



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

Programme Steering Group #21

08 June 2023

Version 1.0

MHHS-DEL1246

Document Classification: Public

Agenda

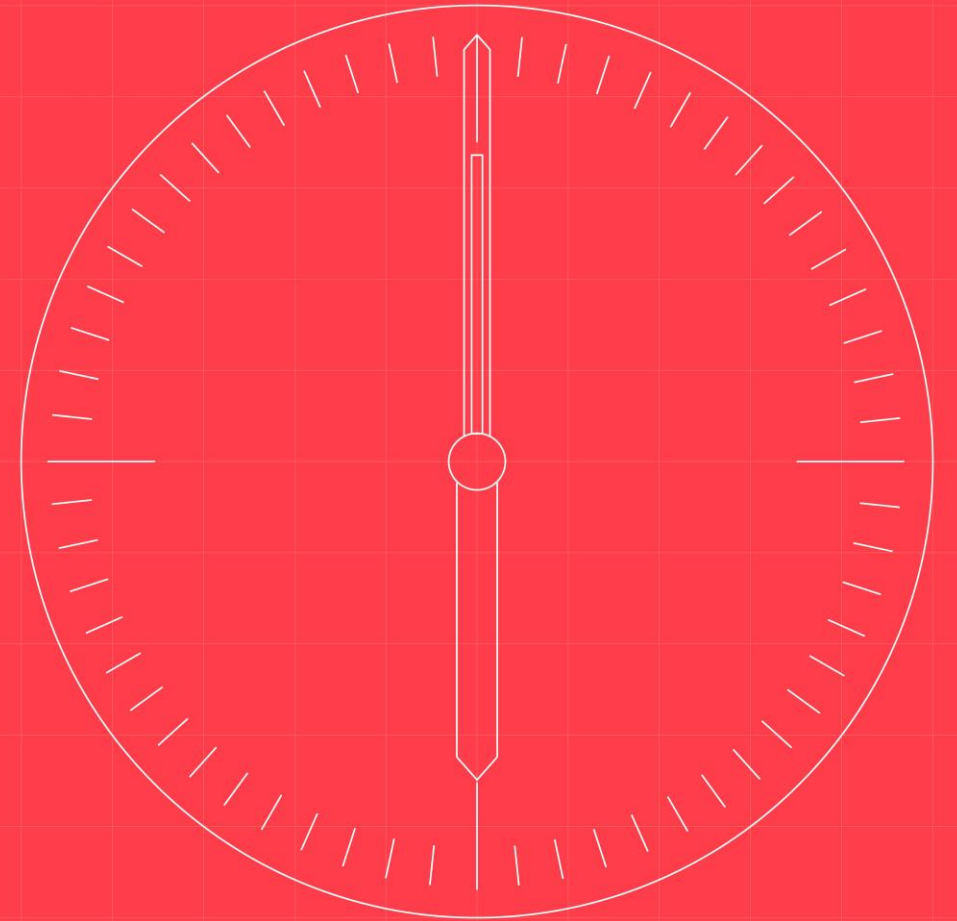
#	Item	Objective	Type	Lead	Time	Page
1	Welcome			Chair	13:00-13:05 5 mins	
2	Minutes and Actions	Approve minutes and review actions	Decision	Chair & Secretariat	13:05-13:10 5 mins	3
3	Sponsor Update	Verbal update from the Programme Sponsor	Information	Ofgem	13:10-13:15 5 mins	6
4	Programme Replan Baseline Decision	Update on Ofgem decision regarding changes to Level 1 milestones and decision on re-baseline of Programme Plan	Decision	Chair	13:15-13:25 10 mins	7
5	Customer Segment Reverse Migration Exclusion	Decision on Complex Sites and Shared Metering Points being excluded from Reverse Migration by delaying their migration beyond M14	Decision	Programme (Jason Brogden)	13:25-13:35 10 mins	11
6	FTIG Update and SIT Outlook	Update on activity at the recent FTIG meetings and SIT Outlook	Information	Programme (Keith Clark)	13:35-13:45 10 mins	13
7	Fast Track Design Update Process	Decision on new fast track change process	Decision	Programme (Paul Pettitt)	13:45-13:05 20 mins	15
8	Programme Reporting	Progress reporting against the Programme Plan	Information	Programme (Keith Clark)	13:05-13:15 10 mins	28
9	IPA Test Assurance Approach	Overview of the IPA's test assurance approach to be operated throughout SIT	Information	IPA (Richard Shilton)	13:15-13:25 10 mins	30
10	Delivery Dashboards	Questions from PSG members on delivery dashboard content	Information	Chair	13:25-13:30 5 mins	34
11	Summary and Next Steps	Summarise actions and decisions, and look ahead to next meeting	Information	Chair & Secretariat	13:30-13:35 5 mins	59
	Appendices	Appendix 1: Look Ahead – Consultation Dashboard				

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
PSG15-01	Progress work on customer segments in migration at the Migration Design Subgroup (MDSG)	Programme (Jason Brogden)	For Decision at this PSG	<p>For Decision: MHHS – Migration, Cutover and Data Strategy was approved at TMAG 31st May 2023 and included the below:</p> <ul style="list-style-type: none"> The Programme's recommendation will be to present the case for Complex Sites (as defined by BSCP502, Appendix 4.9) and Shared Metering Points being excluded from Reverse Migration to PSG. <p>PSG are asked to make a decision to agree with the recommendation above in agenda item 5.</p>
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	<p>ONGOING: 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.</p>
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	<p>ONGOING: To remain open and be aligned to Control Point 2.</p>
PSG18-05	Look into the assurance process for LDSOs for the accuracy of data for DUoS billing	Programme (Jason Brogden)	05/07/2023	<p>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 and Elexon Helix.</p>
PSG18-06	Progress implementation of CR015 Option A via the Design Authority (DA)	Programme (PMO)	08/06/2023	<p>RECOMMEND CLOSED: 31/05/23 - An initial industry meeting (DRG) was held on the 24th May where updates to design artefacts were proposed a further meeting is being scheduled follow feedback at the meeting to close off updates.</p>
PSG18-09	Provide 23/24 budgets in PSG central party finance dashboards	Programme and Central Parties	05/04/2023	<p>RECOMMEND CLOSED: DCC have provided 23/24 budgets with quarterly figures.</p>

Minutes and Actions (2 of 2)

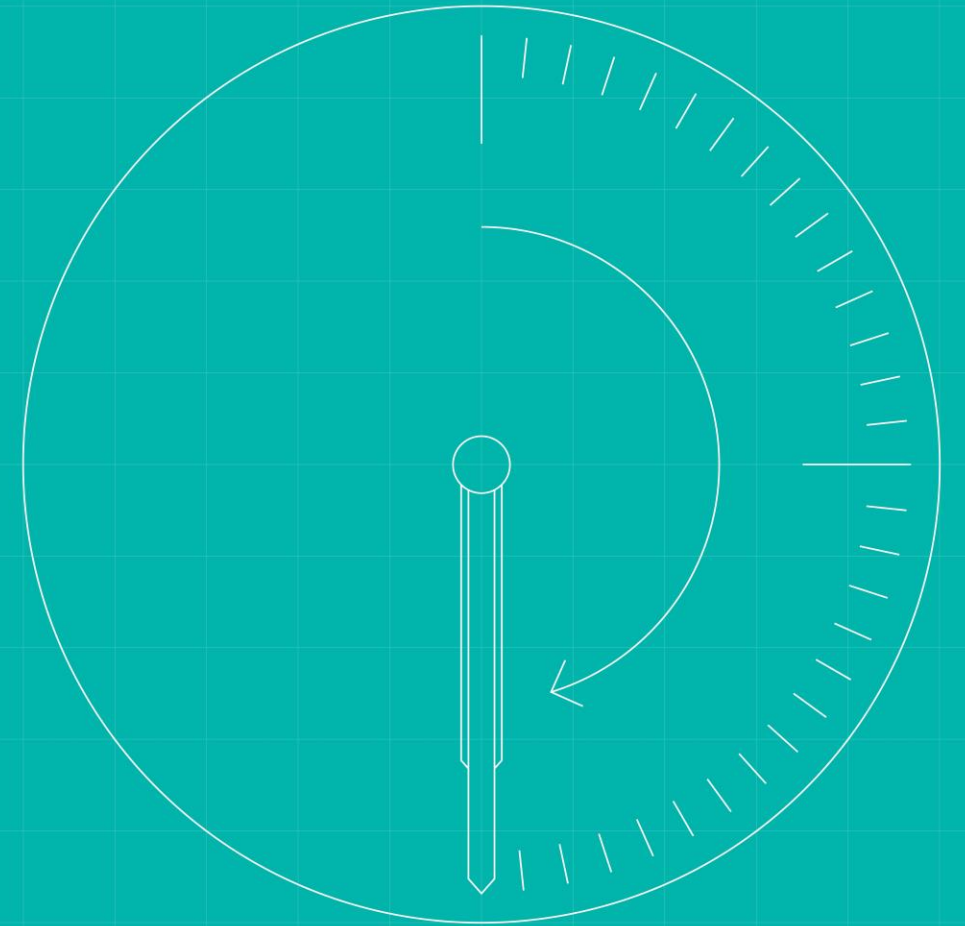
Ref	Action	Owner	Due	Latest Update
PSG19-02	Share comms to clarify the dependency for participants on DCC June 2023 release in order for participants to be ready for SIT	Programme (Jason Brogden)	08/06/2023	RECOMMEND CLOSED: Dependency already in RAID log (see dependency D155). Comms shared in the Clock 26 April 2023.
PSG19-08	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)	08/06/2023	RECOMMEND CLOSED: The risks/implications of legacy meters were discussed between the Programme, DCC, and Helix, and resultant actions are ongoing. The Programme intend to include this action in the scoping exercise under CR013 (<i>Determining scope of Examination of Settlement Impacts resulting from MHHS Programme</i>). First CR013 working group to be scheduled for week commencing 12 June 2023.
PSG20-01	Programme to issue communication to provide clarity on SIT timelines and other key requirements	Programme (Adrian Page)	08/06/23	RECOMMEND CLOSED - Look Ahead – Key SIT Dates provided every fortnight at FTIG and added in the Appendix (Consultation Dashboard)
PSG20-02	PSG Constituency Representatives to encourage constituents to request bilateral discussion with Programme on SIT planning (e.g. to discuss systems, processes, practicalities of testing and qualification, operation of placing reliance policy, etc)	PSG Constituency Representatives	08/06/23	RECOMMEND CLOSED:- Dialogue increased and sessions held with a number of parties.

Sponsor Update

INFORMATION: Verbal update from the Programme Sponsor

Ofgem

5 mins

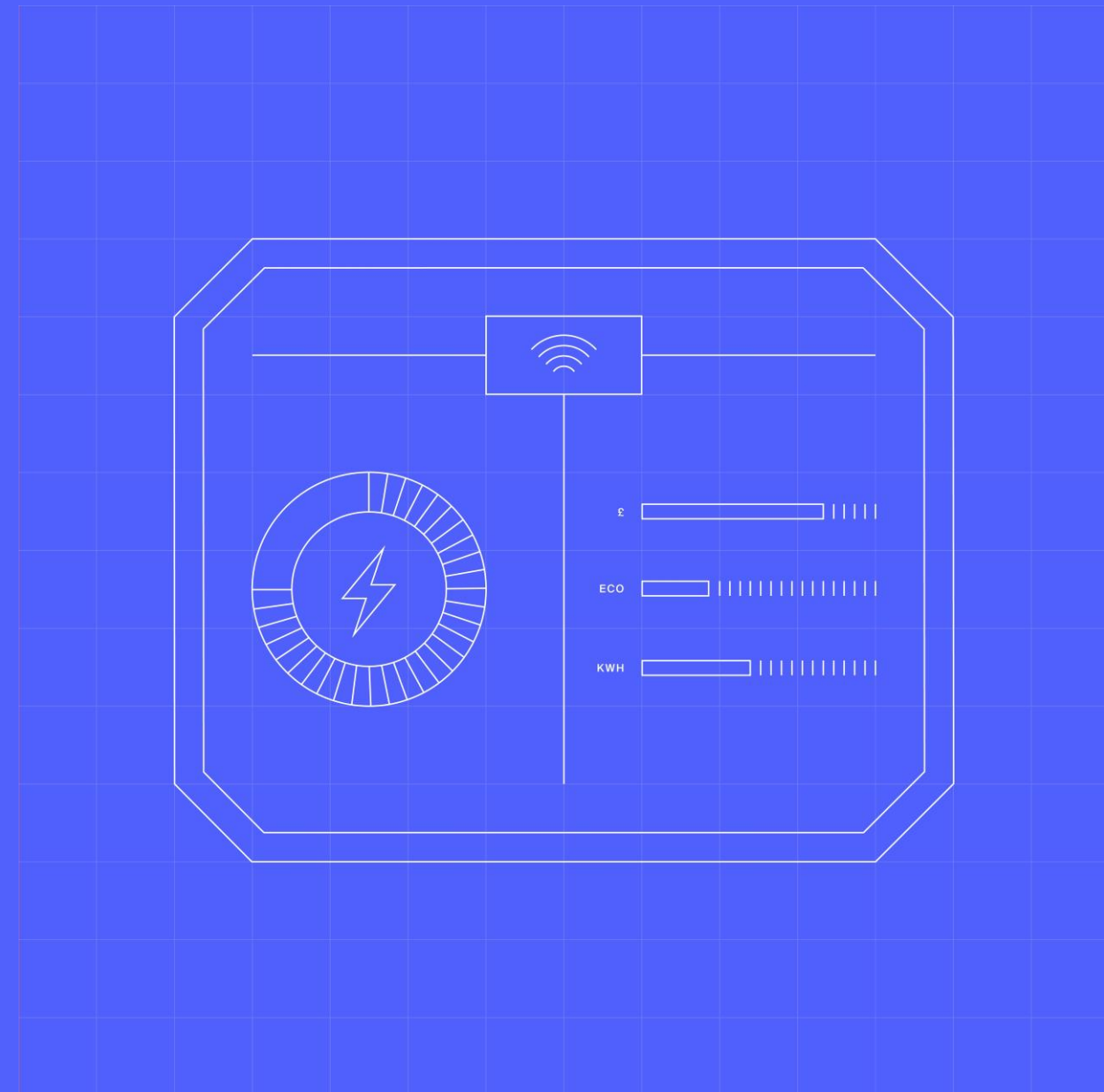


Programme Replan Baseline Decision

DECISION: Update on Ofgem decision regarding changes to Level 1 milestones and decision on re-baseline of Programme Plan

Programme (Giles Clayden)

10 mins



Minor material amendments to plan post-CR022 Issue – recap last PSG (1/2)

As a 'living document', some minor non-material changes have and continue to be made to the plan in response to CR022 feedback and on-going developments on the Programme. The majority are at Tier 3 level of detail with no impact on POAP (as set out in Appendix 2).

