers via regular MHHSP account meetings / reviews 2. Round 3 encouraged earlier volunteering or declarations of interest from potential SIT candidates 3. Participant bilateral engagement (via PPC) is also encouraging volunteers (or acting to retain them) 4. Cut-off dates for participants to declare their volunteering 5. SI Design and Test assurance will track participants' DBT progress to manage risk that expected SIT volunteers will not be ready for M9 6. Short paper drafted on policy/understanding around SIT / Qualification Test equivalence, and options for PPs working with 3rd party IT / software providers – SITWG / QWG TMAG / PAB (BSCCo /RECCo)
R273	There is a risk that SIT participants may have to be dropped from SIT participation prior to CIT, if they; 1. have not reached a sufficient point of progress in their DBT activities or 2. decide not to participate after all	I / C 17 → T 8	No change	1. There needs to be contingency in the list of expected SIT volunteers 2. The cut-off date for participants to declare their volunteering has been deferred to 23-May-23 to help to maximise the number of volunteers 3. Set up and operation of Fast Track Implementation Group (FTIG)
R432	There is a risk that new Change Requests have a material impact on the baseline Design	I / C 16 → T 5	No change	1. Monitoring Change Requests and understanding their impact on Design 2. Where changes not concluded, making clear what risks are contained within re-plan proposal
R453	There is a risk that the St Clements Functional DBT delivery may be late for SIT	I 30 → C 18 → T 14	New item	1. Weekly detailed planning meetings continue – MHHSP / St Clements 2. Impacts of any design-related changes and / or design decisions need to be understood early and mitigations found

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

Risk theme 2: Meeting and passing M10 / M11 successfully

RAID (2 of 3)
Updated to 24/04/2023

Theme	Summary	Mitigation Approach Overview	RAG Status	
Meeting and passing M10 / M11 successfully	The theme explores the factors which may affect M10 / M11 success and how the Programme is planning to mitigate these to stop them from converting into issues	• Some of the existing risk factors around M10 / M11 will be mitigated by the findings throughout SIT Testing, which well evaluate assumptions, demonstrate to the Programme the areas which require attention and allow the Programme time to make the changes necessary for M10 / M11 success • Upcoming sign off to the Migration Design and the Data Cleans Plan and ongoing Code Drafting will also give Participants necessary materials to prepare for M10 / M11	**Previous RAG**	**Amber (12 items)**
			Current RAG	**Amber (9 items)**

Key Risks

Risk ID	Risk Description	Risk Score Assessment (Critical: 30–25; High: 24–17; Medium: 16–9; Low: 8–1)	Score movement since last PSG	Mitigation Plan
R456	There is a risk that St Clements MPRS may require additional development of D0170 functionality for the purposes of the Migration Design	I 19, C 18, T 3	New item	1. Waiting for view on impact from St Clements
R353	There is a risk that the volume/rate of MPANs which can be migrated does not align with the current assumptions	I 12, C 11, T 7	No change	1. Future: E2E non-functional SIT testing to validate proposed volumes are feasible 2. Agreeing individual volumes with suppliers - detailed planning with each individual organisation (migration workstream tbc) 3. Monitoring early phases of Migration - any deviance from assumptions to be flagged
R131	There is a risk that there is a lack of clarity around the R&Rs between MHHS and the Performance Assurance Board (of the BSC) in regard to the ownership of migration preparation activities (e.g., adding data items, conducting data cleansing)	C 17, I 14, T 3	No change	1. Data Cleanse Plan will define R&R (June 21st)
R415	There is risk that qualified Suppliers will not be able to start migrating MPANs at M11 (and beyond) if they do not have Service Providers contracted that have qualified for particular customer segments (SDS and MSS for smart/dumb meters; MSA and ADS for advanced meters; UMSDS for UMS)	I 15, C 14, T 3	No change	1. MHHSP is looking to support suppliers and service providers testing together through SIT where we can, and this will be a focus through SIT to gain assurance that M11 will start as soon as is practical
R147	There is a risk that the outputs of code drafting may not reflect the design	I 16, C 9, T 4	-7 (15 to 8)	1. Ensure the Code drafting does align to the design solution 2. Complete a cross check between Code drafting and Design at the end of the code drafting process (traceability matrix) 3. Take any issues to CDWG 4. Changes made to better reflect Design artefacts have been positive, so score reduced
R440	There is a risk that legacy Agents and Suppliers operating MPANs do not make required changes to their existing business processes and Services to support Migration (within the legacy arrangements)	I 10, C 9, T 4	No change	1. Code Drafting will give certainty to parties 2. Sign off of Migration Design and assurance activities 3. Code Body Performance Assurance activities

Key	
I	Initial Score
C	Current Score
T	Target Score

Risk theme 3: Management of Industry Change

RAID (3 of 3)
Updated to 24/04/2023

Theme	Summary	Mitigation Approach Overview	RAG Status	
Management of industry Change	With various industry initiatives as well as continuous SLCs and Mods, it is pivotal that the Programme considers the impacts on its progress and costs and monitors these closely	• Mitigations for managing industry change include ongoing conversations in account management meetings to understand how Programme Participants and their plans are affected, close monitoring of updates and escalation to Ofgem and Elexon where necessary for input and discussion • CCAG monitors industry change through the Horizon Scanning log and through presentations on industry change to identify interactions with MHHS which might require MHHS Programme change (e.g., DCUSA DCP 415 & 416). • Programme in discussion with Code Bodies and CCAG to set an optimum process for progressing external change that impacts MHHSP to learn the lessons from DCUSA DCP415 and apply some principles for future change which will be inevitable (DCUSA DCP416 next)	**Previous RAG**	**Amber (11 Risks)**
			Current RAG	**Amber (12 risks)**

Key Risks

Risk ID	Risk Description	Risk Score Assessment (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)	Score movement since last PSG	Mitigation Plan
R153	There is a risk that the implementation of DCC release (SEC MP162 Mod) in June 2024 does not align with MHHS Programme requirements to be ready for SIT	I: 14 · C: 13 · T: 6	No change	1. This may need to be revisited if R182 becomes an issue 2. The current DCC plan aligns with SIT timescales and the Programme will continue to monitor this through account management and planning activities 3. Detailed regular discussions on test scope and environments ongoing with DCC (latest 26-Apr-23). Medium risk score consistent with the Amber status of this risk in DCC May PSG dashboard
R252	There is a risk that Suppliers do not implement the consent regime required by SLC47 in time for MHHS	I: 23 · C: 11 · T: 7	No change	1. Licence conditions took effect 3/11/22 therefore probability reduced but the risk remains open in case of non-compliance from suppliers
R227	There is a risk that the migration approach needs to change if BSC Mod P432 is rejected	I: 24 · C: 12 · T: 5	No change	1. On P432 we are awaiting the DCUSA modification 414 as they are interdependent. We expect Ofgem to be making their decision in July 2023 now. Implementation will be 3 months after Ofgem decision 2. Continue to discuss with Elexon, Ofgem and CCAG (discussed CCAG 26-Apr-23)
R229	There is a risk that implementation of REC R0032 is delayed beyond SIT for new data items required for MHHS	I: 15 · C: 11 · T: 4	No change	1. Monitor implementation of CP 2. Change is under Party Impact Assessment and is on course for implementation in the June 2023 Release. No major risks being raised, but maintain probability at 2 driving Medium
R354	There is a risk that industry Code governance will agree implementation of Change/ Modifications that impact MHHS design/outcomes without MHHSP Impact Assessment or governance decisions	I: 14 · C: 13 · T: 3	No change	1. Monitor Horizon scanning in CCAG. The MHHSP should make the decision on implementation within Programme timescales of any change that impacts MHHS Design 2. Programme discussed with Ofgem and presenting to CCAG (26-Apr-23) to set an optimum process for progressing external change that impacts MHHSP to learn the lessons from DCUSA DCP415 and apply some principles for future change which will be inevitable (DCUSA DCP416 next)

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

Change Request status

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*
CR013	Determining scope of Examination of Settlement Impacts resulting from MHHS Programme	Gareth Evans, I&C Supplier Constituency	Full Impact Assessment	PSG approved (01/02/23)	**Approved**	Implementation	Implementation phase started. Expression of Interest to be issued via the Clock (22/02/23)	Chris Welby, MHHS Programme
CR015	Differential Settlement for E7/E10 Meters for Smart Opt-out customers	Graham Wood, Large Supplier Constituency	Full Impact Assessment	PSG approved (01/03/23)	**Approved**	Implementation		Ian Smith & Paul Pettitt, MHHS Programme
CR017	LDSO Registration Service Dip messages processing times	Catherine Duggan, Electricity North West	Full Impact Assessment	DAG decision to defer, to be reported back to DAG (12/04/23)	**Deferred**	Deferred, to be reported back to DAG (expected 05/23)		
CR018	Registration Service Operating Hours	Ian Smith, MHHS Programme	Full Impact Assessment	DAG decision to defer and send back out for Impact Assessment (12/04/23)	**Deferred**	Deferred, to be reported back to DAG following IA (expected 05/23)		
CR019	Replacement of D0242/D0315 for MHHS	Peter Waymont & Neal Medley, Eastern Power Networks	Full Impact Assessment	DAG to review Impact Assessment and make approval decision (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	PSG decision to send out for Impact Assessment (05/04/23)	**Open**	Impact Assessment closing 26/04/2023. Outputs to go to PSG (12/05/23)		

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

SIT Status

SIT Status
Updated to 25/04/23

Core Capability Providers	Status	Comment
Elexon (Helix)	**Amber**	Following quarterly (PI6) in Feb-23, Helix is forecasting PIT exit by end of Sep and entry in SIT (CIT) at M9 but with minimal contingency. This is also dependent on Transition Design assumptions holding true and further validation of Helix ability to effectively complete connectivity testing in Sep-23 given potential Elexon environment constraints.
DIP	**Green**	Design is on track. 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 MPRS migration-related DBT plan still to be confirmed Impact of D0170 is not included in current plans, and in-flight CRs (when concluded) may also have impacts
RECCo	**Green**	DBT plans for EES are on track to be ready for phased CIT
DCC	**Green**	MP162, CSS changes and capacity upgrades on track. Ongoing discussion on test environments and test activities.
ElectraLink	**Green**	No core design changes to the DTN. On track re minor changes for migration and consequential change.
LDP (SI)	**Amber**	Placing Reliance Policy and PIT Guidance issued Progressing test scenarios and test cases on track Exploring further phasing option for SIT (F) Significant progress on test data but continues to be a risky area so closely monitoring