Plan Area	Amendments / Update	Reason	Tier
Early Live Running	M16* updated to reflect the 6-month range post M16	Correction: CR022 plan showed M16* with a 3-month range	1
Migration	Starred M10* - M16* elevated from Tier 2 to Tier 1 milestones (see slides 19 & 20)	Tier 1 categorisation more consistent with change management process and governance arrangements to ensure PSG maintain visibility	2
Design, Build and Test	New tasks have been added to reflect the Design Artefact release schedule New Tier 3 milestones have been created and added to the milestone register: T3-DB-0095, T3-DB-0096 and T3-DB-0097	Improve visibility of the Design Artefact release schedule	3
Qualification	Qualification testing 'Tranche 0' added, showing dates for necessary QAD report completion and PAB approvals for both SIT MVC and SIT non-MVC participants	Feedback received from QWG and CR022 impact assessments for Tranche 0 to be explicitly referred to in the Programme Plan	
	6-week lag has been added between each SIT phase approach and plan and the related qualification artefact	Allows sufficient time for the test deliverables to be developed into Qualification deliverables, reviewed with QWG, approved by PABs and incorporated into the Qualification Assessment Document (QAD)	
	Qualification Assessment Document (QAD) to be released in two phases: 1. Functional requirements (Nov 23) 2. Final baselined document with Non-Functional, Migration and Operational requirements (Jun 24)	QAD dependent on SIT testing documentation but CR022 plan did not provide adequate time to review the document before completing the QAD process	
System Integration Testing	Component integration testing interval 2 to 5 start dates corrected in version 4.1, issued due CR022 Industry Assessment	Correction to version 4.0, addressed in Week 1 of CR022 Industry Assessment and updated version communicated to all PPs	
	SIT Non-Functional and SIT Operational testing preparation dates corrected in version 4.1, issued due CR022 Industry Assessment		

Minor material amendments to plan - since last PSG (2/2)

Updated

One additional Tier 1 is proposed (M8*), one Tier 2 milestone has been adjusted and the majority of changes are at Tier 3

Plan Area	Amendments / Update	Reason	Tier
Code Drafting	M8* recommended for completeness (to be added with PSG approval)	M8 will be achieved concurrently with M10 so any movement of M10 will delay M8 being met	1
System Integration Testing	Production data cut has been bought forward to 19 August	The production data cut has been moved as agreed at TMAG	2
	Updates to be added to reflect staggered entry approach to SIT (CIT) through phased PIT evidence	Approach is being updated in order to enable additional LSC's to enter SIT and add further resilience to SIT MVC	3
	Test traceability tasks have been re-added	Code Bodies requested visibility of the test traceability tasks within the plan to enable them to place the equivalence policy on Qualification preparation	
	Test Data tasks have been further expanded within each CIT preparation interval	To provide more visibility of the tasks involved for PPs	
Qualification	Timescales for phased development of Qualification Approach and Plan corrected. (To be issued with next version of plan as part of baseline)	Linkages between dependent tasks in SIT reset	
Design, Build and Test	New tasks have been added to reflect the Query Support, Knowledgebase and Tool Roll Out	Improve visibility of the Design Query Support activities	3
	Tasks associated to Design Assurance activities for SIT Volunteers and all other participants have been expanded in the plan	To provide more visibility of the tasks involved within Design Assurance	
Migration	Tasks around Migration threshold volumes, operational planning and defining M15 criteria have been expanded to include more detail	To provide more visibility of the tasks involved within the Migration workstream	3

Key Decisions

The PSG approval to the following decision is requested:

DECISION 1	Dependent on Ofgem’s decision with respect to Level 1 Milestone changes, do PSG support the unconditional approval of CR022?
DECISION 2	Do PSG support baselining the plan as set out in CR022 and subsequently amended with the changes listed earlier?

Implications of approval...

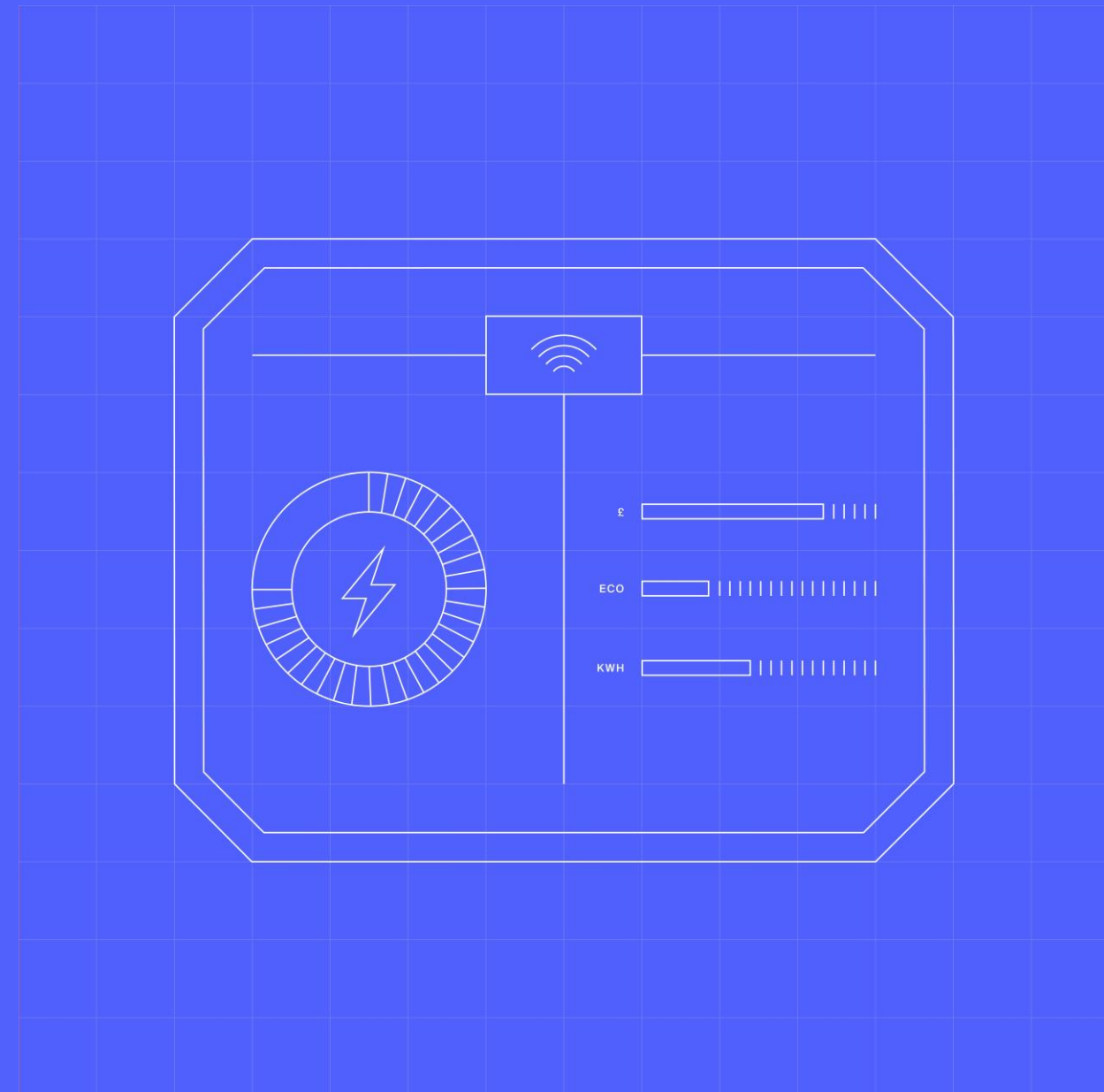
- PSG dashboard reporting to continue to be updated to reflect progress against plan by T1 and T2 milestones
- All future plan changes to be agreed through authorities and tolerances set out in the governance framework under change management arrangements
- Level 1 milestone ranges and achievability of baseline dates to be periodically monitored through Control Point reviews as set out in CR022

Customer Segment Exclusion

DECISON: Decision on Complex Sites and Shared Metering Points being excluded from Reverse Migration

Programme (Jason Brogden)

10 mins



Reverse Migration – Recommended MPAN types for Exclusion

MWG participants were asked to provide proposals for different MPAN types that should be considered for exclusion from Reverse Migration. Following further discussion and analysis, the following was presented with the MHHS – Migration, Cutover and Data Strategy which was approved at TMAG 31st May 2023:

- ***The Programme’s recommendation will be to present the case for Complex Sites (as defined by BSCP502, Appendix 4.9) and Shared Metering Points being excluded from Reverse Migration to PSG.***

The proposal is for these MPANs to be migrated in order to meet M15, but these MPANs would only be migrated post M14, when all Suppliers are MHHS Qualified, meaning Reverse Migration would not occur.

Rationale included:

- The migration of these MPANs will be high-risk due to the need for migrations to be coordinated between a number of different Programme Participants. In addition, the migration of these MPANs will present a significant risk to the Settlement process.
- The Reverse Migration of these MPANs will create additional complexity and present additional risk.
- By delaying the migration of these MPANs until after M14 this will mitigate the risk of Reverse Migration as all Suppliers will be MHHS qualified and therefore Reverse Migration will not be possible.

DECISION

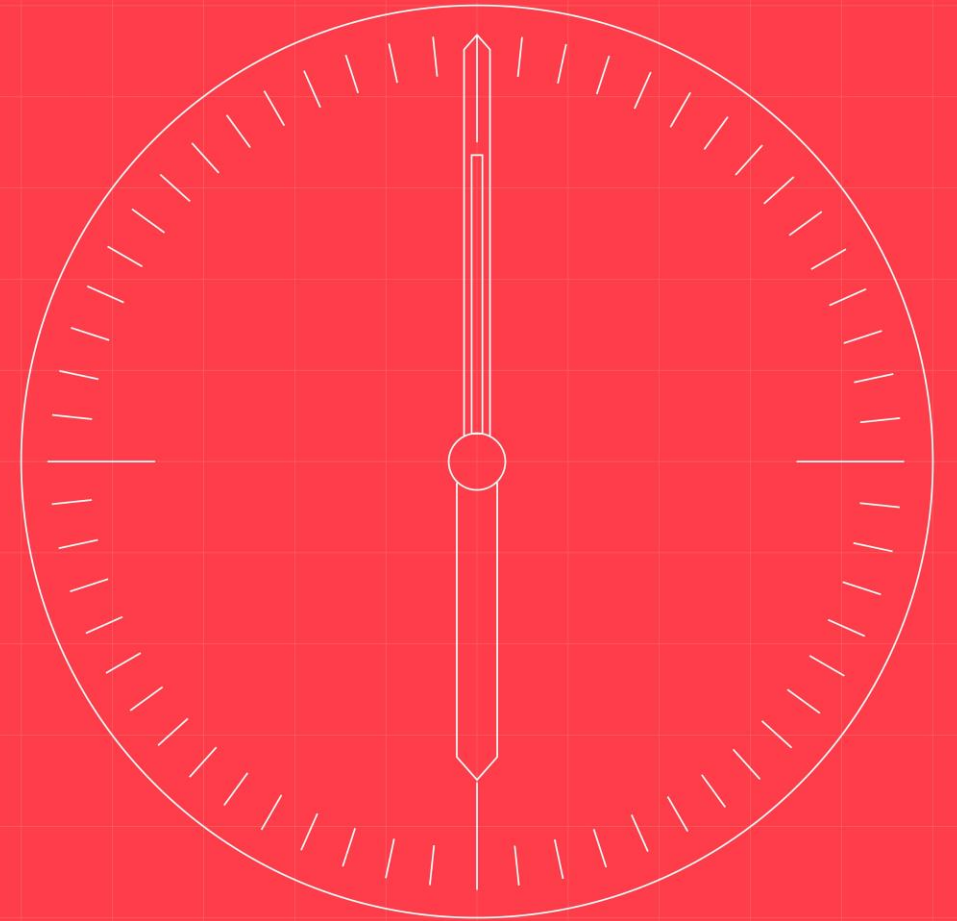
PSG are requested to agree the recommendation from the approved MHHS – Migration, Cutover and Data Strategy that the migration of Complex Sites (as defined by BSCP502, Appendix 4.9) and Shared Metering Points is delayed to beyond M14, resulting in these sites being excluded from Reverse Migration.

FTIG Update and SIT Outlook

INFORMATION: Update on activity at the recent FTIG meetings and SIT Outlook

Programme (Keith Clark)

10 mins



Fast Track Implementation Group (FTIG) Update & SIT Outlook

- FTIG meetings held every fortnightly - 4 to date
- Attendees – MHHS programme, IPA, CCPs and SIT volunteers
- Strong, positive & constructive engagement from attendees
- Key topics discussed and way forward proposed:
 - Progress on MHHS deliverables to M9 (in Appendix)
 - Add in staggered PIT entry for each SIT stage
 - SIT volunteer date 23 May 2023
 - The Placing Reliance Policy and its application for SIT volunteers
 - How to speed up the Design Artefact Release Process (see next agenda item)
 - Provision of example ISD files from Helix
 - Delivery Assurance Questionnaire - topics and timing
- SIT Outlook:
 - SIT MVC formed - as per SIT Dashboard
 - Placing Reliance Status – see table, requested confirmation by 02-Jun-23
 - Rescheduled MHHS test deliverables (as per Clock 31/05/23)
 - Test Data Approaches & Plan being drafted
 - CIT and SIT Functional test scenarios and test cases on track

MHHS Programme
 IPA
 Avande (DIP)
 Brook Green Trading Limited
 BUUK Infrastructure
 C&C Group Holdings
 Callisto
 Centrica / British Gas
 Data Communications Company (DCC)
 Eclipse Power Networks Ltd
 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
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 SMS
 St Clements Services
 Stark
 TMA Data Management
 Tym Huckin Ltd
 Unify Energy
 Utilita
 Utilteam
 Wheatley Solutions