Round 3 responses from Participants		SIT volunteers (Round 3)	SIT interest expressed (Round 3)	Minimum required for MVC	DBT plans show support for Round 3 timeline	Status of Participant SIT commitments	Have started to use DIP simulator?	Design assured by the SI?	Testing assured by the SI?
Suppliers	Large	1	2	2	2	Commitments from suppliers will be confirmed after the conclusion of the Placing Reliance Policy and following suppliers' proposals for how to test based on that policy 1 (medium) supplier has committed to SIT so far	1	*Progress of SI design assurance activities will be reported here*	*Progress of SI test assurance activities will be reported here*
	Medium	1	1		2		1		
	I&C	2	3		5		2		
	Small	1	1		4				
LDSOs (providing Network Operations Services and UMSO Services)	DNOs	1	5	1	2	Commitments from LDSOs are will be confirmed after the conclusion of the Placing Reliance Policy and following LDSOs' proposals for how to test based on that policy - and based on re-plan alignment with MPRS DBT plan	1		
	iDNOs	0	7		4				
Supplier Agents (providing DC, DA, MOP services for migration testing)	HH / NHH	1	1	1	2	Commitments will be confirmed after the conclusion of the Placing Reliance Policy and following suppliers' proposals for how to test based on that policy	0		
Service Providers (providing Metering Services Smart & Advanced, Smart & Advanced Data Services, UMS Data Services)		6	3	2 *for each role*	7	MVC can be constituted based on current commitments 10 organisations have committed to SIT so far and are participating in FTIG	4		
Software Providers		7	4		11	Commitments from software providers are likely to be confirmed after the conclusion of the Placing Reliance Policy	15		

- Participants must declare that they are committed to participating in SIT, by 23-May-23
- FTIG has commenced with strong engagement from delivery managers of Round 3 volunteers
- Some SIT volunteers (and those expressing interest) have caveated their involvement on both being comfortable with the eventual SIT delivery approach and acceptance of their how they will conduct SIT based on the approved Placing Reliance Policy

MHHS - Monthly Delivery Report [*Helix*]

Report Date: 21-04-23

Core capability provider
Helix

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- PI 6 demo complete
- Development teams continue to achieve their PI objectives
- Planning commenced for the next PI
- Qualification Plan and Approach currently reviewing comments with view to finalise next month
- Reviewing comments from industry of tranche 1 of the BSC code review.
- Response to CR 22

Progress expected in the coming month:

- Continue planning for PI 7
- Complete the development included within PI 6
- Progress the Qualification Plan and Approach with view to reaching agreement
- Continue with the review of comments from tranche 1 of the BSC code review.
- Continue the conversations defining PIT exit criteria and SIT entry criteria.
- Discuss the defects management process to commence

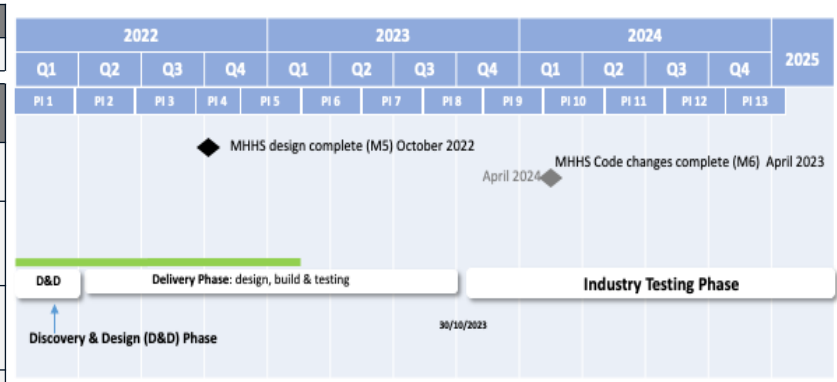
Party Milestones & Deliverables	R3 Target Date	Forecast date & RAG
Programme mobilised	17/01/22	Complete
Discovery & Design phase	22/04/22	Complete
Delivery phase start	20/04/22	Complete
Delivery phase ends (DBT End)	29/09/23	In Progress
Industry phase starts (CI Starts)	30/10/23	Not started
Industry 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?

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	With the release of the first tranche of the transition design this will be responded. Required discussion will continue to understand the implications.		
There is a risk that the revised code documents are produced under pressure to meet a deadline and as a result are of poor quality.	With the return of the first tranche of documents from industry consultation it appears this risk has materialised, with many comments having been returned. Delays to finalising the code will impact the programme costs.	28/03/23	
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	Conversations have commenced but there is little detail around the testing support requirements.	28/04/23	

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
SIT will commence at the end of October.	Re-plan 3, 30 Oct for SIT, once this is agreed then the assumption will be removed. This still needs the entry criteria defined.	31/03/23	

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
Transition design artefacts required before PI 6 can commence	The first tranche of the transition design has been issued which is being reviewed. Given this was needed for inclusion in PI 6	28/02/2023	



MHHS - Monthly Delivery Report [*DIP*]

Report Date:25-04-23

Core capability provider
DIP

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:
- 6 key Design deliverables issued for formal review and approval:
  - Environment Specification, Logical Architecture, Physical Architecture, Portal UI/UX Design, Security Management Plan, Requirements Traceability Matrix
- Planning for start of formal Build phase completed
- Key areas of progress:
  - Delivery & Change – onboarded LDP engagement resource
  - Applications – Proof of Concepts completed as part of design
  - Infrastructure – PIT environment deployed successfully (and then taken down to minimize Azure costs)
  - Security – progressed Security Management Plan, established risk processes for Build phase
  - Testing – iterations of the PIT Test Plan, analysis of test data required and initial discussions on CIT/SIT dependencies
  - Service –Service Design Baseline started

Progress expected in the coming month:
- Immediate focus on addressing review comments for 6 key Design deliverables to enable Build to commence against approved design:
  - Environment Specification, Logical Architecture, Physical Architecture, Portal UI/UX Design, Security Management Plan, Requirements Traceability Matrix
- Build Sprints start and run through May (and beyond)
- Initial focus on development of vertical slice through DIP solution
- Workstream focus:
  - Delivery & Change – extend engagement with LDP via demo day
  - Applications – channel specific configuration, pipeline development
  - Infrastructure – environment PIT environment pr
  - Security – message security, sentinel deployment and DPIA
  - Testing – complete test data analysis and confirm availability
  - Service – complete Service Design Baseline

Party Milestones & Deliverables	Original or ~~Baseline D~~ ate	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*

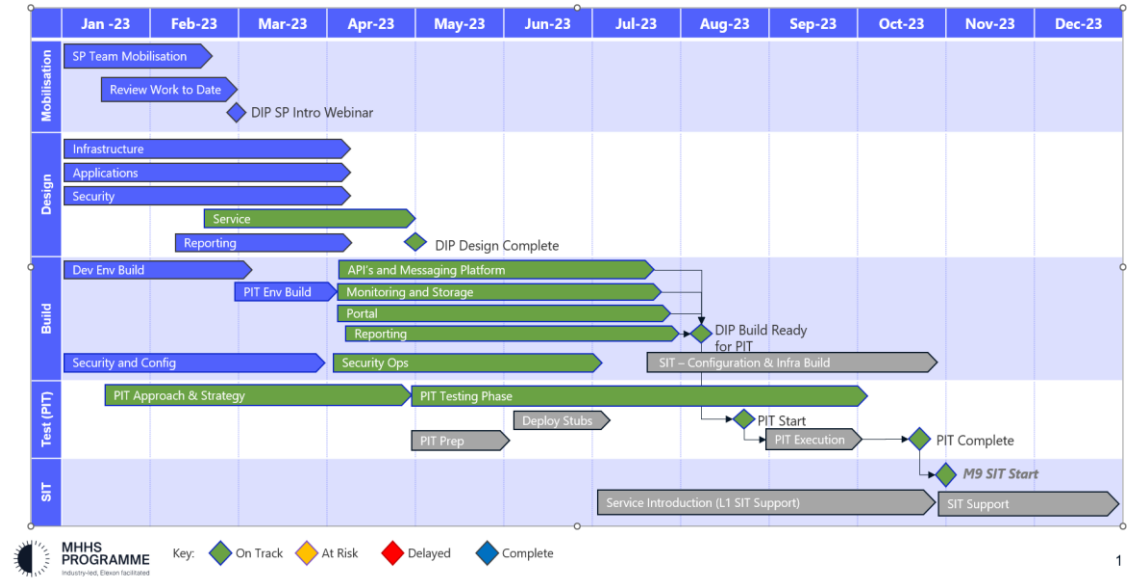
Decisions required	From whom?	By when?
None	n/a	n/a

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Onboarding process yet to be finalized – risk to design validity and approvals, may lead to rework	Conclude discussions on onboarding process started last period	12/05/2023	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	09/05/2023	Rob Golding

Assumption & RAG	Action required t remove assumption	Date for action to be resolved	Action Owner
DIP API design will be based on multiple endpoints	Industry approvals for the API design (part of DIN Log)	12/05/2023	Rob Golding

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
GET: Availability of test data for DIP PIT testing	Support provision of required data based on test data requirements	12/05/2023	Adrian Ackroyd
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)	19/05/2023	Smitha Pichrikat

DIP Readiness for M9 – POAP



MHHS - Monthly Delivery Report [*St Clements*]