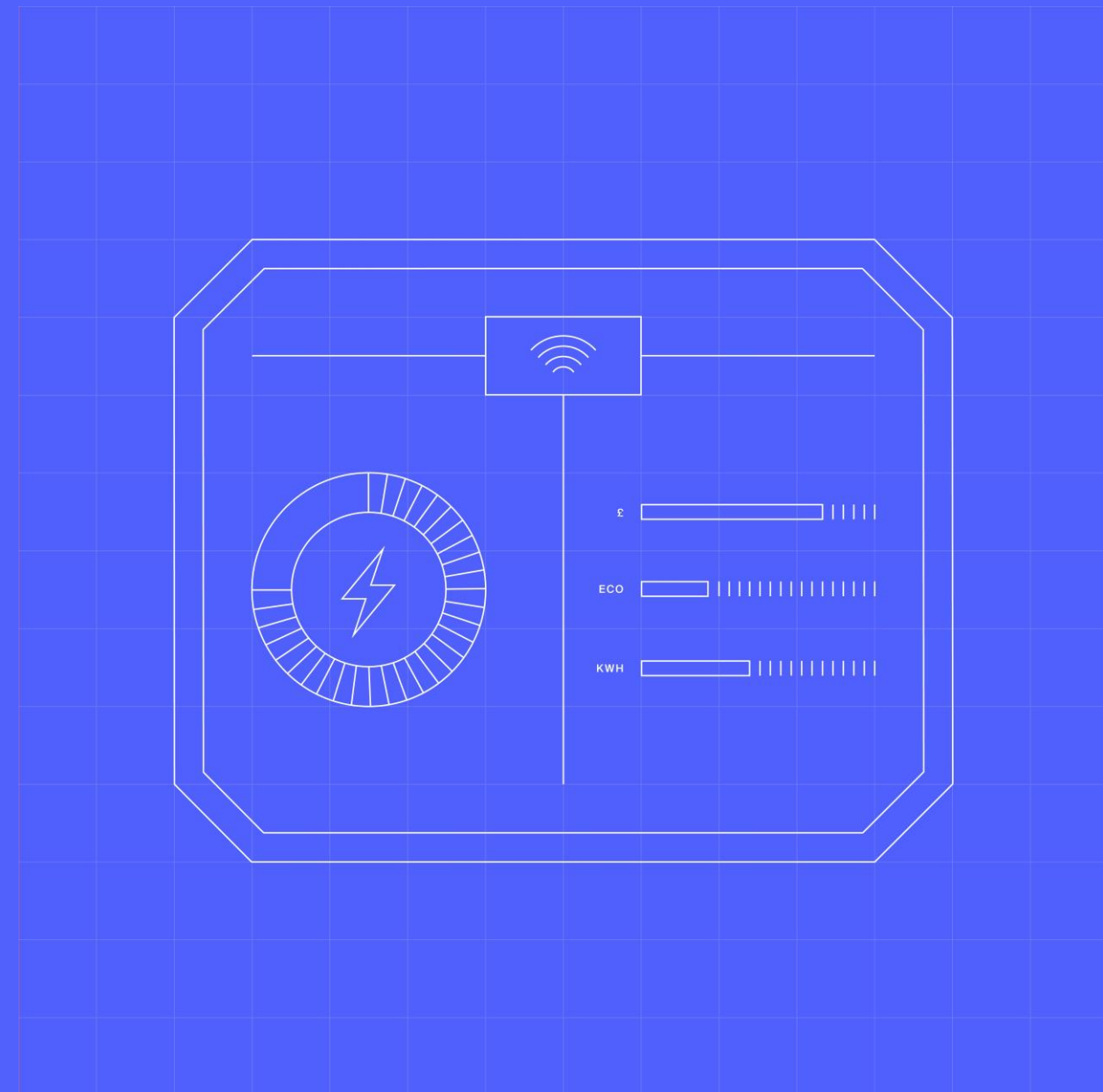
Reliance Policy status for SIT volunteers as of 01 June 2023	Totals
Formal proposals received from PPs	13
Email of intent (formal proposal to follow)	1
Expected but TBC (intent stated within bi-laterals)	1-2
N/A	7

Fast Track Design Update Process

DECISON: Decision on new Fast Track Design update process

Programme (Paul Pettitt)

20 mins



Objectives

To respond to the Industry request to speed up the updating of Baselined design artefacts because of identified errors, typographical updates, improvements in clarity

To provide clarity on the minimum design level needed to enter SIT CIT at the end of October 2023

To provide clarity on the minimum design level needed to enter SIT Functional at the beginning of March 2024

PSG will be invited to provide views on:

1. The fast-track process including:
 - Deployment of Interim Release 1 week commencing 12th June
 - Deployment of Interim Release 2 at the end of June
2. Update the Programme Change Control Approach MHHS-DEL171 to reflect the fast-track process via a housekeeping change

The current approach

What works?

- Controlled
- Transparent
- Lots of steps taken to ensure quality
- Clear audit trail
- DAG feel engaged / included
- We (the programme) have buffer / contingency in the process
- Design roadmap visible

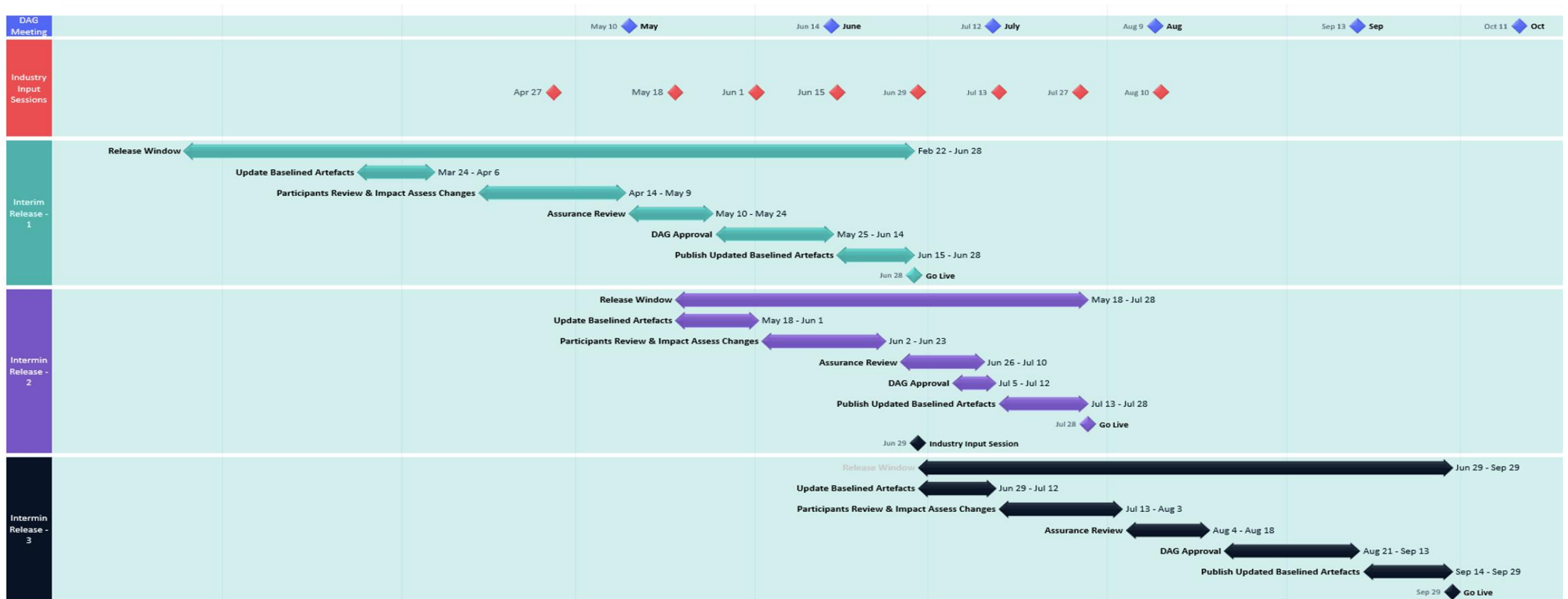


What slows things down / blocks us?

- Multiple points to engage PPs
- DAG – focus on quality not timelines
- Versions – all differing at release #
- Change requests – approved before full IA
- Change requests – going through the approval process twice
- Questions / lack of clarity over release expectations
- Process only for 'design workstream'



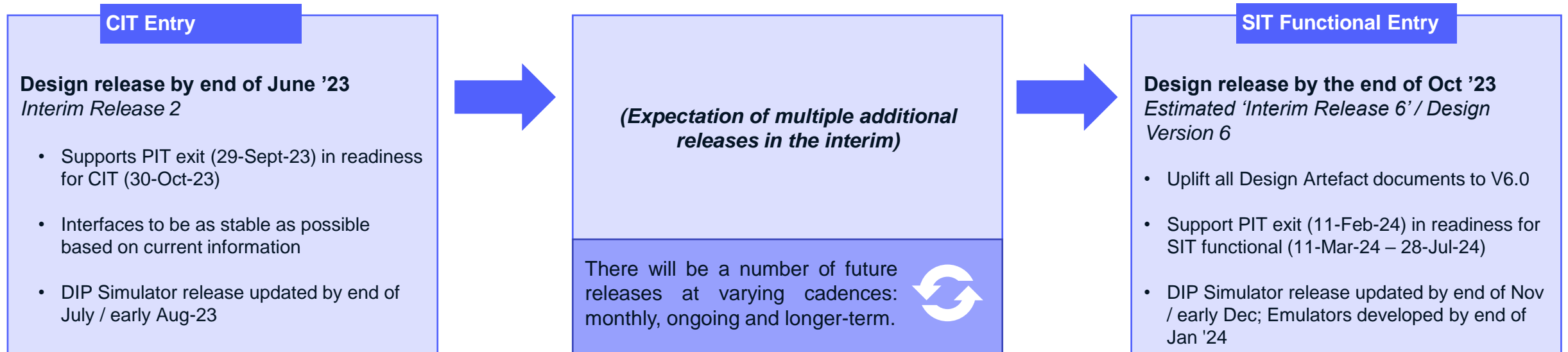
How the current review process plays out



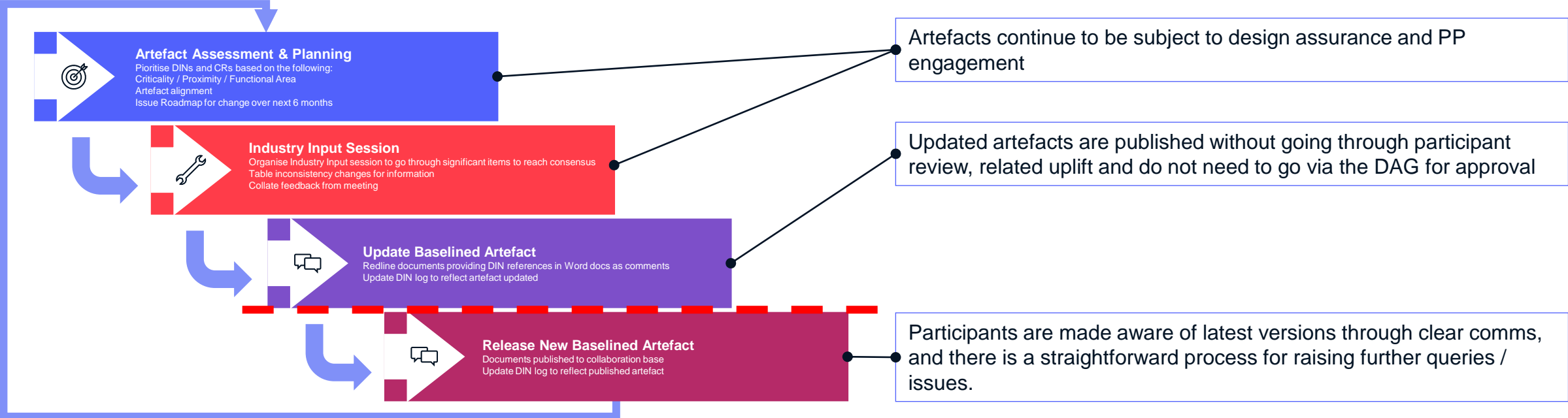
Remove review governance of DIN updates


- The DIN is treated like a backlog of updates and worked through each month, with a time-boxed set of updates.
- Since the design is baselined, the DIN is released post-internal peer review without Governance approval required. These are in the most part immaterial clarifications and corrections rather than material changes.
- Continue to share the live DIN log with PPs to provide ongoing transparency. PPs will still be able to review and comment on the DIN and raise the need for a Design Resolution Group (DRG) meeting.
- The Programme Change Control process does not change; once approved the Change Requests (CRs) land in the DIN for document uplift (as relevant). CRs will then need to be delivered in line with release timeline expectations below.
- There is no Change Request requirement for Interim Release scope.
- **Need to enact new process immediately to achieve timelines.**
- **Deploy Interim Release 1 week commencing 12 June 2023**
- **Deploy Interim Release 2 by the end of June 2023**

Based on the above:




Current Design Review Process – process and related benefits




 **Design**

- Address open design queries rapidly and publish— adhering by ‘fail-fast approach’
- Should be able to clear the backlog of design issues in c.2 months rather than 6 months

 **MHHS Programme**

- **Timeline:** increases likelihood of meeting M9 (increased build / PIT time)
- **Risk appetite / approach:** adheres to our principle: moving at the pace of the fastest PPs
- **Governance:** Process should be showcased at the DAG (visibility / transparency), but this does not need formal sign-off
- **Communications:** This will need to be very clear, up to date and transparent, consistently signposting the latest version of the truth

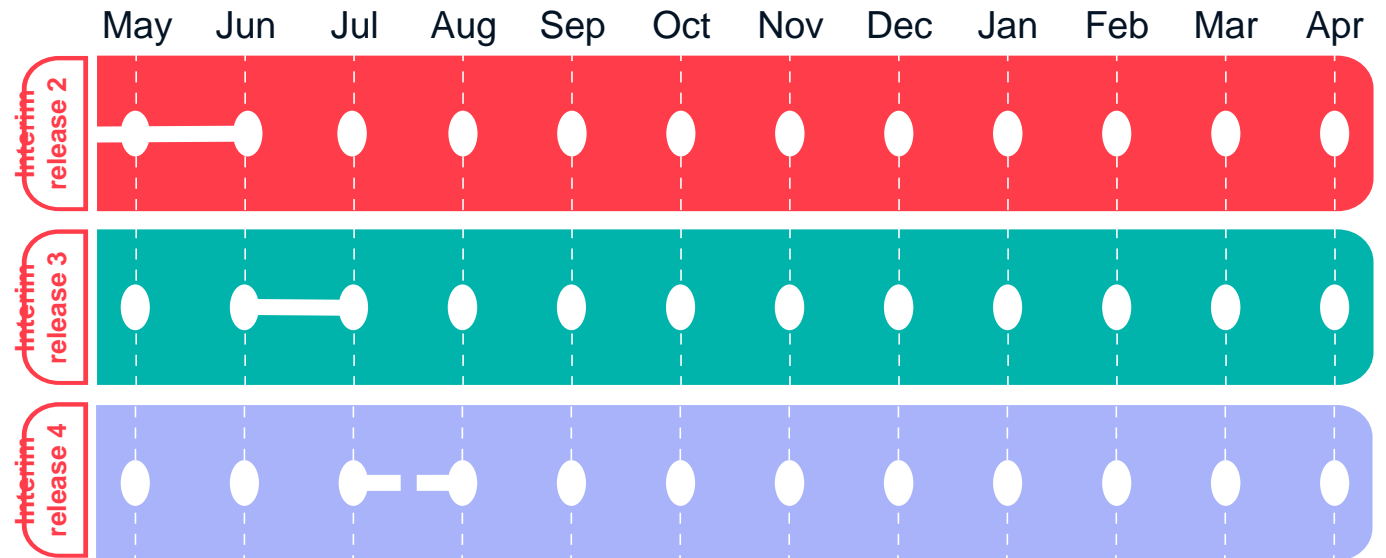
 **Benefits to Participants**

- Increases time for build and PIT, and certainty over latest changes
- Rapid turnaround of queries and ongoing transparency over the latest build; should give PPs time back for other activities
- Errors can be quickly addressed and remedied via an expedited process

Target: Monthly design process approach

WEEK No.	1	2	3	4
Work through DIN backlog inc. Design Resolution groups	<i>Interim Release 2</i>			
QA: internal programme peer review (SRO & SI Design)			<i>Interim Release 2</i>	
Release the documents & comms				<i>Interim Release 2</i>
Work through DIN backlog inc. Design Resolution groups			<i>Interim Release 3</i>	

Please note this is in indicative monthly schedule and what we target to deliver, there may be some slight slippage; or we might take the decision to skip a month, for example.