Report Date: 24-04-2023

Core capability provider
St Clements

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- Further development of waterfall/agile hybrid plan
- Providing list of unresolved design issues raised with the programme and liaising with the programme to resolve
- Applying migration design to MPRS design
- Released MPRS R8.2 (MHHS stage 0) to DNOs/iDNOs
- Further work on MPRS Proof of Concept
- Work with the programme to understand what MPRS functionality is required for CIT

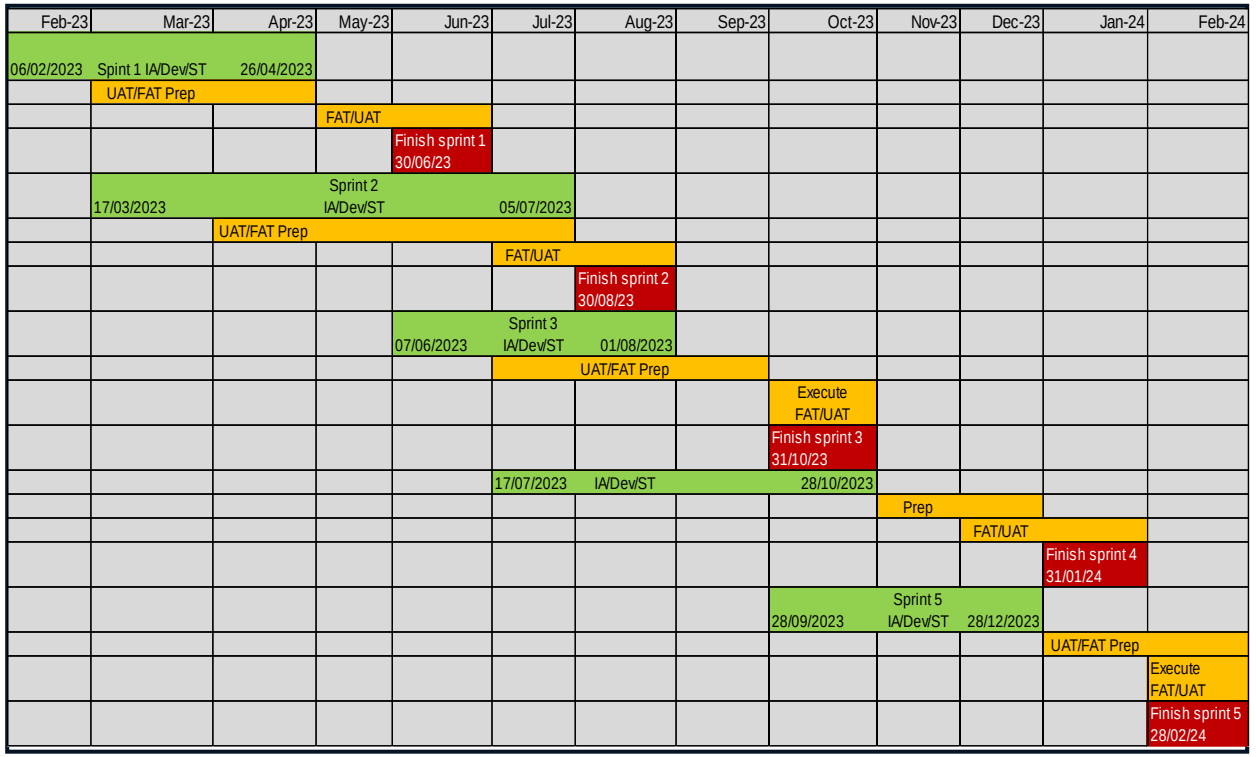
Progress expected in the coming month:

- Respond to CR022
- Continue developing Impact assessments by SSP
- Develop waterfall/agile hybrid development plan for migration DBT
- Continue progressing DIs to resolution with the programme
- Further develop ideas for MPRS involvement in CIT in conjunction with MHHS Programme

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
Plans for design and build	31-03-23	31-03-23
Detailed plans for PIT	31-05-23	31-05-23
PIT exit	31-01-24	31-01-24

Decisions required	From whom?	By when?
How will SIT work?	Programme	28-02-23
24/7 operation question	Conclusion of CR017 and CR018	31-03-23

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Data cut requirements unachievable without negatively impacting development plans	Programme to adopt the most efficient approach that will not impact MPRS delivery timescales	30-04-23	SCS/Programme
Assessing impact of migration design and the impact this may have on production interfaces	IAs to be performed	31-05-23	SCS
MPRS high level plan needs extending following detailed IA	IAs performed during hybrid waterfall/agile delivery approach. Iterative approach will extend the delivery of the full MPRS MHHS release	31-01-24	SCS
Is the role of SCS recognised correctly by the programme?	Programme and SCS to resolve apparent mismatch (software developer or core capability provider?)	30-11-22	Programme/SCS
24/7 operation decision on wider SCS/DNO programme test phases and enduring operation	Do the programme test phases need modifying to reflect the potential change to 24/7 operation?	31-01-23	Programme
Design CR not being approved	Design CR should resolve 90+ DIs. There is a risk that this CR is not approved and this will have an impact on the MPRS design	30-06-23	Programme
Risk of programme CRs which require MPRS development impacting level 1 milestones	Unable to extend scope within existing timelines. Programme to understand this constraint (eg D0170 decision).	Ongoing	Programme
Assumption & RAG	**Action required to remove assumption**	**Date for action to be resolved**	**Action Owner**
MPRS high level plan broadly remains following detailed IA	Detailed IA to complete	30-04-23	SCS
Data cut does not require code to be developed	Data cut design to be defined	30-04-23	Programme
Programme governance does not impact MPRS delivery activities	Light touch and targeted approach	30-11-22	Programme
Dependency & RAG	**Managing action required**	**Date for action to be resolved**	**Action Owner**
Dependency on Programme to confirm decisions on above	Prompt responses and decisions required		



RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- Assessment of CR022 changes and impacts, and RECCo plan alignment started.
- C&C DBT for EES changes in progress, with development of DIP Adaptor progressing well, and underlying Azure components set up. Plan / deliverable alignment in progress.
- Qualification Approach and Plan published for review.
- REC Metering Code Drafting consultation responses reviewed, and updates issued to CDWG 3rd April.
- Migration design approved by DAG 31/3 with CR expected to make consequential amendments to the baselined interface catalogue.
- MSAG meeting held 19/4 to baseline various REC design solutions.

Progress expected in the coming month:

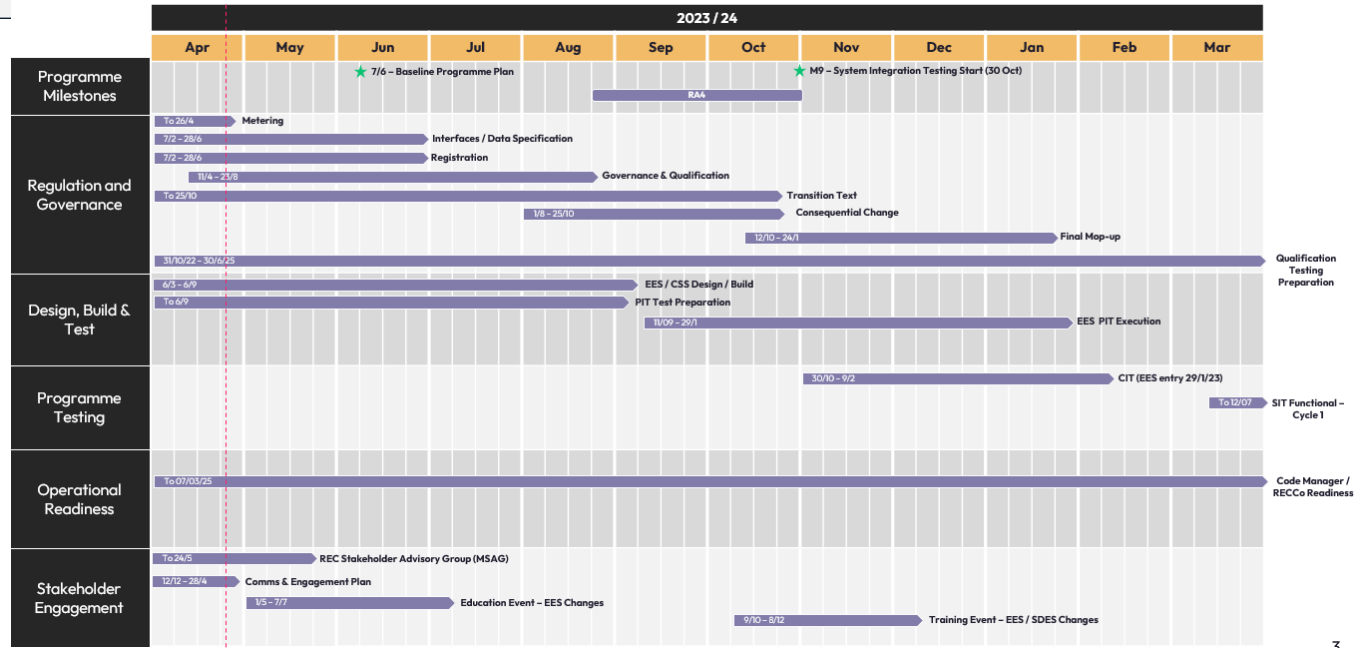
- Complete RECCo plan alignment, and submit CR022 impact assessment response 26/4
- Provide response to Participant Design Assurance questionnaire
- EES Core Design Functional Spec for internal review / approval
- CDWG review for Metering Code Drafting until 17/5 then CCAG approval 24/5
- Qualification Approach and Plan REC PAB approval 30/5

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
EES DBT Start	01/03/2023	
EES SIT Entry (CIT)	29/01/2024	29/01/2024
Code Drafting Complete	04/04/2024	04/04/2024
Code Drafting Implemented	07/03/2025	07/03/2025
RECCo Readiness	07/03/2025	07/03/2025
GO LIVE	07/03/2025	07/03/2025

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 the data cleansing plan produced by the prog. places obligations on RECCo (or REC service providers) which may not be clear, or able to be delivered	Engagement with the development of the data assessment report and data cleansing plan, and ensure any assumptions regarding RECCo governance or service providers are validated and where necessary, challenged	May '23	Jonathan Hawkins

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
Re-baselining of Programme Plan	Publication of baselined plan	June '23	Programme



MHHS - Monthly Delivery Report [*DCC*]

Report Date: 24-04-2023

Core capability provider
DCC

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- DCC engaging with multiple prospective MDR parties
- R0044 Design received from Switching and approved by DCC.
- Final costs presented following assessments from Service Provider's, relating to Capacity.
- Release & Environment strategy discussed with the Programme.