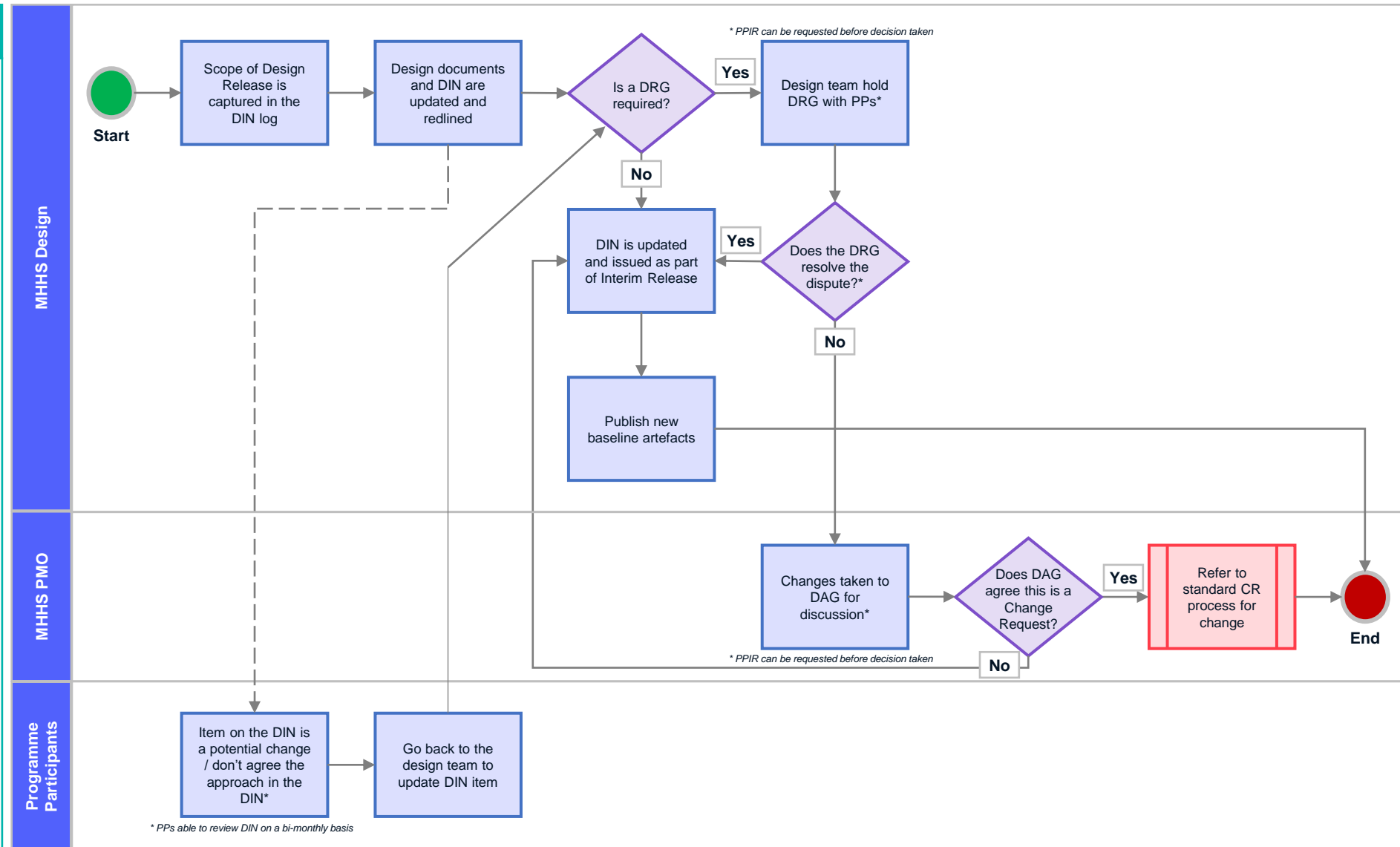
Questions associated with this proposal

Question	Response
<p>Change paths need to be clearly defined. Is this a design change control process (all changes to the design) or a fast-track process for housekeeping updates? When does a DIN need a CR to be raised to implement a solution and when does a CR need a DIN to be raised to implement a solution.</p>	<ul style="list-style-type: none"> • This process is to deal with identified errors, inconsistencies between artefacts, typographical updates, improvements in clarity of the baselined design. • A DIN may become a CR where the update needs to change the scope of the TOM. i.e. <ul style="list-style-type: none"> • the introduction or removal of baselined functionality. • the introduction or removal of new requirements. • Recent example DIN-199 of a DIN being closed and needs to be a CR is where a <i>'Participant wishes to see the use of standardisation in the interactions between the SDS and sub roles MDR PSS'</i> as this is a change of scope. • <i>Note: these examples do not cover every eventuality and may need discussion on an individual basis</i>
<p>Approval process for changes to design artefacts. DAG need to have the ability to approve DINs/CRs individually. A release shouldn't be held up because of a few outstanding DINs that require further discussion. The release should be able to continue with outstanding DINs being de-scoped or pushed to a later release where this is appropriate.</p>	<ul style="list-style-type: none"> • All Design impacting CRs will go through DAG whether they are raised by a Participant or as a consequence of a DIN identifying a change to the scope of the TOM. • Where a DIN requires further discussion, this will be via a DRG meeting. • The proposal is to not put DINs through industry review or DAG for approval.
<p>How will participants be alerted to changes on the DIN log?</p>	<ul style="list-style-type: none"> • The DIN log is currently updated on the 1st and 15th of each month.
<p>Transparency between DINs and updates to design artefacts. Needs to be a clear link between the issue/proposal and the change made to the design artefact. Changes shouldn't be made directly to artefacts without an associated DIN/CR.</p>	<ul style="list-style-type: none"> • Improvements are being made to the DIN log to better articulate an update to an artefact and the associated DIN. • Improvement are being made the proposed solution section of the DIN to capture the change being made and the artefacts effected. • Updates will not be made directly to artefacts without an associated DIN/CR.
<p>Process for objections and referral for industry discussion / agreement. When will the DRG be stood up to discuss comments/objections? How will disagreements between the design team and programme participants be resolved?</p>	<ul style="list-style-type: none"> • The DIN log is available to all participants, it highlights those DIN that require industry discussion. If a Participant believes a DIN not highlight needs industry discussion, then this can be raised with the design team. If agreement cannot be reached, then this can be escalated to DAG.

Fast Track Update Process Map (alternative flow)

Fast Track Update

- As part of this process, there is no need for a Change Request for each of the interim design releases.
- After Scope of Design Release is agreed, captured in the DIN log and the design documents are updated.
- A DRG is required if: (i) further clarification is required; (ii) optionality needs to be discussed with industry; (iii) there is potential for major impact.
- For Programme Participants (PPs), the bi-monthly updates of the DIN log serve as a control and allows them to flag any item where they disagree with the approach / believe it constitutes a more significant change.
- If the DRG does not resolve the dispute, changes are taken to DAG for discussion.
- Before moving to the Change Request (CR) process, PPIRs can be used so that feedback from participants on their preferred option is collected. PPIRs function as informal impact assessment.
- In this process, PPIRs can be requested as an output of both a DRG or DAG.
- There are efforts underway to improve descriptions in the DIN log to make it easier to understand scope of design change.



Risks associated with this proposal

Risk	Mitigations
Programme Participants are unable to keep up with the change.	<ul style="list-style-type: none"> • PPs may choose to skip versions, we would only hold them to account for specific entry / exit criteria requirements • PPs will have additional time to deliver change, when compared with the current process • The requirement for PP review and engagement in the design through the review process will decrease, and therefore this should help to free up PP capacity
Programme Participants don't know which is the latest version / don't know what has changed.	<ul style="list-style-type: none"> • Signpost the latest version clearly through comms. • Continue to uplift increments through interim releases (i.e. v5.1,v5.2, etc.), uplift all design documents at significant release (i.e. v5.5 --> v6.0) • The design team would continue to issue the DIN log with full audit log along with the redlining of all impacted documents
Moving at pace may mean releases introduce additional issues / discrepancies.	<ul style="list-style-type: none"> • Due to increased pace of design resolution, we are in a position to address the next month or sooner and still get clarity of design more quickly than the current process
Perceived diminished quality assurance.	<ul style="list-style-type: none"> • Monthly internal peer reviews will still go ahead • We have engaged with the IPA and their support for this process • The MHHS design team will only need to work on one version uplift at a time, therefore risk over confusion or accidental updates to the wrong version is reduced
Perceived lack of control and visibility for the DAG.	<ul style="list-style-type: none"> • All design Change Requests will continue to go through the DAG; DAG can focus on adding value through design change rather than corrections • Any PP escalated DIN items which cannot be addressed via DRG will be raised to DAG
Lack of clarity over PIT exit needs / versions.	<ul style="list-style-type: none"> • This proposal addresses this.
The programme misconstrues a large-scale change for something minor and attempts to implement it through the Interim Release without the required controls.	<ul style="list-style-type: none"> • PPs will be able to provide feedback and request that the specific DIN item is taken to a Design Resolution Group (DRG). If the DRG can resolve this, the updated DIN can be added to the next scheduled release; if DRG cannot resolve this then the change will be escalated to DAG for advice.
Programme participants push for all items to go through the DRG process.	<ul style="list-style-type: none"> • Pushing all items through DRG process undermines the fast-track approach. If there was disagreement on a specific DIN, there would be discussion on a bilateral basis. If needed, the DRG can raise a PPIR.

Engagement Path to approval and implementation



The SRO will ask PSG Members for their views on:

Programme's approach to Fast-Track updates to identified errors, inconsistencies between artefacts, typographical updates, improvements to clarify the baseline design?

Next Steps

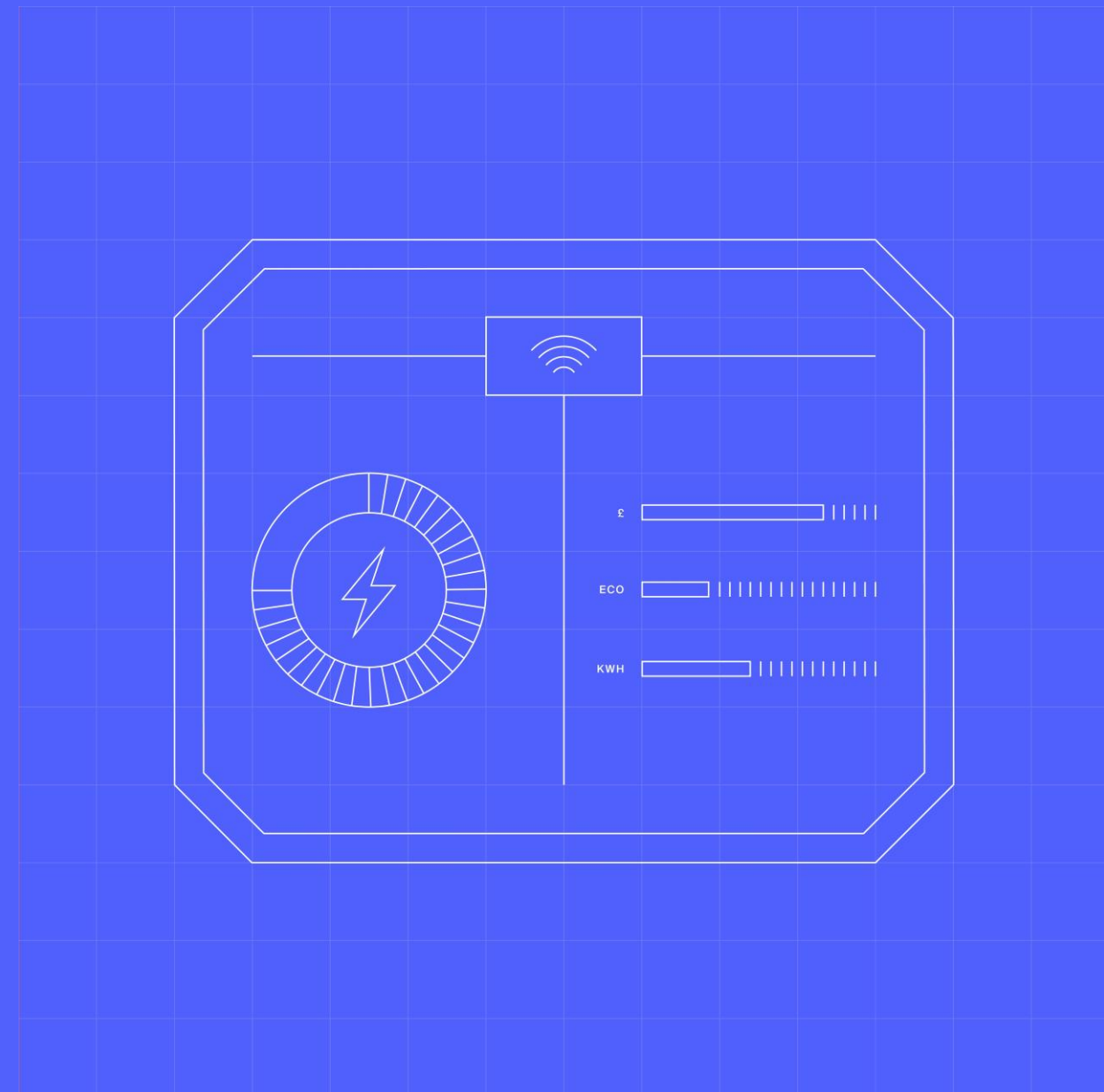
- 1 Following the meeting, comms will be sent to programme participants detailing the fast-track approach and updates to the collaboration base.
- 2 The DIN log will be updated to reflect the new timeline for Interim **Release 1 w/c 12 June** and Interim **Release 2 by the end of June** and detail the targeted updates through to October 2023
- 3 The MHHS-DEL171 Change Control Approach will be updated to reflect the Fast-track approach via a housekeeping CR

Programme Reporting

INFORMATION: Progress reporting against the Programme Plan

Programme (Keith Clark)

10 mins



MHHS Milestone Status (to be added to PSG dashboards in future)

Short-Term T1 and T2 milestones (to M9)