Progress expected in the coming month:

- Final costs presented following FIAs from SP's, relating to Capacity, expected Mid Apr.
- Detailed approach to Release & Environment approach to be agreed with DCC & the Programme.

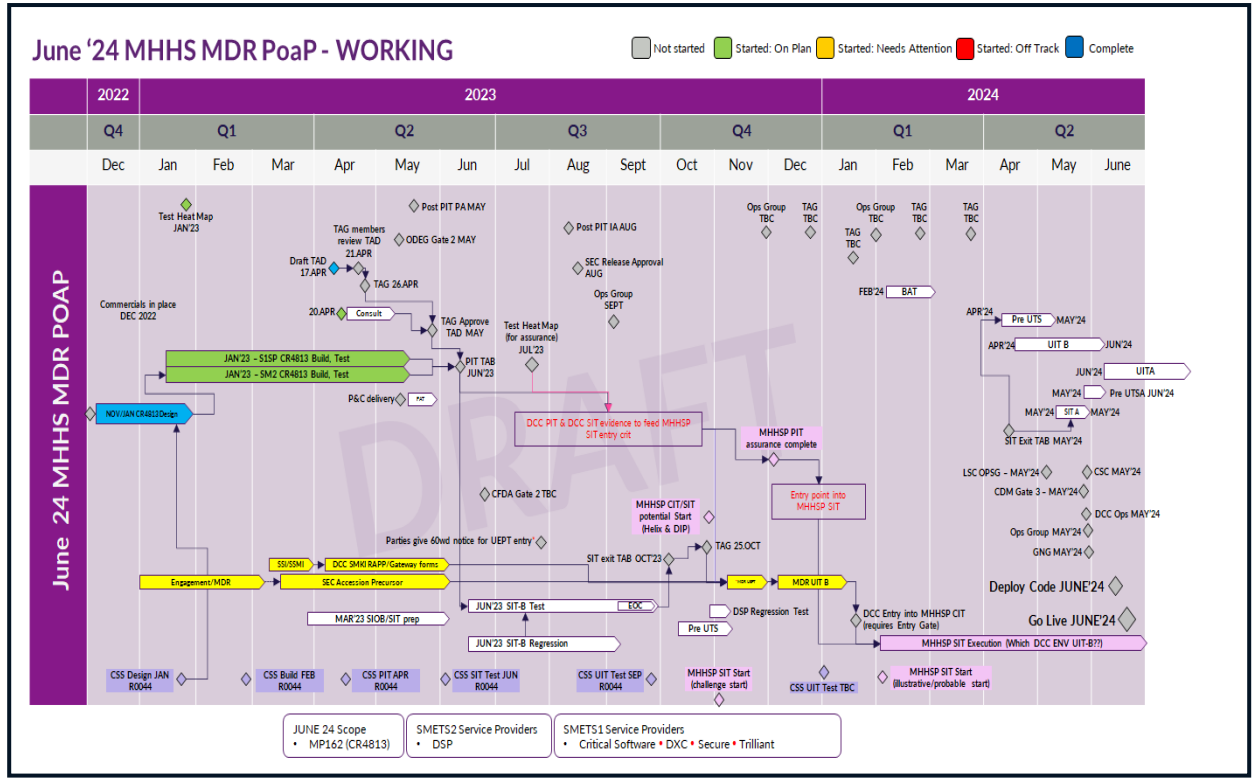
Party Milestones & Deliverables	Original or ~~Baseline~~ Date	Forecast date & RAG
Ofgem approval	25-10-22	28-11-22
MP162 DBT complete	15-05-23	15-05-23
MP162 SIT complete	15-09-23	15-09-23
MP162 MDR UIT Start	17-07-23	17-07-23
MP162 Go-LIVE	20-06-24	20-06-24
MHHS Capacity uplift	20-06-24	20-06-24

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
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

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
DSP Programme baselines against MP162/MHHS Programme requirements and go-live	Re-baselining of DCC	31-10-23	MHHSP

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
New MDR Party available for UIT testing	Liaise with MHHS Programme on upcoming parties – 3 approached to date, 1 under checking.	01-07-23	MHHSP
Registration data design	R0097 raised to ensure use of Registration data is enabled by Registration Services, without this the functionality will not be used.	28-04-23	MHHSP



MHHS - Delivery Update - DNOs

Number of organisations who reported was 6 of 6

Report Date: 25-04-23

LDSOs
DNOs

RAGs	Overall	Approach	Plan	Resources	~~Budget~~	Risk

Status & Outlook

Activities reported as progressed in February:

- Attended meetings & working groups
- Stage 0 Registrations UAT in progress (June 23)
- Internal planning
- Internal Functional Analysis/Design
- Adapter service contract due to be signed
- Continued preparation for MPRS8.2
- Continued looking at UMSO options
- Reviewed/discussed possibility of being a SIT volunteer
- Attended meetings/discussions regrading 'placing reliance'
- Finalising response to CR022 (R3 Consultation).

Activities reported as expected to progress in March:

- Various working group attendance
- Stage 0 Registrations build complete; UAT
- Internal planning
- Internal Functional Analysis/Design
- Adapter service contract signed

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	Feb -April 2023
Whether to participate in SIT (and if so for which systems)	If no decision is made, by default will participate in non-SIT LDSO (qualification) testing	23/04/23 (as per Programme date)
Review of UMSO process as defined in Design and possible proposal to raise a CR	Potential cost implications and duplication of industry data	Mid May

Decisions required from the programme	Impact of no decision	Decision by when?
Design baselines to be completed	Impact on delivery of DNO supporting systems	ASAP
Essential DIP documentation (CoCo & PHID) to be provided	Delays in DNO supporting processes being in place to complete CIT/SIT	ASAP
Replan – publication of updated programme plan	Plan status is Amber until programme milestones are confirmed	ASAP
CR Decisions Required (e.g. C017/CR018/CR019) to provide further clarity on enduring design	CR017/18 Requirements ambiguous leading to potential misalignment across parties; CR019 DNO's unable to recover DUoS charges	ASAP
Scope for SIT (Functional) participation by the DNO (Durabill/UMSO/LDSO approaches) to be clarified by the programme.	Dependency on systems and data for the SIT may not be clarified impacting quality of testing.	ASAP

Escalations (priority items for attention and support from the programme)	Action by when?
Clarification of SIT approach and testing requirements for LDSO (DUoS billing) and UMSO processes	ASAP
Clarification of Qualification testing requirements (non Registrations)	ASAP
Clarification of DNO to DNO processing via DIP (UMSO and LDSO processes	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	
Lack of central programme design issues log	No visibility of issues/progress	Publish a design issues log
CIT entry criteria and Testing approach is unclear potentially preventing CIT start until all PIT testing is complete	Potentially delays systems from being ready for SIT start	Increased phasing of deliverables/ parallel execution
No DPIA has been published to allow the planned data extract to be provided	If this is not signed off by each provider, this will cause a mismatch in test date for SIT	Require documentation/discussion to progress this with GDPR teams ASAP. All parties to be engaged
DUOS billing Potential loss of DNO revenue Provide ability for DNO's to test DUOs billing in SIT	DUOS billing Potential loss of DNO revenue Provide ability for DNO's to test DUOs billing in SIT	DUOS billing Potential loss of DNO revenue Provide ability for DNO's to test DUOs billing in SIT

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)		
M9 - SIT CIT start	**30-Oct-23** **4** Medium confidence **2** Low confidence	***St Clements to provide for MPRS** ***Durabill/UMSO/LDSO approaches to be decided – subject to programme clarifications**
SIT (Functional) start	**27-Feb-24** 6 Medium confidence	***St Clements to provide for MPRS** ***Durabill/UMSO/LDSO approaches to be decided – subject to programme clarifications**
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs	**07-Mar-25** 6 Medium confidence	***St Clements to provide for MPRS** ***Durabill/UMSO/LDSO approaches to be decided – subject to programme clarifications**
For those intending to participate in non-SIT LDSO (qualification) testing		
Non-SIT LDSOs testing start (Functional / Migration / NFT / Ops)	**02-Jul-24** 6 Medium confidence	DURABILL/UMSO/LDSO approaches to be decided – subject to programme clarifications Subject to no further significant design changes These confidence ratings include those DNOs who have volunteered for SIT
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs	**07-Mar-25** **6** Medium confidence	Programme requirements in relation to requirements for LDSO/Billing/UMSO are still to be clarified. Guided by St Clements for readiness on Registration (MPRS) and Network Operators (DURABILL) start of testing by 02/07/24. Subject to no further significant design changes These confidence ratings include those DNOs who have volunteered for SIT

DNO Adaptor status

Decision to use an adaptor		Functional scope of adaptor agreed		Adaptor procurement completed
Yes **6**	No	MPRS only	Wider **6**	**0**

MHHS - Delivery Update - iDNOs

Number of organisations who reported was 6 of 12

Report Date: 24-04-23

LDSOs
iDNOs

RAGs	Overall	Approach	Plan	Resources	Budget	Risk

Status & Outlook

Activities reported as progressed in April:

- Reviewed and responded to further releases of draft code changes
- Reviewed and responded to further changes to the Transition Design artefacts
- Reviewed the latest version of the Placing Reliance Policy document
- Progressed IDNO collaborative testing proposals
- Monitored progress of LDSO DINs
- Reviewed and responded to CR022 – *Programme Re-Plan Change Proposal*
- Completed latest stage of our DBT Systems Requirements
- Review and agree contracts for service offering

Activities reported as expected to progress in May:

- Continue to gain better understanding of SIT and Qualification requirements
- Continued review draft Code changes
- Continued monitoring of LDSO DINs progress, particularly CR017 and CR018 and unnecessary/duplicate messaging
- Continued progress of IDNO placing reliance testing
- To start bringing DBT plans to maturity through engagement with service providers
- Submit Design Assurance Questionnaire

Decisions to be made by IDNOs	Impact of no decision	Decision by when?
SIT participation	Potential to have no LDSO SIT party	23.05.23
Understand whether the IDNO Placing Reliance for SIT meets the Programme Requirements.	Perceived lack of IDNO participation in important test phase.	26.04.23
Commercials provided by Service Provider for Collaborative Testing – to be signed by 12th May	Indecision on which parties are participating in SIT.	12.05.23

Decisions required from the programme	Impact of no decision	Decision by when?
CR017 – *LDSO DIP Messages Processing Times* and CR018 – *Registration Service Operating Hours*	Additional delay to Registration system readiness. Additional cost. Additional resource for transition and enduring process	10.05.23
Clarifications on LDSO DINs, including unnecessary/duplicate messaging	Unable to proceed fully with DBT and, ultimately, to be ready for M9, although it appears to be somewhat mitigated by CR022 proposals	ASAP – impacting our own and SCS' DBT
Clarification from the Programme on what is required for M9, and subsequent Re-Plan proposed changes	May influence the priority of build and could impact M9 readiness and subsequent milestones	ASAP
Suitability of Service Provider taking members of INA and IDNO Community through test phases as collective.	Uncertainty of IDNO participants in SIT.	23.05.23

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
Registration system not ready for M9	IDNOs unable to commence SIT	Engagement with Programme to determine Musts and Non-Essentials for SIT start
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

IDNO Key Milestones (in Round 3 plan)	Round 3 date & confidence level / RAG	Reasons for confidence levels
For those intending to participate in Systems Integration Testing (SIT)		
M9 - SIT CIT start	**30-Oct-23** [0] High confidence [2] Medium confidence [2] Low confidence	It is still not fully clear what is required for CIT start. This phase suggests that only testing with our adapter will be required but we are expected to have completed PIT prior to CIT start. It's also not clear if this requirement is on a system by system basis or if it needs to be all of our systems or nothing i.e. does it matter if one of our systems has not fully completed PIT? In addition to the above, although guidance has been issued for PIT there's no format for how PIT documentation has to be completed therefore it's impossible to give an accurate timeline of how long generation of documentation of testing will take.
SIT (Functional) start	**27-Feb-24** [0] High confidence [2] Medium confidence [2] Low confidence	This confidence level is caveated on the basis that if CIT start only extends as far as adapter testing then with the exception of any additional design changes effecting development occurring then this date should be achievable.
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs	**07-Mar-25** [#] High confidence [3] Medium confidence [1] Low confidence	Again this is all based on the above completing on time for all affected systems.
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 [1] Low confidence	We would hope to be in a position to start non-SIT LDSO testing on time. However, it has been apparent from discussions on qualification that there remains areas for the Programme to clarify and provide more detail of what is expected. This may result in timescales being pushed out but we will continue to engage with he Programme
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs	**07-Mar-25** [0] High confidence [2] Medium confidence [1] Low confidence	We would hope to be in a position to support migration start in a timely manner. However, this will be caveated by the actions taken by the Programme and any prior steps being completed on time

IDNO Adaptor status

Decision to use an adaptor		Functional scope of adaptor agreed		Adaptor procurement completed
Yes [6]	No [0]	MPRS only [0]	Wider [0]	[0]

Central Party budgets – 22/23

Central party finance
Updated to April 23

Overarching Costs for MHHS Central Parties FY 22/23

£M	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
MHHS Budget	1.16	1.17	1.21	1.21	1.22	1.64	1.57	1.59	1.58	1.58	1.58	3.96*	**19.47**
MHHS Actual/Forecast	1.03	0.92	1.10	1.09	1.23	1.12	1.44	1.45	0.91	2.05	2.51	2.63	**17.48**
DCC Budget	0	0	0	0	0	0	0	0	0	0	0.52	0.52	**1.04**
DCC Actual/Forecast	0	0	0	0	0	0	0	0	0	0	0.52	0.52	**1.04**
Helix Budget	1.02	2.01	1.75	1.94	2.13	2.12	2.07	2.21	1.74	1.45	1.36	1.3	**21.1**
Helix Actual/Forecast	0.96	1.98	1.82	1.52	1.95	1.85	2.07	2.21	1.69	1.83	1.82	2.2	**21.9**
RECCo Budget	0.06	0.06	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	**0.45**
RECCo Actual/Forecast	0	0	0	0.01	0.03	0.02	0.01	0.05	0.03	0.08	0.05	0.13	**0.40**
Total Budget	**2.24**	**3.24**	**3.02**	**3.18**	**3.38**	**3.79**	**3.67**	**3.83**	**3.35**	**3.06**	**3.49**	**5.81**	**42.06**
Total Forecast/Actual	**1.99**	**2.9**	**2.92**	**2.62**	**3.21**	**2.99**	**3.52**	**3.71**	**2.63**	**3.96**	**4.90**	**5.48**	**40.83**

Please note:
- MHHS: * = includes contingency. £2.22m projected giveback
- RECCo: include only 3rd party costs (do not include internal resources)
- DCC: data subject change alongside MP162 progression. Financials being finalized alongside Service Providers

Central Party budgets – 23/24

Overarching Costs for MHHS Central Parties FY 23/24

£M	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
MHHS Budget	1.03	2.95	1.25	1.35	2.09	1.22	1.19	1.76	1.14	1.23	1.6	3.02*	**19.83**
MHHS Actual/Forecast	1.88	1.95	1.98	2.01	1.61	1.64	1.85	1.37	1.07	1.34	1.39	1.77	**19.86**
DCC Budget													
DCC Actual/Forecast													
Helix Budget	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.48	0.48	0.48	0.48	0.48	**19.2**
Helix Actual/Forecast	2.4	2.4	2.4	2.4	2.4	2.4	2.4	0.48	0.48	0.48	0.48	0.48	**19.2**
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 Actual/Forecast													
Total Budget													
Total Forecast/Actual													

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

SI Workstream – Progress Update

SI Progress
Updated to 2504/23

Workstream	Progress	Nest steps		
		What	Owner	By When
Design	1000+ design query levels received: • Low volume outstanding (Approx 60) • Further wave of queries is expected following code drafting feedback, which may elongate response times, these may feed into the design artefact updates • 265 on DIN log entries including 138 in the first planned June release to be addressed by the new governance process agreed at DAG • Currently 3 artefacts released planned – end June, end July and end Sep 23 • First set of review comments against the updated due 9-May-23	Continue to answer queries and monitor levels Where possible, address queries in bulk (e.g. ESG) Consider how to speed up overall approval of design artefacts changes. Respond to comments received against the design artefact updates	MHHS MHHS MHHS	Ongoing Ongoing 10-24 May 23
Design	Design Assurance • Phase 1 – issued to CCPs, responses due in 02- May-23 • Phase 2 – SIT volunteers due to be issued 09- May-23	CPPs to prepare and submit responses SIT volunteers to prepare and submit responses	CPPs SIT volunteers	02-May-23 29-May-23
Testing	SIT volunteers – MVC is established, Placing reliance Policy being approved (final PAB 27-Apr-23) and volunteers are making proposals on how they will conduct SIT	Submit proposals Continue to seek SIT volunteers	SIT volunteers MHHS	23-May-23 23-May-23
Testing	Test data requirements – POAP provided to DWG and SITWG; Data deliverables in progress; Data cut moved back (in the re-plan) 2 months to end Aug 23	Data deliverables	MHHS	Ongoing
Testing	Test reporting and defect management – “ADO User Guide” and “Defect Approach and Plan” both being drafted, released in May-23	Documents released for industry review	MHHS	May 23
Testing	SIT (F) – LSCs proposal on a phased entry in to SIT is under MHHS Programme consideration	Agree approach and take to SITWG	MHHS	May-23
Sims & Ems	First 15 DIP Simulator interfaces live and being accessed by 40 PPs Further 6/32 developed – to be release end Jun 23	Further development	MHHS	Jun 23
Sims & Ems	Data generators in progress. Beta release of the meter (IF-021) data generator is available with 3 PPs testing	Further development	MHHS	Ongoing
Migration & Transition	Initial Data Cleanse Plan Technical Groups completed. Further analysis to be completed. Draft plan and findings to be released for industry review in May, ahead of final approval in June 23	Draft document released for industry review Final document released for industry review	MHHS MHHS	03-May-23 Jun-23
Migration & Transition	Reverse Migration Exclusions. Evidence has been collected to support the exclusion of Complex Sites/Shared Metering Points. Formal decision needs to be made to exclude these MPANs	Decision to be made at PSG	MHHS & PSG	Jun-23
Migration & Transition	Migration, Data and Cut-over Strategy drafted, ahead of final document being issued in early May 23	Final document released for industry review	MHHS	03-May-23
Migration & Transition	Migration Model continues to be refined	Updated model to be shared at MWG	MHHS	11-May-23

MHHS Programme – Code drafting progress update

Code drafting
Updated to 25/04/23

Status Summary

- Code drafting plan has been amended following the round 3 consultation and CCAG direction
- Tranche 1 code artefact consultation closed on 13th March. 1,107 comments were received by participants
- Code drafting resource is still required to support transition design
- Tranche 2 code drafting began on 1st March with planning and the approach agreed (Registrations & BSC Central Services)

April Deliverables

- Triage and action consultation comments from tranche 1
- Share consultation comments and Programme responses with industry
- Present post consultation tranche 1 code artefacts to CDWG
- Continue code drafting of Registrations and BSC Central Services