Milestone Tier	Milestone ID	Milestone Title	Baseline Date	Forecast Date	Previous RAG May PSG	Current RAG Jun PSG	Forecast RAG Jul PSG	Commentary
T2	T2-TE-0150	SIT Participants Agreed	23-May-23	23-May-23				MVC demonstrated, PMs from volunteer PPs attending FTIG
T2	T2-RE-0100	Code drafting for Data Services topic area approved	24-May-23	24-May-23				Published Approved at CCAG on 24/05
T2	T2-RE-0150	Code drafting for Metering topic area approved	24-May-23	24-May-23				Published Approved at CCAG on 24/05
T1	T1-PM-1000	Plan Re-baselined (subject to Ofgem decision)	08-Jun-23	08-Jul-23				Ofgem decision expected on 08-Jun-23
T2	T3-TE-0011	Notification of Production Data Cut issued to relevant participants	19-Jun-23	19-Jun-23				Notification being drafted and under internal review w/c 05-Jun-23
T2	T2-DB-0250	Tranche 2 Transition Design approved	03-Aug-23	03-Aug-23				Assurance session was undertaken on 26-May-23, no significant concerns raised, set to be tabled for approval at DAG on 14-Jun-23
T2	T2-TE-0200	Data cut from relevant participants' production systems completed	21-Aug-23	21-Aug-23				On track to plan
T2	T2-RE-0250	Code drafting for Registration topic area approved	23-Aug-23	23-Aug-23				Issued for consultation as per plan and on track
T2	T2-RE-0200	Code drafting for BSC Central Services topic area approved	14-Sep-23	14-Sep-23				On track to plan
T2	T2-TE-0250	SIT Component Integration Testing 1 Preparation Complete (incl. approval of SI SIT Component Integration Test Readiness Report)	23-Oct-23	23-Oct-23				On track to plan
T2	T2-DB-0100	Central Systems & Registration Services design assurance (excl. Migration / Reverse Migration) complete	27-Oct-23	27-Oct-23				Planned series of Cohort 1 design assurance meetings has begun, following original questionnaire responses
T1	T1-TE-1000	System Integration Testing Start (M9)	30-Oct-23	30-Oct-23				Currently monitoring risks related to Core Capability Providers' readiness for early SIT CIT intervals

Longer-term T1 milestone outlook

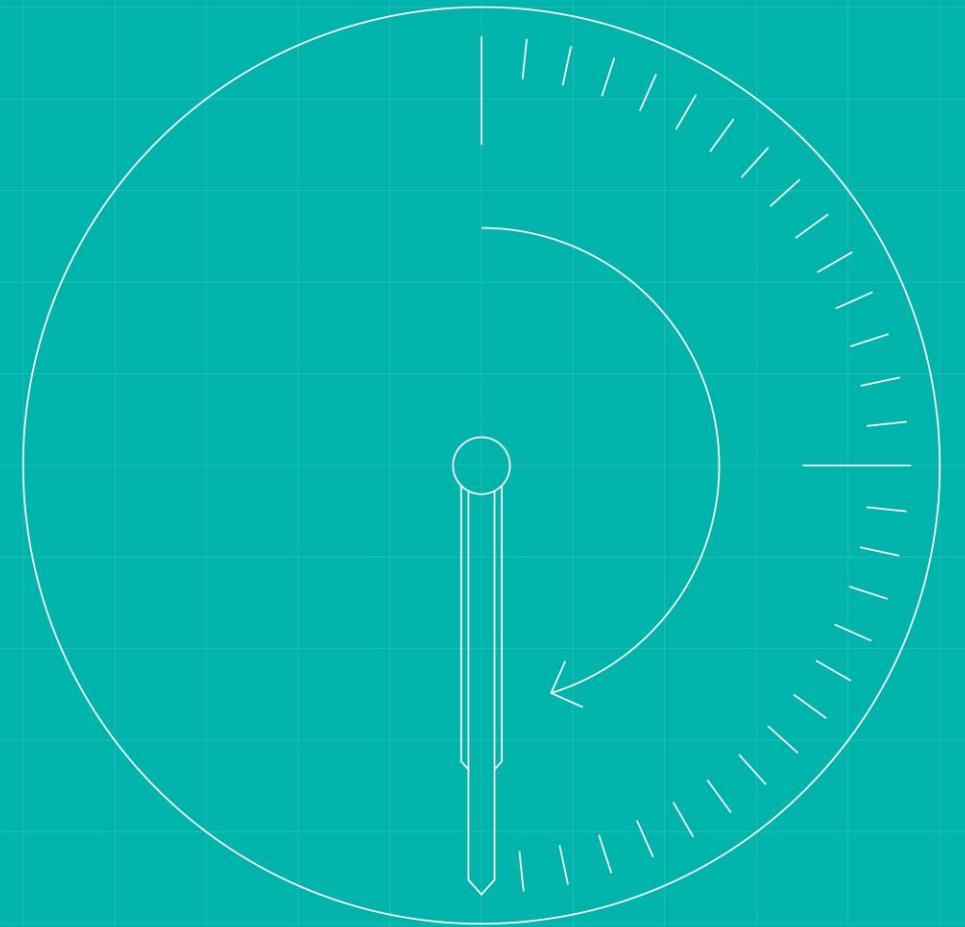
T1	T1-CP-2000	Control Point 2 - Start of Integration & Test (incl. Control Point Report approval)	30-Oct-23	30-Oct-23				
T1	T1-RE-1000	Code changes baselined (M6)	23-Aug-24	23-Aug-24				
T1	T1-TE-2000	SIT Minimum Viable Cohort Complete (SIT Minimum Viable Cohort Test Exit Report Approved)	07-Feb-25	07-Feb-25				
T1	T1-MI-1000	Central systems ready for migrating MPANs (M10)	07-Mar-25	07-Mar-25				
T1	T1-MI-2000	Load Shaping Service switched on (M13)	07-Mar-25	07-Mar-25				
T1	T1-CP-3000	Control Point 3/4 - Readiness for Migration (incl. Control Point Report approval)	28-Mar-25	28-Mar-25				
T1	T1-MI-3000	Start of 18-month migration for UMS / Advanced (M11)	04-Apr-25	04-Apr-25				
T1	T1-MI-4000	Start of 18-month migration for Smart / Non-smart (M12)	04-Apr-25	04-Apr-25				
T1	T1-MI-1500	Central systems ready for migrating MPANs (M10*) - Late Exit	06-Jun-25	06-Jun-25				
T1	T2-MI-2500	Load Shaping Service switched on (M13*) - Late Exit	06-Jun-25	06-Jun-25				
T1	T2-MI-3500	This defines the end of the 3-month range for achievement of M11	04-Jul-25	04-Jul-25				
T1	T2-MI-4500	This defines the end of the range for the achievement of M12	04-Jul-25	04-Jul-25				

IPA Test Assurance Approach

INFORMATION: Overview of the IPA's test assurance approach to be operated throughout SIT

IPA (Richard Shilton)

10 mins



The purpose of this update is to provide PSG an **overview of the IPA approach to test assurance**, which will be performed throughout SIT. This activity operates in conjunction with the Programme's test assurance activities to minimise disruption to Participants whilst providing an independent view.



Overall objective - To provide an independent view of **test readiness and completion across the end-to-end programme**. The assurance activity incorporates two main areas of focus:

- Assurance of the overall programme's testing activities and coordination
- Assurance of individual programme participants' testing readiness and completion.



Scope - The scope of assurance activities will include preparation, readiness and completion of testing by the Programme and Programme Participants, as applicable, across the following phases:

- PIT
- SIT (Functional, Migration, Non-Functional, Operational)
- Non-SIT LDSO



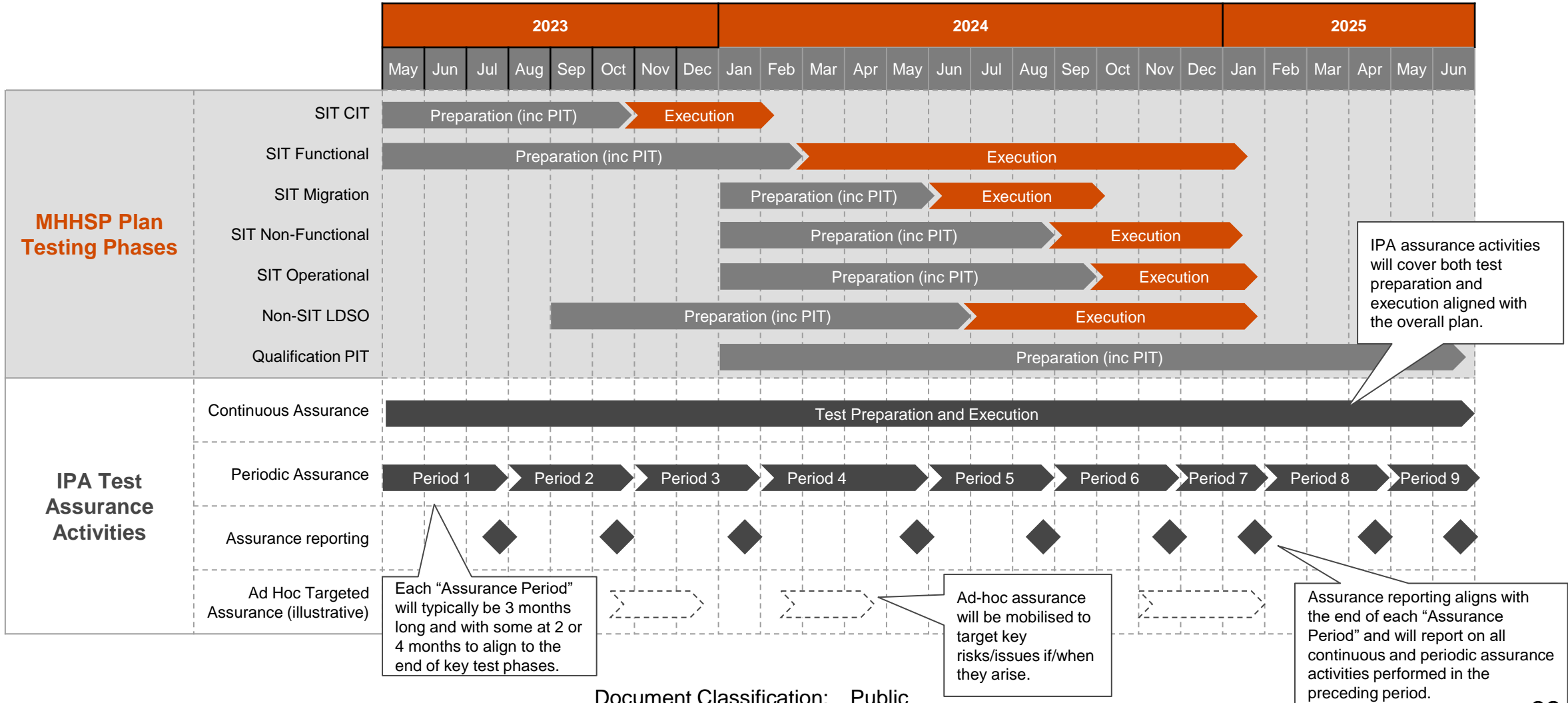
Approach - Assurance activities are now commencing and will be performed throughout SIT using the following approaches:

- **Continuous Assurance** over central programme testing activities and coordination throughout the duration of SIT
- **Periodic Assurance** typically performed in a quarterly cycle (termed "**Assurance Period**") throughout SIT, where a sample of Participants will be selected for review to assess their progress in line with their individual plan and the overall programme plan.
- **Ad-hoc Assurance** where target assurance activities are required over an emerging risk/issue.



Reporting - An IPA assurance report will be produced at the end of each "Assurance Period", which provide an overall view on test progress, key risks/issues and associated recommendations.

Assurance activities have been aligned to the test phases within the overall MHHS plan. Regular meetings are being held with the LDP to align on test assurance activities to minimise any duplication.



Assurance Period 1 has been mobilised and assurance fieldwork is scheduled to take place during **June 2023**:

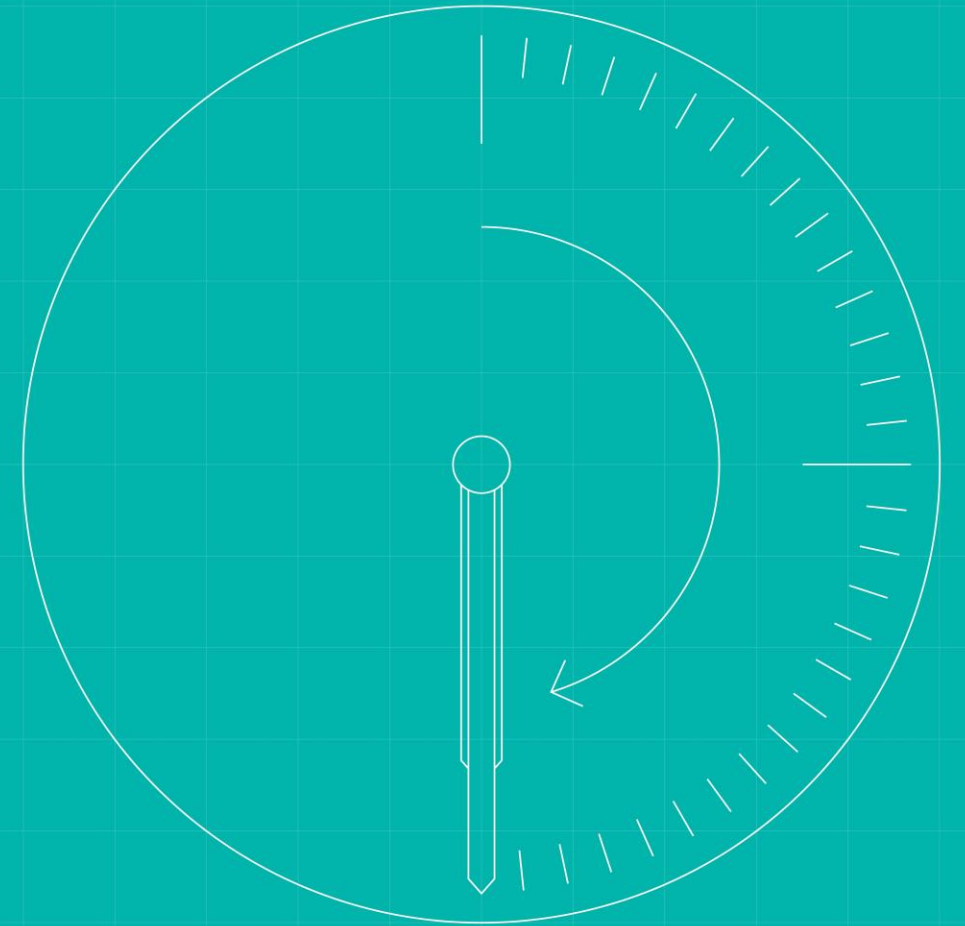
- The **key exam questions** for Assurance Period 1 are:
 - Is the programme on track to complete PIT Functional?
 - Is the programme on track to start SIT-CIT?
- The **scope and approach has been agreed with the Programme and Ofgem** and assurance activities have been aligned with LDP activity.
- We have **presented at TMAG and FTIG** to provide Programme Participants with an overview of the scope, approach and timing of assurance activities.
- **Programme Participants who will be required to participate** in the assurance activities in Assurance Period 1 have been contacted and briefing sessions held.
- Emerging themes will be shared with **PSG on the 5 July** and the final report executive summary will be shared at **PSG on 2 August**.