Risks

#	Risk or Issue	Mitigation Plan	RAG
I091	The Work-Off Plan has remaining items which stops code drafting being complete	The design needs to be complete to enable the code drafting to be complete Update: The code replan will take this issue into consideration and plan accordingly.	High Impact
I092	The Design has inconsistencies. The code will either continue the Design inconsistencies or inconsistencies will need to be resolved at the design level	The design needs to be complete to enable the code drafting to be complete Update: The code replan will take this issue into consideration and plan accordingly	High Impact
R053	There is a risk that the programme may not be able to resource adequately against the code draft plan. (Either the programme does not get the resources required in time to start drafting or it does not get the resource to deliver drafting)	The code replan will take this risk into consideration and plan accordingly.	High Risk
R355	There is a risk that Consequential Change solutions are not approved by responsible parties in advance of the associated Code Drafting topics being started	If consequential code changes are not submitted within the code drafting plan timescales (August 2023) Code bodies will miss the consequential code change consultation and can raise a change request to bring the items back into programme scope. The code replan will take this risk into consideration and plan accordingly.	Medium Risk

Drafting Milestones	Target date*	Forecast date	Status
Data Services approved at CCAG	26/4/23	24/5/23	BSC
Metering Services approved at CCAG	26/4/23	24/5/23	REC BSC
Interfaces/Data Specification approved at CCAG	28/6/23	13/11/23	Amber
Registration approved at CCAG	28/6/23	23/0823	Amber
Governance and Qualification approved at CCAG	23/8/23	13/11/23	Amber
BSC Central Services approved at CCAG	23/8/23	14/09/23	Amber
Migration Text approved at CCAG	25/10/23	13/11/23	Amber
Transition Text approved at CCAG	25/10/23	25/01/24	Amber
Topic Area Mop Up approved at CCAG	24/1/24	13/05/24	Amber
Finalise and consistency check approved at CCAG	27/3/24	23/08/24	Amber
Code changes baselined (M6)	4/4/24	23/08/24	Amber
Smart Meters Act powers enabled (M7)	6/12/24	11/11/24	Green
Code changes delivered (M8)	7/3/25	7/3/25	Green

*dates subject to Replan CR

Level 3 Advisory Groups – Activity overview and forward look

Advisory Groups
Updated to 25/04/23

Design Advisory Group (DAG)

Updates from DAG 12 April 2023

1. **Change Requests**: the DAG looked to make decisions on three Change Requests. The DAG agreed to update and re-issue CR018 to Impact Assessment and to defer the decision on CR017 to be made alongside CR018. The DAG approved CR019.
2. **Design change management updates:** The Programme presented the revised Change Management process and shared the forward plan for the first Interim Release of updated design artefacts. DAG members provided feedback.

DAG papers available here

Upcoming agenda items

- CR017/018 Decision
- DAG ToR refresh
- Ongoing design change management

Cross-Code Advisory Group (CCAG)

Update from CCAG 22 March 2023

1. **Code Drafting Plan:** CCAG received updates on changes to the plan arising both from feedback received following the first code drafting consultation and as part of the Programme Replan. Consultation timeframes will be extended to three weeks, and traceability matrices have been produced showing the level of documentation which may require review in future to assist participants resource planning.
2. **BSC Issue 101:** BSC provided an overview of the work of this issues group. CCAG were advised the group will produce a solution and recommendation to be included in an SCR-driven modification to the BSC. The Programme are reviewing whether there may be impacts on the DIP technical design
3. **CDWG Update:** CCAG were given an overview of the first code drafting consultation and forward plan for the CDWG. Over 1,100 comments were received from the majority of participant constituencies.

CCAG papers available here

Upcoming agenda items

- Tranche 1 Code drafting
- Preparation for registration consultation
- Ongoing code draft reporting and horizon scanning

Testing and Migration Advisory Group (TMAG)

Update from TMAG 19 April 2023

1. **Migration, Cutover & Data Strategy:** The Programme provided an update on progress to date
2. **Data Cleanse Plan:** The Programme provided an update on initial findings from the Data Cleanse technical sessions
3. **MPAN exclusion:** The Programme provided an update on MPAN exclusion for reverse migration
4. **DBT1 PIT:** The Programme provided an update on DBT1 PIT options
5. **Placing Reliance Policy update:** The Placing Reliance Policy was provisionally approved, subject to queries by Friday
6. **CIT & Functional Test Approach and Plan:** The Programme provided an update on the CIT & Functional Test Approach and Plan
7. **Test Data Approach and Plan:** The Programme provided an update on progress of the Test Data Approach and Plan
8. **Working group updates** – Updates were provided on activity at the Systems Integration Testing, Qualification and Non-Functional Testing Working Groups

TMAG papers available here

Upcoming agenda items

- Data Cleanse Plan
- CIT & Functional Test Approach and Plan
- Test Data Approach and Plan
- Release and Configuration Management Approach
- Migration, Cutover and Data Strategy

Key themes of PPC engagement (25 March 2022 – 25 April 2023)

Replan

- The PPC team supported the Programme with confirming any significant changes since the **Replan Consultation 3** to participants.
- Positive feedback from participants was received during bilats regarding the Replan and will improve the certainty of the Programme timeline for them.
- **Next steps:** Continue to answer participant queries about the Replan in bilaterals.

Monitoring the health of the MVC

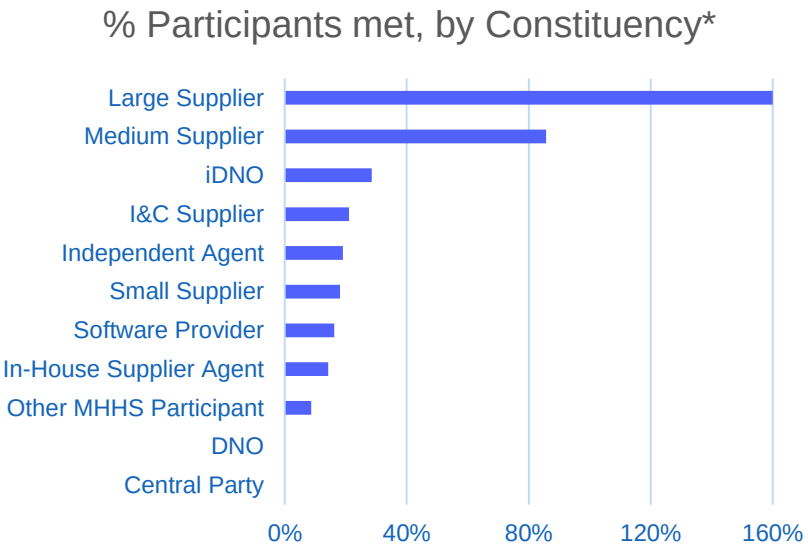
- The PPC team are monitoring the engagement with SIT Participation alongside Dom and Simon and boosting the engagement of participants where needed, especially amongst those critical participants.
- Increase discussion of engaging with FTIG during bilaterals.
- **Next Steps:** Discuss documentation that all workstreams can use to manage SIT participation to include who has volunteered, their readiness to participate and which, if any, system that want to carry with them, i.e. software provider.

Communications Channels

- The PPC team supported the Programme with one webinar on Participant Design Assurance Approach on 30 March.
- Dates for next webinar have been set: Code of Connections and PKI Policy **(11 May**) and, Code Consultation webinar **(23 May).**
- **Next steps:** Develop the two upcoming webinars which are on the 11th May and on the 23rd May. These have both been circulated in the Clock and receiving positive engagement so far.

Participant Engagement by Constituency

The PPC team held **43** bilateral meetings with Participants this month. The chart below shows the percentage of these Participants in each Constituency that were met.



*figures greater than 100% owing to Participants receiving more than one meeting

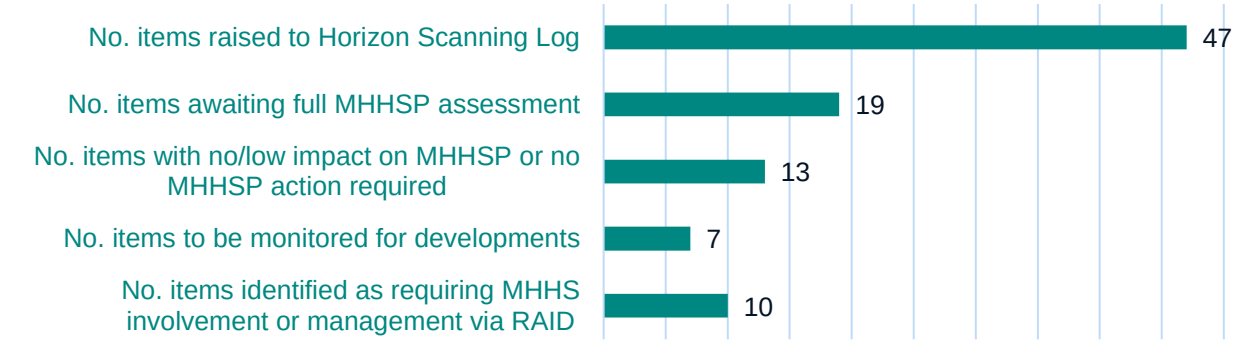
Next Steps:

- Handover of Agents from Pete to Alice as Pete rolls off the Programme.