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
	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
	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	<ul style="list-style-type: none"> 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 (per main agenda item)

Short-Term T1 and T2 milestones (to M9)

Milestone Tier	Milestone ID	Milestone Title	Baseline Date	Forecast Date	Previous RAG May PSG	Current RAG Jun PSG	Forecast RAG Jul PSG	Commentary
T2	T2-TE-0150	SIT Participants Agreed	23-May-23	23-May-23				MVC demonstrated, PMs from volunteer PPs attending FTIG
T2	T2-RE-0100	Code drafting for Data Services topic area approved	24-May-23	24-May-23				Published Approved at CCAG on 24/05
T2	T2-RE-0150	Code drafting for Metering topic area approved	24-May-23	24-May-23				Published Approved at CCAG on 24/05
T1	T1-PM-1000	Plan Re-baselined (subject to Ofgem decision)	08-Jun-23	08-Jul-23				Ofgem decision expected on 08-Jun-23
T2	T3-TE-0011	Notification of Production Data Cut issued to relevant participants	19-Jun-23	19-Jun-23				Notification being drafted and under internal review w/c 05-Jun-23
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Longer-term T1 milestone outlook

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T1	T1-MI-3000	Start of 18-month migration for UMS / Advanced (M11)	04-Apr-25	04-Apr-25				
T1	T1-MI-4000	Start of 18-month migration for Smart / Non-smart (M12)	04-Apr-25	04-Apr-25				
T1	T1-MI-1500	Central systems ready for migrating MPANs (M10*) - Late Exit	06-Jun-25	06-Jun-25				
T1	T2-MI-2500	Load Shaping Service switched on (M13*) - Late Exit	06-Jun-25	06-Jun-25				
T1	T2-MI-3500	This defines the end of the 3-month range for achievement of M11	04-Jul-25	04-Jul-25				
T1	T2-MI-4500	This defines the end of the range for the achievement of M12	04-Jul-25	04-Jul-25				

Risk theme 1: Commencing and completing SIT as planned

Theme	Summary	Mitigation Approach Overview	RAG Status	
Commencing and completing SIT as planned	SIT success is reliant on (1) Core Capability Providers being ready, (2) sufficient volunteers being available to 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"> The programme is conducting various mitigating activities to manage the risk of SIT not starting on time, of not securing an MVC and to guard against volunteer drop-outs during SIT – including fast-tracking the current design governance process The 23-May-23 deadline for SIT volunteers has now passed, as has that for the Design assurance questionnaire replies (30th May). 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 	Previous RAG	Amber (27 Risks)
			Current RAG	Amber (22 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																														New item	<ol style="list-style-type: none"> Design and delivery assurance FTIG (and PSG) monitoring of participants' delivery progress and managing of obstacles to readiness
R332	There is a risk that Suppliers may require a maximum amount of time to complete their DBT and subsequently qualify, resulting in backlog in the final tranche(s) of Qualification																														New item	<ol style="list-style-type: none"> The potential for incentives for completion of migration has been raised with the Programme, but this would require further discussion with Ofgem before it is given any further consideration Ongoing tracking of suppliers' delivery plans and progress through PPC bilateral meetings and account management Delivery assurance activities
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																														No change	<ol style="list-style-type: none"> Round 3 encouraged earlier volunteering or declarations of interest from potential SIT candidates Participant bilateral engagement (via PPC) is also encouraging volunteers (or acting to retain them) SI design, delivery and test assurance will track participants' DBT progress to manage the risk that expected SIT volunteers will not be ready for M9 Short paper drafted on policy / understanding around SIT / Qualification Legacy agent plans to be discussed
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"> Monitoring Change Requests and understanding their impact on Design Where changes not concluded, making clear what risks are contained within re-plan proposal
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																														-4 (21 to 17)	<ol style="list-style-type: none"> Query responses are prioritised according to materiality and risk – target is 5 working days to respond but noting high volume of queries currently A revised (fast-track) governance process is proposed, to streamline the review, update and release process for the majority of artefact changes required

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

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	<ul style="list-style-type: none"> Some of the existing risk factors around M10 / M11 will be mitigated by the findings throughout SIT Testing, which will 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 Sign-off of the Migration Design as well as the Data Cleanse Plan and ongoing Code Drafting will also give Participants necessary materials to prepare for M10 / M11 	Previous RAG	Amber (9 items)
			Current RAG	Amber (11 items)

		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	
R380	Risk that DNOs/iDNOs may not participate in the non-SIT/Qual LDSO testing or complete it in time																														No change	<ol style="list-style-type: none"> Address all possible avenues of ensuring that the parties have enough incentives or obligations to participate (i.e., Core Capability Provider reports at PSG and recent LDSO deep dives) Readiness assessments & Bilaterals; reporting SIT participants; briefings to LDSOs Current view of the programme is DNOs/iDNOs are very aware of testing requirements and placing reliance policies are being utilised for coverage for testing
R456	There is a risk that St Clements MPRS may require additional development of D0170 functionality for the purposes of the Migration Design																														-8 (19 to 11)	<ol style="list-style-type: none"> Feedback from CR022 IA from St Clements says that there won't be significantly delayed by the D0170 requirement, so score taken down
R353	There is a risk that the volume/rate of MPANs which can be migrated does not align with the current assumptions																														No change	<ol style="list-style-type: none"> Future: E2E non-functional SIT testing to validate proposed volumes are feasible Agreeing individual volumes with suppliers - detailed planning with each individual organisation (migration workstream tbc) 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)																														-3 (17 to 14)	<ol style="list-style-type: none"> Data Cleanse Plan defines roles and responsibilities (to be approved June 21st) - risk reducing as this plan is on track for approval
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)																														No change	<ol style="list-style-type: none"> 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
R488	There is a risk that a significant volume of export MPANs created within Programme transition timescales will impact the ability of suppliers and DNOs to deliver Programme migration.																														New item	<ol style="list-style-type: none"> Programme to engage Ofgem to clarify what existing obligations mean for Programme and Parties

Key	
I	Initial Score
C	Current Score
T	Target Score

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

Document Classification: Public

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	Implementation phase in progress.	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 – currently delayed)		
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 (expected 05/23 – currently delayed)		
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 approved (12/05/2023)	Conditionally Approved	Awaiting Ofgem approval for associated Level 1 milestone changes (expected 08/06/2023)		Giles Clayden, MHHS
CR023	Standardisation of Interfaces within the Smart and Advanced Data Services Roles	Haz Elmamoun, Engage Consulting			On hold	Returned to Change Raiser and LSC		

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 26/05/23

Core Capability Providers	Status	Comment
Exelon (Helix)	Amber	PIT exit remains 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 2 design documents need final approval On target for CIT start date – need to agree how final PIT exit date fits into overall MHHS plan
LDSOs / (St Clements)	Green	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 Impact of D0170 is included in current plans In-flight CRs (when concluded) may 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, test activities 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	Placing Reliance Policy proposals and evidence have continued to be submitted PIT phasing option for SIT stages agreed (per LSC request) Progressing test data, 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+ 1?	Callisto, Energy Assets ,IMServ, Itron, Kraken Data Services, Lowri Beck, npower Business Solutions,, SMS, Stark, TMA
		Smart Data Services	2	9+ 1?	Callisto, Energy Assets, E.ON Next, 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, Utilita
		Metering Services Smart	2	10	British Gas, Callisto, EdF, Energy Assets, E.ON UK Energy Solutions, IMServ, Octopus Energy Services, OVO, SMS, Utilita
		UMSDS	2	2	Power Data Associates, Tym Huckin Ltd
		HHDC	1	1	Callisto
		HHMOp	1	1	Callisto
		NHHDC	1	1	Callisto
		NHHMOp	1	1	Callisto
Large, Medium, Small, I&C Supplier	9	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	5?	BUUK, Last Mile, Eclipse, NGED, SSEN
		UMSO	1	3?	BUUK, Eclipse, SSEN
Managed Service Providers	3		n/a	n/a	C&C, ENSEK, EP Tech Solutions, ESG, Kraken, SeaGlass, Utiliteam, Procode
National Grid (ESO)	1		To be updated	TBC	National Grid (ESO)

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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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"> PI 6 end of PI demo completed PI 6 completed – project teams completed their objectives Initiated the PI 7 planning based on design interim release 1 Confirmed transition build does not need to be developed for CIT Produced proposal for multiple code drops around testing Qualification Approach and Plan approved at BSC PAB. BSC code tranche 1 conditional approved 	<ul style="list-style-type: none"> Progress to obtain agreement on multiple code drops Finalise the PI 7 deliverables based on baseline plus design interim release 1 Qualification Approach and Plan to be presented at REC PAB Continue with BSC code review Delivery of sprint 1 Commence sprint 2 delivery Complete integration testing for Sprint 6.6 	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	It has been assumed that Helix progresses with interim release 1 and not interim release 2 See assumption below around the DIP interface version.		
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	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	The defect management plan has been received and is being reviewed to establish its impact.	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.	This can be achieved for CIT with the design interim release 1, if this needs additional design implementation then the status of this will need to be reviewed. As the fast track design change process assumes we will use Interim design 2 this may trend to red.	31/03/23	
DIP interface to be based on 5.1..1	We have assumed there will be no subsequent changes to the DIP interface from 5.1.1. and the DIP simulator will align to this, if this is not the case the delivery dates may be impacted		

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. It has been agreed that this can be delivered in a separate code drop when the scope and timeline are agreed this will move to Green.	28/02/2023	
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	Initiate communications with the DIP and MHHSP to discuss the resolution through fortnightly meetings to discuss progress and align on expectations. If this is not in place their may be issues during the connectivity testing.	9/06/2023	

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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Status & Outlook	Progress last month: <ul style="list-style-type: none"> 4 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 Approvals pending for remaining 2 key DIP Design deliverables: <ul style="list-style-type: none"> Logical Architecture, Physical Architecture Build Sprints 1 and 2 completed, progressing in line with schedule Progress by workstream <ul style="list-style-type: none"> Delivery & Change – established DIP design/change reviews Applications – vertical slice through DIP solution developed Infrastructure – PIT environment redeployed Security – SDLC documented and DPIA first review completed Testing – development of test cases for initial set of interfaces Service – engagement ongoing on Service Design Baseline 	Progress expected in the coming month: <ul style="list-style-type: none"> Immediate focus on securing approvals for remaining 2 key Design deliverables to mitigate risk of rework and schedule impact: <ul style="list-style-type: none"> Logical Architecture, Physical Architecture, Build Sprints 3, 4 & 5 to run through June (and beyond) Assess Onboarding requirements & impact of Interim Release(s) Workstream focus: <ul style="list-style-type: none"> Delivery & Change – engage with LDP assurance and IPA Applications – extend functionality through Build sprints Infrastructure – pre-production Landing Zone build Security – ACAM development, PIM and SOC procedures Testing – extend test case coverage, engagement with LDP Service – complete Service Design Baseline, prep for service intro
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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

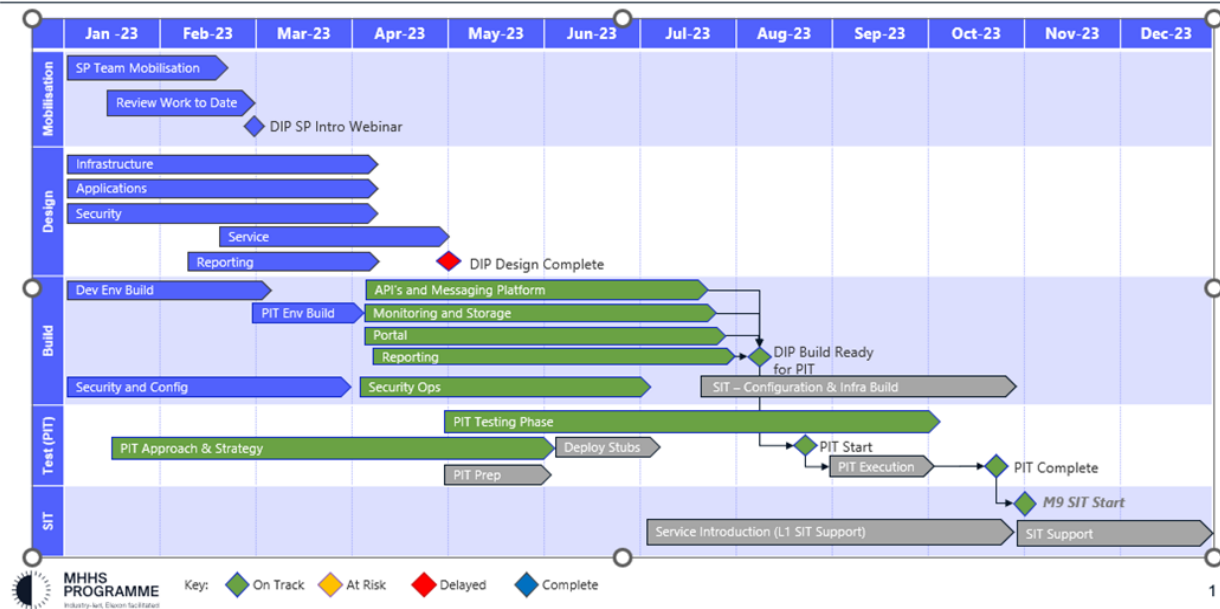
Decisions required	From whom?	By when?
None	n/a	n/a

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Design Deliverables x2 have not been approved and Build Sprint 3 has started	Progressing Build at risk in line with schedule. Define action(s) for approvals and prioritise resolution.	02/06/2023	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	12/06/2023	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	02/06/2023	Rob Golding (Lou Otway)

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
DIP Build proceeding based on Architecture as documented	Final approvals for the Logical and Physical Architecture documents	02/06/2023	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	16/06/2023	Richard Gwatkin
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)	06/06/2023	Smitha Pichrikat

DIP Readiness for M9 – POAP



RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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Status & Outlook	Progress last month: <ul style="list-style-type: none"> Responded to CR022 Continuing to work with the programme to resolve new and existing DIs Applying migration design to MPRS design Further work on MPRS Proof of Concept Work with the programme to understand what MPRS functionality is required for CIT Working to understand practical requirements of SIT 	Progress expected in the coming month: <ul style="list-style-type: none"> Refine MPRS production interfaces plan Continue developing Impact assessments by SSP Develop waterfall/agile hybrid development plan for migration DBT Continue progressing DIs to resolution with the programme Further understand ideas for MPRS involvement in CIT in conjunction with MHHS Programme Assessing stage 0 data cleansing requirements Work with the programme to understand what MPRS functionality is required for CIT
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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	30-06-23
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 in timely manner	Design CR should resolve 90+ DIs. There is a risk that this CR is not approved in a timely manner 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
Unnecessary scope of tests for CIT	The scope of tests required for CIT through MPRS is unnecessarily broad.	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/assurance 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		

Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24
06/02/2023	Sprint 1 IA/Dev/ST	26/04/2023										
	UAT/FAT Prep											
			FAT/UAT									
					Finish sprint 1							
					30/06/23							
	17/03/2023		Sprint 2 IA/Dev/ST		05/07/2023							
	UAT/FAT Prep											
					FAT/UAT							
						Finish sprint 2						
					30/08/23							
					Sprint 3 IA/Dev/ST	01/08/2023						
				07/06/2023								
					UAT/FAT Prep							
								Execute FAT/UAT				
								Finish sprint 3				
								31/10/23				
					17/07/2023	IA/Dev/ST		28/10/2023				
									Prep			
										FAT/UAT		
											Finish sprint 4	
											31/01/24	
									Sprint 5 IA/Dev/ST			
								28/09/2023		28/12/2023		
											UAT/FAT Prep	
												Execute FAT/UAT
												Finish sprint 5
												28/02/24

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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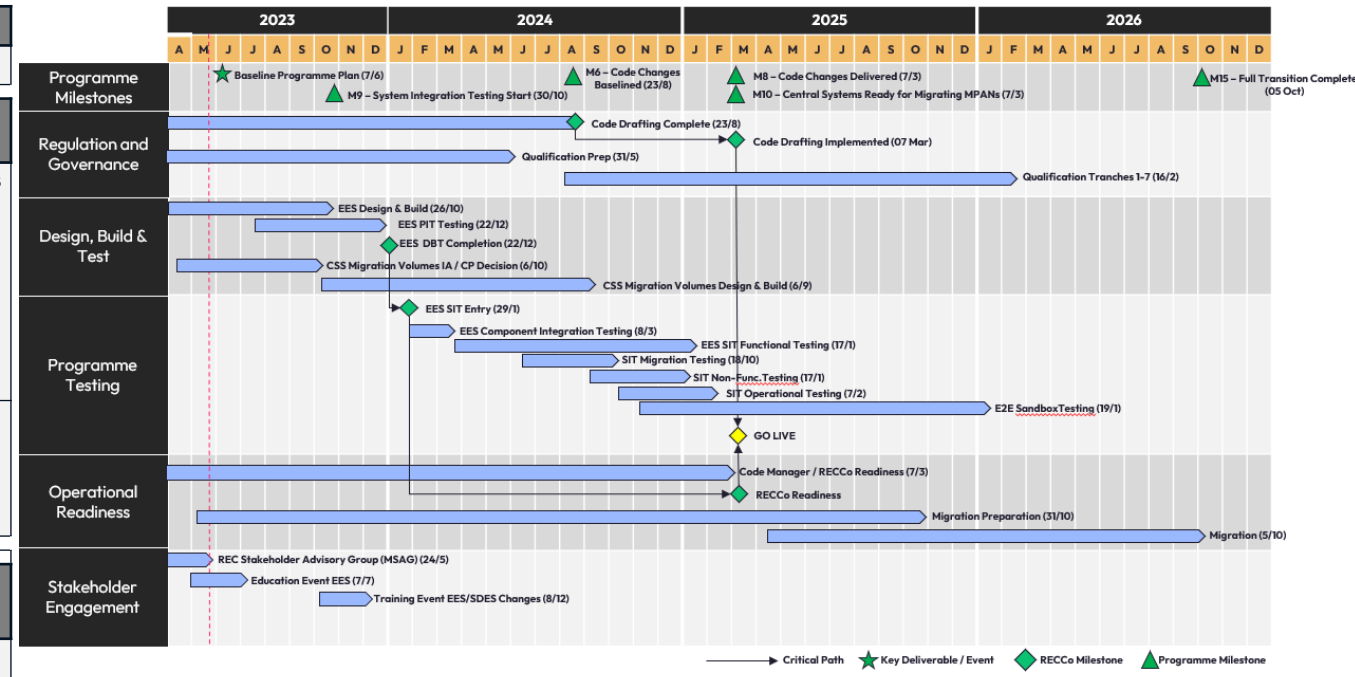
Status & Outlook	Progress last month: <ul style="list-style-type: none"> CR022 IA response submitted to programme, and RECCo / C&C plans aligned to the replan. C&C DBT for EES changes continues and remains on track. Minor delay to Core Design Complete milestone (due 19/5) to accommodate approvals process for Core Design Functional Spec. Aiming to be signed off 26/5. Qualification Approach and Plan supported by QWG and TMAG, PAB approval due 30/5. REC Metering Code Drafting approved by CCAG on 24/5. 	Progress expected in the coming month: <ul style="list-style-type: none"> EES Core Design Functional Specification approval Initiate EES Test Planning and continue build activities Qualification Approach and Plan REC PAB approval 30/5 MSAG Meeting #9 Prep for EES Education Event in July 2023 Further work to define MEM / Supplier / DNO / Registration Service Assessment Criteria for Qualification
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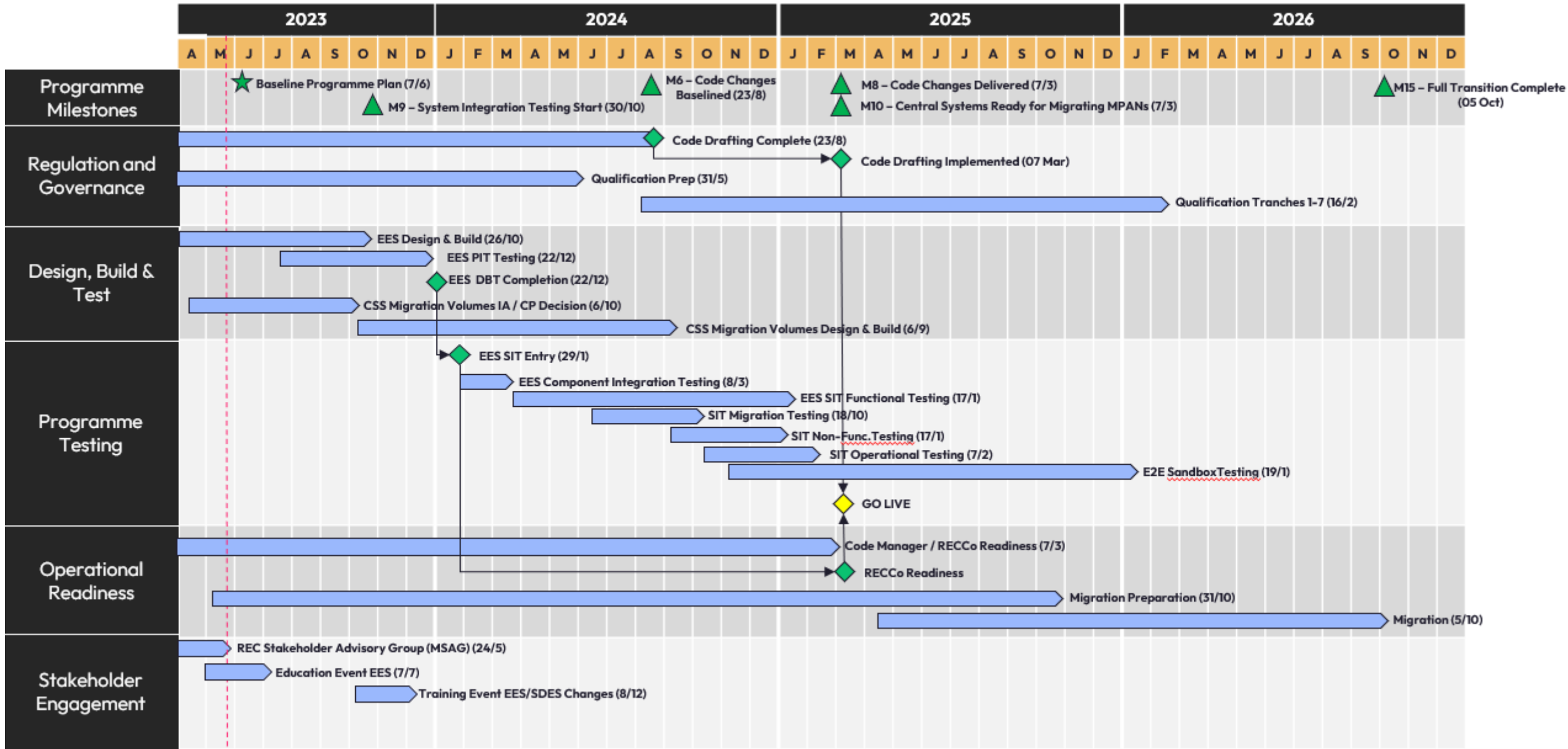
Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
EES DBT Start	01/03/2023	
EES Core Design Complete	19/05/2023	26/05/2023
Metering Code Drafting	24/05/2023	
EES Core Build Complete	04/08/2023	04/08/2023
Registration Code Drafting	23/08/2023	23/08/2023
EES Ancillary Design Complete	05/09/2023	05/09/2023

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 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
There is a risk that design gaps / issues are identified that delay Code drafting, which will impact the delivery of the M6 Milestone	Identify and raise issues with the programme, and ensure impact assessment of design issues/changes includes impacts to code drafting	Aug'24	Andrew Wallace

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





RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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Status & Outlook	Progress last month: <ul style="list-style-type: none"> DCC engaging with multiple prospective MDR parties – now totalling 9 Final costs presented following FIAs from SP's, relating to Capacity received. Release & Environment strategy discussed with the Programme. 	Progress expected in the coming month: <ul style="list-style-type: none"> Detailed approach to Release & Environment approach to be agreed with DCC & the Programme. DCC/MHHS Programme Governance structure to be agreed Start of DCC SIT Testing for MP162
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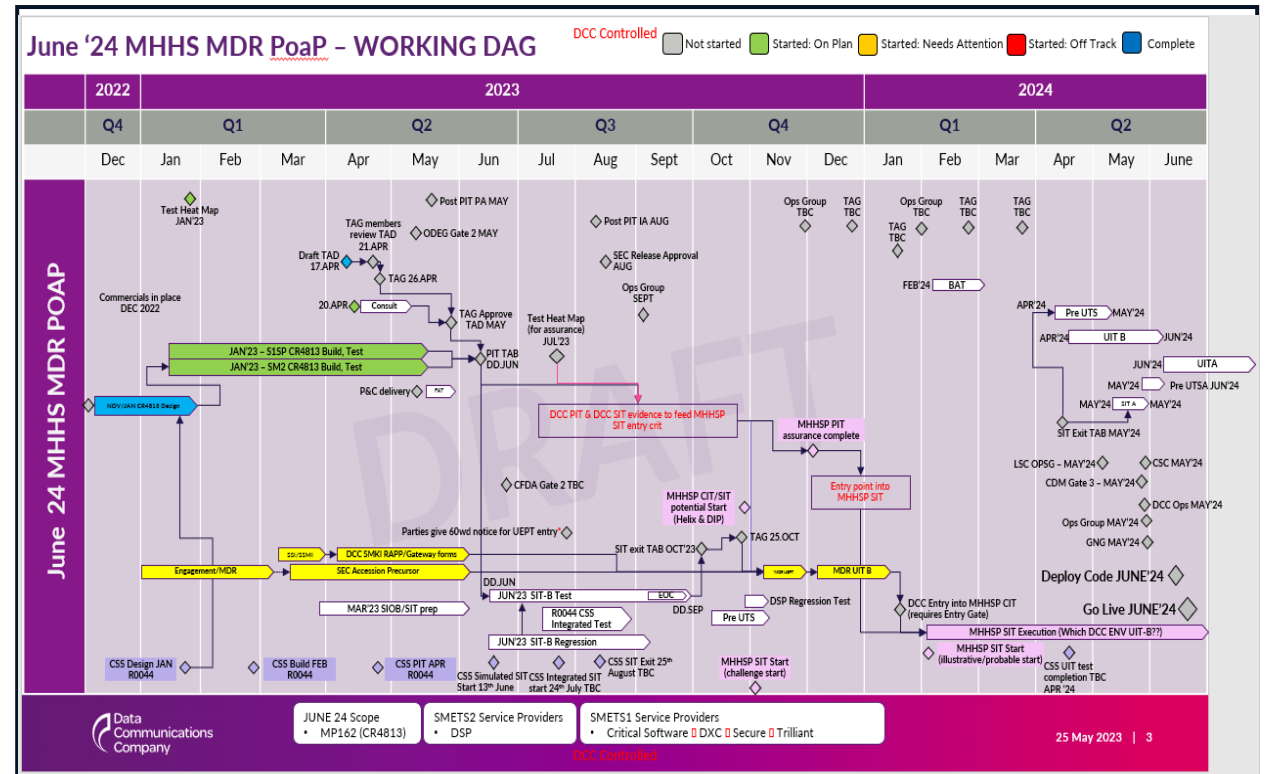
Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
Ofgem approval	25-10-22	28-11-22
MP162 DBT complete	15-05-23	15-05-23
MP162 SIT complete	15-09-23	15-09-23
MP162 MDR UIT Start	17-07-23	17-07-23
MP162 Go-LIVE	20-06-24	20-06-24
MHHS Capacity uplift	20-06-24	20-06-24

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.	05-06-23	MHHSP



RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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Status Update	<p>ElectraLink updates for June 8th 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), fortnightly sessions with the programme and Webinars. • No risks, issues or dependencies are to be reported at this time. • When we requested detailed information and answers to queries regarding the MHHS Swagger Documentation, the MHHS Design Team responded promptly and effectively, fostering a smooth and efficient collaboration. We have maintained excellent engagement with the MHHS Design Team throughout the process. 	<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.
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Decisions required	From whom?	By when?
None		

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			

RAGs	Overall	Approach	Plan	Resources	Budget	Risk
Status & Outlook Activities reported as progressed in February: <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 Held internal meetings Progressing with DIP procurement process Currently testing MPRS v8.2 Preparation for IPA Assurance activities and meetings Reviewed requirements for datacuts Investigated changes required to internal system Routes to Qualification – Requesting Programme clarification on scope of SIT/ non-SIT LDSO 	Activities reported as expected to progress in March: <ul style="list-style-type: none"> MHHS Stage0 System Integration and Testing, Implementation & Go-live. DBT1 – Requirements, Detailed design and solution delivery plan, Build. Complete procurement of all systems required for DBT1 (adapter, DNO systems). Plan for Production data cut, Data cleanse. Continue to review routes to SIT/ Qualification and dependencies, Design issue resolution. Continue to attend various MHHS programme meetings; Review of artefacts. 		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 –but potential for change requests required to resolve design issues raised (and known DIs need to be resolved – there is an element of the design being built at risk which needs the Programme to confirm via CR/other method) *Durabil/UMSO/LDSO approaches to be decided – subject to programme clarifications *At the time of this report both DNOs and St Clements are still unsure of the full requirements for CIT, still awaiting key information from the Programme/DIP provider in relation to the code of connection and PHID. There are also other areas outstanding that affect the DBT of the DNO systems including the reverse migration and operating hours.	
	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		ASAP		
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		23/05/23 (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		June 2023		
Decisions required from the programme		Impact of no decision		Decision by when?		
CR017/CR018/CR019		CR017/18 Requirements ambiguous leading to potential misalignment across parties; CR019 DNO's unable to recover DUoS charges		15/05/23		
Design issue re requirement to route internal DNO interfaces via DIP (Registrations – LDSO; UMSO –LDSO)		Unnecessary Complexity, Cost, and Risk to programme delivery with no identified benefits. Knock on impact to Testing, Qualification and Code Drafting		15/05/23		
Scope for SIT (Functional) participation by the DNO (Durabil/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.		23/05/23		
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		23/05/23				
Clarification of Qualification testing requirements (non Registrations)		23/05/23				
Clarification of DNO to DNO processing via DIP (UMSO and LDSO processes)		15/05/23				
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. All parties to be engaged. This needs to be clarified in June to be able to meet deadlines to share		
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.		
DNO Adaptor status						
Decision to use an adaptor			Functional scope of adaptor agreed		Adaptor procurement completed	
Yes 6			MPRS only		Wider 6 In Progress – 1 complete	