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: 42 – REC: 22, BSC: 8, SEC: 4, DCUSA: 7, CUSC: 1

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

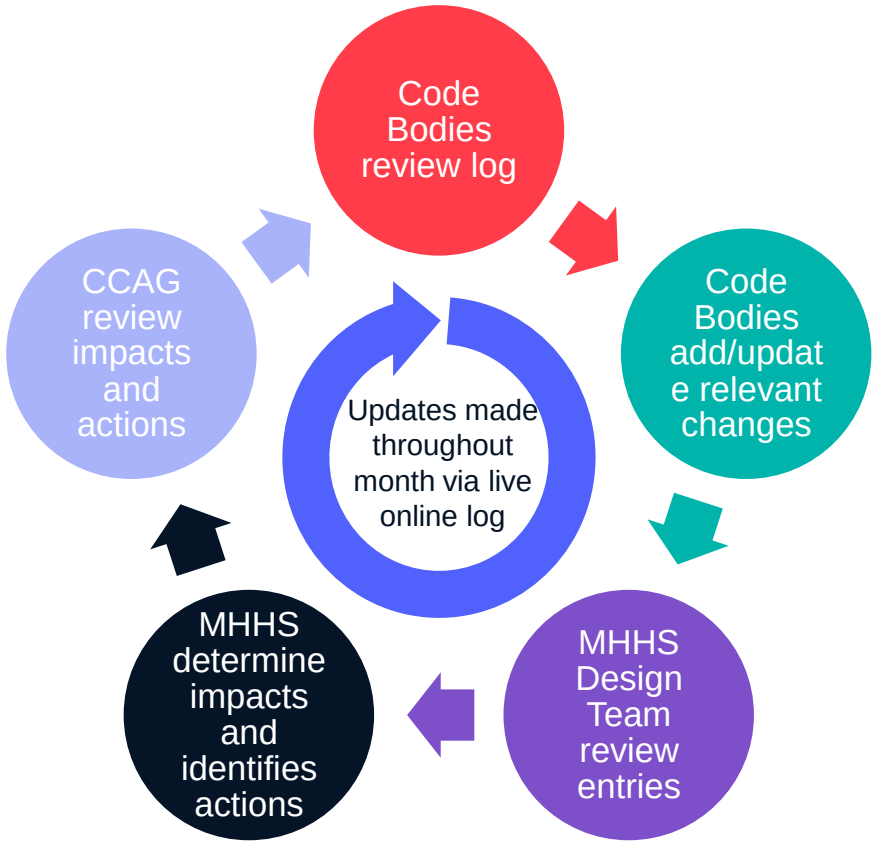
Criticality of horizon scanning items – High: **4**, Medium to High: **3**, Medium: **3**, Low: **13**

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.



MHHS IPA

Monthly Assurance Dashboard - April 2023

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)** - Monthly cadence of interactions with MHHSP to support embedded assurance **Completed** - Summary report of progress against actions raised by IPA shared with Ofgem and SRO.
- **MHHS Programme Plan (WP3)** - Embedded assurance in programme re-plan activity - **In Progress** - Executive summary of final PA Report on re-plan will be shared ahead of June PSG, with full report shared with SRO and Ofgem.
- **Design Documentation (WP4)** - Embedded assurance in design activity - **Completed** - IPA provided feedback on migration design process. **In Progress** - Monitoring actions to progress Data Assurance report findings in Data Working Group and Migration Working Group. Draft ToR for review of activity needed to ensure MPRS readiness.
- **Conflicts of Interest (WP 5)** - **In Progress** - Terms of Reference for forward assurance shared with SRO and Ofgem for feedback.

Stage-Based Assurance

- **Test Assurance (WP9, 10, 11)** - Embedded assurance in testing activity - **Completed** - LDSO targeted assurance report finalised and shared with Ofgem, SRO and LDSO PSG reps. **In progress** - WP9, 10, 11 Terms of Reference being finalised and delivery being mobilised.

Upcoming Assurance Activities

- **WP3** - Final report on re-plan artefacts and recommendation to Ofgem and SRO
- **WP9/10/11 -** Mobilisation and delivery of this work package
- **Revision of the Independent Programme Assurance Framework and assurance plan -** To be reviewed and updated following baselining of the Programme Re-plan

Assurance Action Status

Total agreed recommendations made in reports to PSG

Complete	In progress
20	10

Activate Windows
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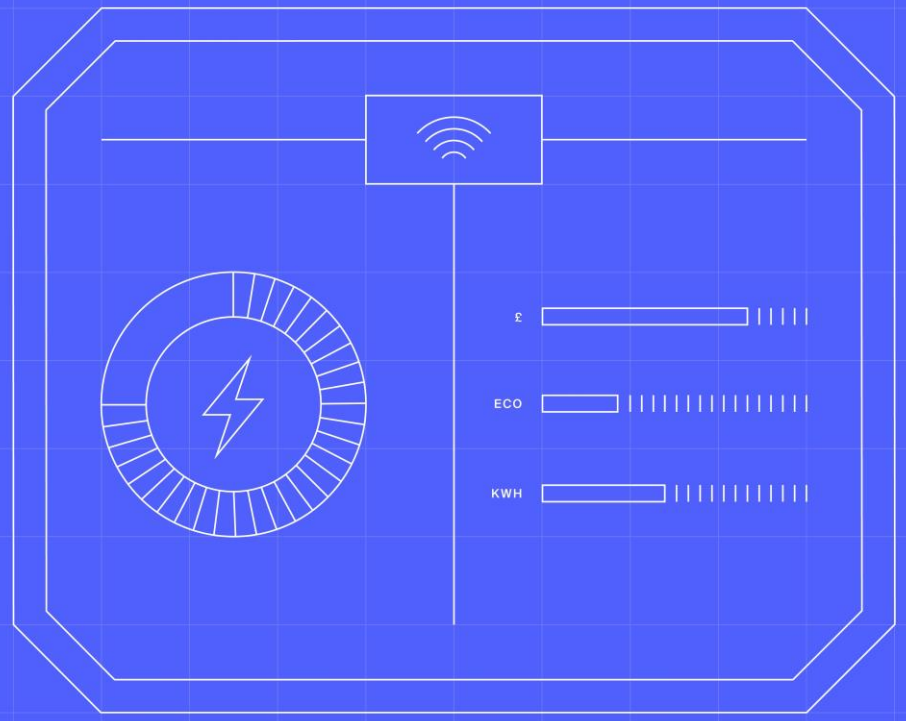
Summary and Next Steps

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

Chair and Secretariat

5 mins



Summary and next steps

1. Confirm actions and decisions from meeting

2. Next PSG meetings:

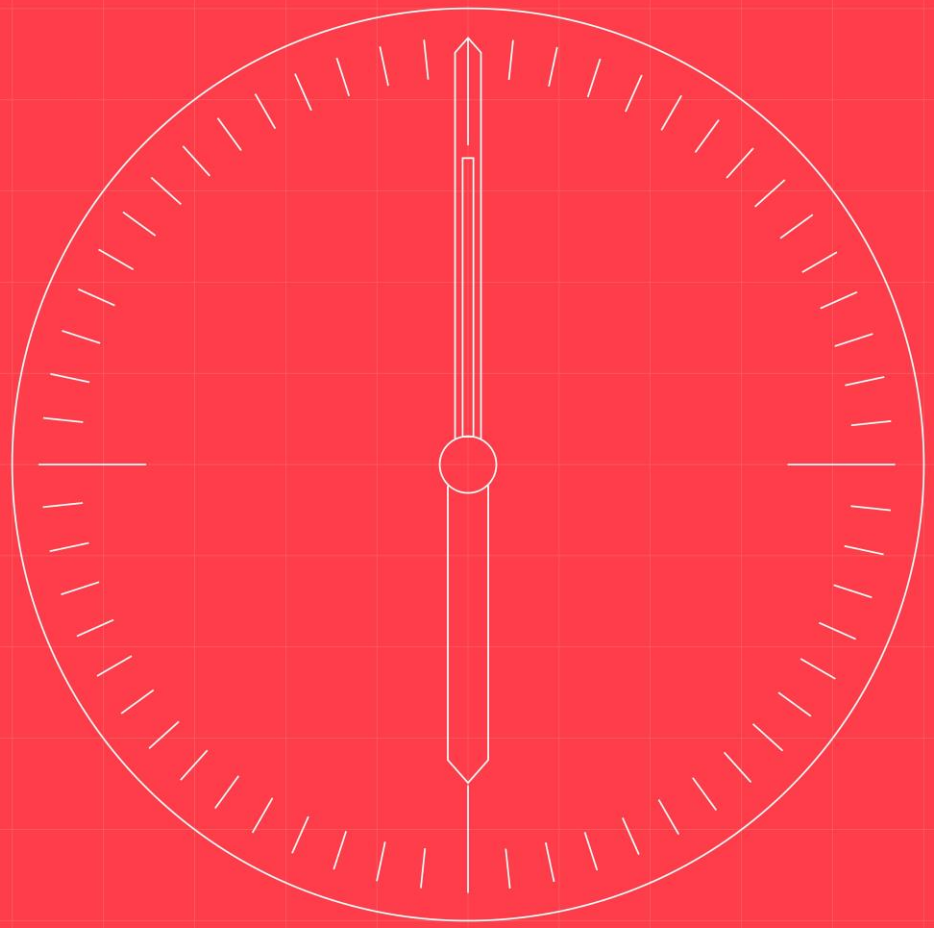
   - **12 May 2023 09:00 - 09:45** – Extraordinary PSG (CR022 decision)
   - **08 June 2023 10:00 - 12:00** – Regular PSG, moved by one day for Ofgem replan decision (note: face-to-face at Elexon Offices)

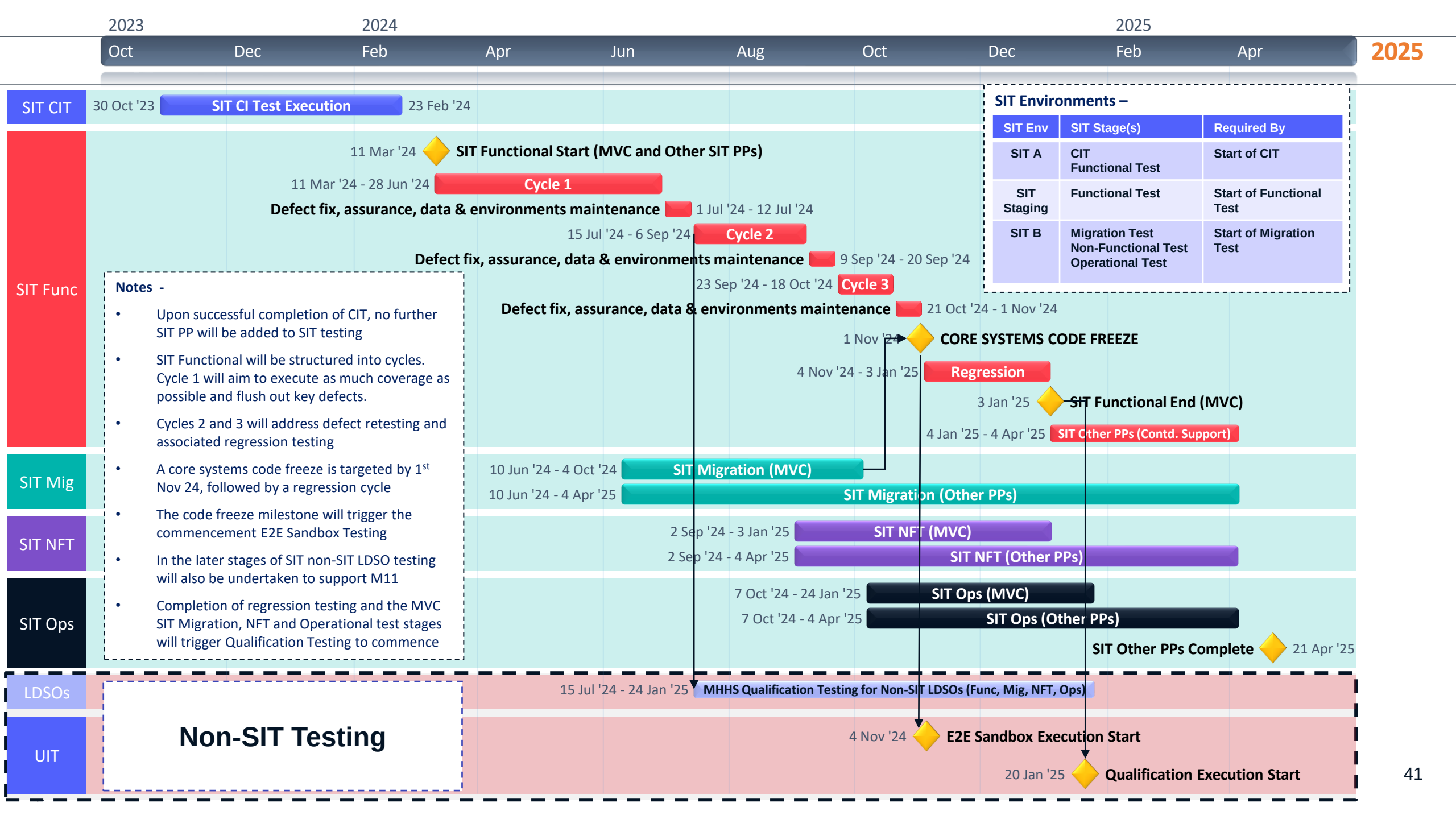
08 June 2023 agenda items	Standing items
• MHHS delivery approach • Decision from Ofgem on Programme Change Request CR022 (TBC) • SIT MVC Update (TBC)	• Minutes and action review • Sponsor update • Delivery dashboards • Summary and next steps

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

Appendix 1

- SIT PoaP
- Guidance on PIT Completion / SIT Readiness supporting SIT CIT Start




2023
2024
2025
Oct
Dec
Feb
Apr
Jun
Aug
Oct
Dec
Feb
Apr
2025
SIT CIT
30 Oct '23
SIT CI Test Execution
23 Feb '24
SIT Environments –
SIT Env
SIT Stage(s)
Required By
SIT A
CIT
Functional Test
Start of CIT
SIT Staging
Functional Test
Start of Functional Test
SIT B
Migration Test
Non-Functional Test
Operational Test
Start of Migration Test
SIT Func
11 Mar '24
SIT Functional Start (MVC and Other SIT PPs)
11 Mar '24 - 28 Jun '24
Cycle 1
Defect fix, assurance, data & environments maintenance
1 Jul '24 - 12 Jul '24
15 Jul '24 - 6 Sep '24
Cycle 2
Defect fix, assurance, data & environments maintenance
9 Sep '24 - 20 Sep '24
23 Sep '24 - 18 Oct '24
Cycle 3
Defect fix, assurance, data & environments maintenance
21 Oct '24 - 1 Nov '24
1 Nov '24
CORE SYSTEMS CODE FREEZE
4 Nov '24 - 3 Jan '25
Regression
3 Jan '25
SIT Functional End (MVC)
4 Jan '25 - 4 Apr '25
SIT Other PPs (Contd. Support)
Notes -
Upon successful completion of CIT, no further SIT PP will be added to SIT testing
SIT Functional will be structured into cycles. Cycle 1 will aim to execute as much coverage as possible and flush out key defects.
Cycles 2 and 3 will address defect retesting and associated regression testing
A core systems code freeze is targeted by 1st Nov 24, followed by a regression cycle
The code freeze milestone will trigger the commencement E2E Sandbox Testing
In the later stages of SIT non-SIT LDSO testing will also be undertaken to support M11
Completion of regression testing and the MVC SIT Migration, NFT and Operational test stages will trigger Qualification Testing to commence
SIT Mig
10 Jun '24 - 4 Oct '24
SIT Migration (MVC)
10 Jun '24 - 4 Apr '25
SIT Migration (Other PPs)
SIT NFT
2 Sep '24 - 3 Jan '25
SIT NFT (MVC)
2 Sep '24 - 4 Apr '25
SIT NFT (Other PPs)
SIT Ops
7 Oct '24 - 24 Jan '25
SIT Ops (MVC)
7 Oct '24 - 4 Apr '25
SIT Ops (Other PPs)
SIT Other PPs Complete
21 Apr '25
LDSOs
15 Jul '24 - 24 Jan '25
MHHS Qualification Testing for Non-SIT LDSOs (Func, Mig, NFT, Ops)
UIT
Non-SIT Testing
4 Nov '24
E2E Sandbox Execution Start
20 Jan '25
Qualification Execution Start

PIT Completion / SIT Readiness supporting SIT CIT Start

New guidance on readiness milestones based on the 'Interval' a PP is expected to enter SIT CIT:

	DIP, VAS, Settlement Operations, LSS, MDS	DTN, MPRS (Drop 1)	Smart Data Services, Advanced Data Services	Metering Services	Suppliers, Network Operations, UMSO	MPRS (Drop 2) DSP, CSS, EES, UMSDS

SIT CIT Readiness

Activity / Milestone	Notes	CIT Interval 1	CIT Interval 2	CIT Interval 3	CIT Interval 4	CIT Interval 5	CIT Interval 6
SIT CIT Start	**CIT Interval 1 Start = PSG Milestone (M9)**	**30th Oct 23**	**13th Nov 23**	**27th Nov 23**	**11th Dec 23**	**15th Jan 24***	**29th Jan 24**
SIT CIT Ready to Start (TMAG Milestone)	TMAG Milestone - 1 week prior to CIT Start for each CIT Interval	23rd Oct 23	6th Nov 23	20th Nov 23	4th Dec 23	8th Jan 24	22nd Jan 24
SI Overarching CIT Test Readiness Report reviewed by SITWG / IPA	• 5 working days for review	13th Oct 23	3rd Nov 23	17th Nov 23	1st Dec	5th Jan 24	19th Jan 24
SI Issues Overarching CIT Test Readiness Report	• SI releases report 2 weeks prior to 'SIT CIT Ready to Start' milestone for CIT Interval 1, allowing for review and mop up ahead of PSG (M9) • SI releases iterated report 1 week prior to 'SIT CIT Ready to Start' milestone for CIT Intervals 2-6	6th Oct 23	27th Oct 23	10th Nov 23	27th Nov 23	18th Dec 23	15th Jan 24
PP CIT Test Readiness Reports Assured by SI	5 working days for review	6th Oct 23	27th Oct 23	10th Nov 23	24th Nov 23	15th Dec 23	12th Jan 24
PPs Issue CIT Test Readiness Reports		29th Sep 23	20th Oct 23	3rd Nov 23	17th Nov 23	8th Dec 23	5th Jan 24
Test Data Load and Verification Complete	Period of 4 weeks prior to PP CIT Test Readiness Report	29th Sep 23	20th Oct 23	3rd Nov 23	17th Nov 23	8th Dec 23	5th Jan 24
MHHS code deployed to SIT PPs' envs	Period of 2 weeks prior to PP CIT Test Readiness Report	29th Sep 23	20th Oct 23	3rd Nov 23	17th Nov 23	8th Dec 23	5th Jan 24
Environment Connectivity Proving Complete	**Reduced from 8 weeks to 4 weeks**	29th Sep 23	20th Oct 23	3rd Nov 23	17th Nov 23	8th Dec 23	5th Jan 24
SIT PPs' envs ready to start connectivity proving (incl certs)		1st Sep 23	22nd Sep 23	6th Oct 23	20th Oct 23	10th Nov 23	24th Nov 23
PP Final PIT Completion Reports assured by SI	5 working days for review	6th Oct 23	27th Oct 23	10th Nov 23	24th Nov 23	15th Dec 23	12th Jan 24
PPs Issue Final PIT Completion Report	Final report allowing for any test completion delta	29th Sep 23 (No later than**)	20th Oct 23 (No later than**)	3rd Nov 23 (No later than**)	17th Nov 23 (No later than**)	8th Dec 23 (No later than**)	5th Jan 24 (No later than**)
Draft PIT Completion Reports assured by SI		29th Sep 23	20th Oct 23	3rd Nov 23	17th Nov 23	8th Dec 23	5th Jan 24
PPs Issue Draft PIT Completion Report**	A draft of the PIT test completion report to be submitted no later than 15 working days before the planned end of test execution	8th Sep 23 (No later than**)	29th Sep 23 (No later than**)	13th Oct 23 (No later than**)	27th Oct 23 (No later than**)	17th Nov 23 (No later than**)	1st Dec 23 (No later than**)

Note 1* – *There is an extended period between CIT Intervals 4 and 5 allowing for the Xmas and New Year period. Some readiness dates have also been adjusted accordingly for CIT Intervals 5 and 6.*

Note 2* – *SI Test Team will agree timelines for prior PIT deliverables with individual SIT PPs in line with their delivery plans, allowing for test assurance activities in the lead up to SIT*