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	
Status & Outlook	Activities reported as progressed in April: <ul style="list-style-type: none"> Reviewed and responded to updated Design artefacts Reviewed and responded to SIT CIT Scenarios consultation Further review and discussions regarding CR018 Reviewed and submitted response to the Design Assurance questionnaire Progressed unnecessary duplicate messages within design Reviewed DIP CoCo and PKI Policy Progressed IDNO collaborative testing proposals Monitored progress of LDSO DINs Shared DBT Systems Requirements internally Submitted response to Overarching Test Data & Plan review 		Activities reported as expected to progress in May: <ul style="list-style-type: none"> Continue to gain better understanding of SIT and Qualification requirements Continued review of draft Code changes Continued monitoring of LDSO DINs progress, particularly CR017 and CR018 and unnecessary/duplicate messaging Continued progress of IDNO placing reliance testing Discuss potential MPRS environments issue which could affect SIT participation. 		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)						
	Decisions to be made by IDNOs		Impact of no decision		Decision by when?		
	Understand whether the IDNO Placing Reliance for SIT meets the Programme Code Bodies Requirements.				236.05.23		
	Ensuring all relevant systems are included in SIT qualification e.g. bespoke UMSO 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?		
	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		
	Final clarification from the Programme on what is required for M9		May influence the priority of build and could impact M9 readiness and subsequent milestones		ASAP - impacting our own and SCS’ 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					
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					
Potential lack of environments of MPRS available for prospective SIT participants for full E2E ie UMSO and Network	Affect the number of SIT participants, and potential Collaborative Testing with IDNOs	Programme, St Clements, C&C and LDSOs to agree way forward.					
Registration system Service Provider working in Sprints for entering and participating in SIT	Potential delay to full systems activities being available.	Clarity required from Programme on timeline for resolution of these activities					
For those intending to participate in non-SIT LDSO (qualification) testing							
Non-SIT LDSOs testing start (Functional / Migration / NFT / Ops)		02-Jul-24 [#] High confidence [1] Medium confidence [#] Low confidence					
M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs		07-Mar-25 [#] High confidence [1] Medium confidence [#] Low confidence					
IDNO Adaptor status							
Decision to use an adaptor		Document Classification of adaptor agreed		Adaptor procurement completed			
Yes I7I	No I0I	MPRS only I0I	Wider I0I	I0I			



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	£1.03	£2.95	£1.25	£1.35	£2.09	£1.22	£1.19	£1.76	£1.14	£1.23	£1.60	3.02*	£19.83
MHHS Act/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	£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													
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.

SI Workstream – Progress Update

SI Progress
Updated to 31/05/23

Workstream	Progress	Next steps		
		What	Owner	By When
Design	1700+ design query levels received to date: <ul style="list-style-type: none"> Low volume outstanding (Approx 50) Average response time in May for closed tickets is 4 days Significant amount of reviews to identify inconsistencies in the Interface specification 368 items on the DIN log entries including A new fast-track design update process is being tabled at PSG for approval 	Continue to answer queries and monitor levels Where possible, address queries in bulk (e.g. ESG)	MHHS	Ongoing
		Proposal being made at PSG to fast-track design updates	MHHS	8-June-23
Design	Design Assurance <ul style="list-style-type: none"> Cohort 1 – Responses received 2/5 initial interview have been performed Cohort 2 – 27 out of 35 SIT volunteers have responded, the team has started the analysis and schedule meetings 	The team is conducting initial interviews with Cohort 1, awaiting on 2 responses for interviews Analysis of Cohort 2 has started and request for interview will go out in the next two weeks	CPPs	Jun-23
			SIT volunteers	10 June 23
Testing	SIT volunteers – MVC is established. Placing Reliance Policy version v0.6 issued and approved at REC & BSC PABs and TMAG. Volunteers are making proposals on how they will conduct SIT	Submit proposals	SIT volunteers	02-Jun-23
Testing	Testing documentation in progress/published in last month: <ul style="list-style-type: none"> Defect Approach and Plan was published on 25-May-23 Overarching Test Data Approach & Plan – following TMAG on 31-May- 23 Component Integration Test Approach & Plan + associated Data Approach & Plan SIT - Functional Testing Data Approach & Plan + associated Data Approach & Plan Defect Approach and Plan was published on 25-May-23 ADO User Guide – due to be published (no consultation) 	TMAG approval by correspondence Industry consultation Assurance review Industry consultation Assurance review Published	TMAG	16-Jun-23
			PPs	07-Jun-23
Testing	Test Data <ul style="list-style-type: none"> DPIA approach being worked through with Elexon Central test data storage (following data cut) and methods of data transfer being finalised Comms being drafted for 2 month notice of data cut Participants take data cut 	Communication of data cut Data cut	MHHS	19-Jun-23
			PPs	19-Aug-23
Testing	LSCs proposal on a phased entry into SIT was considered by the MHHSP and the compromise option to invoke a phased delivery approach to SIT functional was approved.	n/a	n/a	n/a
Sims & Ems	38 out of total 40 interfaces are now live and are being accessed by 47 PPs. 2 out of 8 total reports are implemented. The remaining 2 interfaces and 6 reports are on track to be released by end of June 23.	Further development	MHHS	30-Jun 23
Sims & Ems	Data generators are both now live since 24th May 23. Implementation of an additional format of IF-021 is due to be completed by end of June 23.	Further development	MHHS	30-Jun 23
Migration & Transition	Initial Data Cleanse Plan Technical Groups completed. Draft plan and findings released for industry review in May, document release for consultation in June, ahead of final approval in July 23	Final document released for industry review TMAG Approval	MHHS	09-Jun-23
			MHHS	19-Jul-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	08-Jun-23
Migration & Transition	Migration, Data and Cut-over Strategy drafted, ahead of final document being issued in early May 23, approved at TMAG 31-May-23.	Development of detailed artefacts referenced within the strategy document. Confirmation on export MPAN position with Ofgem.	MHHS	Ongoing
Migration & Transition	Migration Model continues to be refined, to be shared with MWG in June 2023.	Updated model to be shared at MWG	MHHS	08-Jun-23



Status Summary

- Tranche 1 code artefacts successfully approved with the status 'Published Approved' at CCAG on 24-May-2023
- Tranche 2 (Registration) Artefacts have been issued for consultation on 31/05, consultation closes on 21-Jun-23.
- Tranche 2 (BSC Central Services) code artefacts remain on track for consultation to commence on 21-Jun-23
- Code drafting resource is still required to support transition design and the impact is being managed



June Deliverables

- Triage and action consultation comments from tranche 2 Registrations Artefacts
- Continue code drafting of BSC Central Services
- Issue BSC Central Services artefacts for consultation
- Commence detailed planning and preparation towards Code Drafting Tranche 3 phase



Risks

#	Risk or Issue	Mitigation Plan	RAG
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 the Design Artefact Update Process (subject to PSG approval) into consideration and plan accordingly The Code Drafting Plan also has a phase planned in to incorporate any changes into the code drafting artefacts	Medium 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. Update: The code drafting re-plan has incorporated this consideration and will be monitored on an ongoing basis to manage this risk actively.	Medium 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	25/5/23	24/5/23	BSC
Metering Services approved at CCAG	24/5/23	24/5/23	REC
			BSC
Interfaces/Data Specification approved at CCAG	13/11/23	13/11/23	Green
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
Migration Text approved at CCAG	13/11/23	13/11/23	Green
Transition Text approved at CCAG	25/01/24	25/01/24	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	Amber
Code changes baselined (M6)	23/08/24	23/08/24	Green
Smart Meters Act powers enabled (M7)	11/11/24	11/11/24	Green
Code changes delivered (M8)	7/3/25	7/3/25	Green

*dates subject to Replan CR

Design Advisory Group (DAG)

Updates from DAG 10 May 2023

1. **Interim Release 1:** Updates were provided on the design changes scheduled to be released in June 2023 as part of Interim Release 1. Change marked design artefacts were issued for review and an assurance forum will be held 26 May 2023 to seek agreement on the revised artefacts ahead of submission to DAG on 14 Jun 2023. Interested parties should contact PMO@mhhsprogramme.co.uk for joining information.
2. **Change Requests:** The DAG discussed CR018 (Registration Service Operating Hours) and agreed further amendment should be undertaken and the change re-issued to parties for further Impact Assessment before returning to DAG for approval. The Programme is currently working with the LDSO community to amend the CR ahead of re-issuance to Impact Assessment.

DAG papers available [here](#)

Cross-Code Advisory Group (CCAG)

Update from CCAG 24 May 2023

1. **Code Drafting Tranche 1 Recommendation:** The CCAG accepted the recommendation of the Code Drafting Working group (CDWG) that the first tranche of code drafting should be 'approved for publication and subject to change control'. The code artefacts will be published on the Programme Collaboration Base. The next drafting topic is Registration, and a consultation will be issued in due course according to the Code Drafting Plan.
2. **BSC Issue 101:** The BSC provided an overview of the timelines and potential code drafting requirements for BSC Issue 101. Several potential dependencies on MHHS code drafting exist, and participants are urged to engage with the Issue 101 consultations on the topic of onboarding/qualification.
3. **Code Drafting Process Map:** A revised code Change Process Map, which seeks to provide a framework and principles for the management of external code changes which may be dependent on change to the MHHS Design was accepted by the CCAG. An emphasis on early dialogue and flexibility was agreed.

CCAG papers available [here](#)

Testing and Migration Advisory Group (TMAG)

Update from TMAG 17 May 2023

1. **SIT Approach Proposal:** The Programme provided an update that the SIT Approach. It was agreed with phasing of PIT evidence for each stage of SIT
2. **Test Data Approach and Plan:** The Programme provided an update on the timelines for the Test Data Approach and Plan
3. **CIT & Functional Test Approach and Plan:** The Programme provided an update on the timelines for the the CIT & Functional Approach and Plan
4. **Release Management and Configuration Approach:** The TMAG approved version 0.4 of the Release Management and Configuration Approach
5. **Qualification Approach and Plan:** The TMAG approved version 0.2 of the Qualification Approach and Plan
6. **Testing Assurance for Period P1:** The IPA provided an overview of activities for the first testing assurance period.

TMAG papers available [here](#)



SIT Participation

- 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:** Continue to track volunteers and highlight to Simon any participants that show interest to arrange meetings to be set up and invites to FTIG to be sent out.



Qualification

- The PPC Team has observed an uptick in questions in relation to Qualification in the past few weeks, as participants make the decision to opt-out of SIT participation.
- There has been increased communication and engagement with the Code Bodies, with PPC members attending QWG and associated preparation and debrief meetings.
- **Next steps:** Continue to engage with the Code Bodies to increase understanding of Qualification and impact on participants.



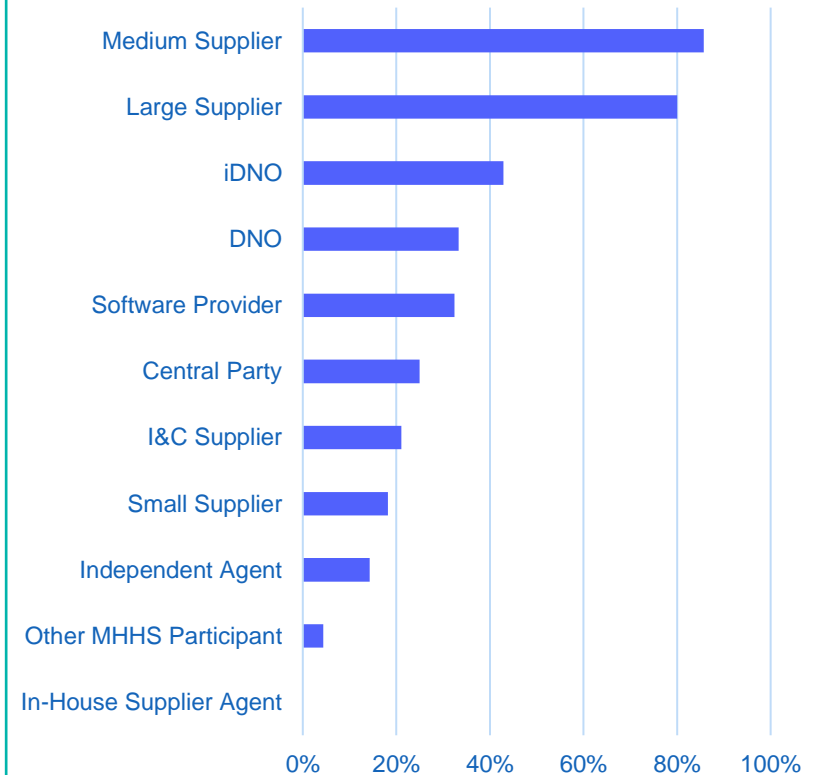
Communications Channels

- The PPC team supported the Programme with two webinars. One on the DIP: CoCo and PKI Policy on **11 May** and the second webinar was on the Code Consultation on **23 May**.
- Date for the next Open Day is **13 June** has been set to give participants an opportunity to meet in person.
- **Next steps:** Continue to develop the content and agenda for the Open Day.

Participant Engagement by Constituency

The PPC team held **47** bilateral meetings with Participants this month. The chart below shows the percentage of these Participants in each Constituency that were met.

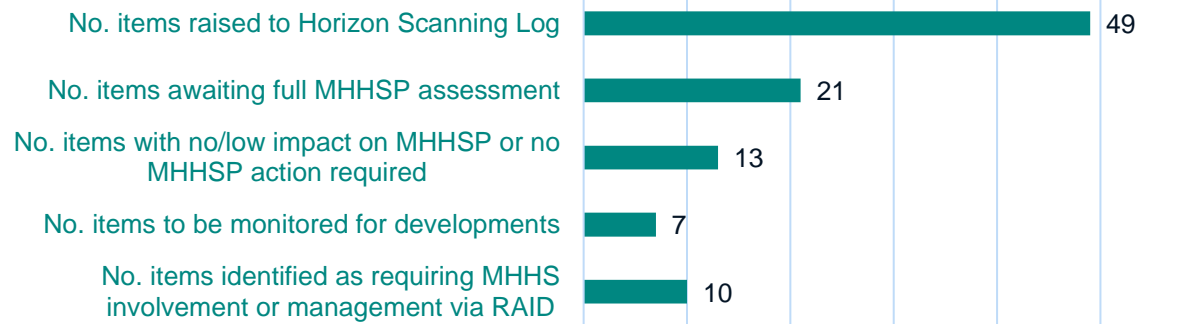
% Participants met, by Constituency



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

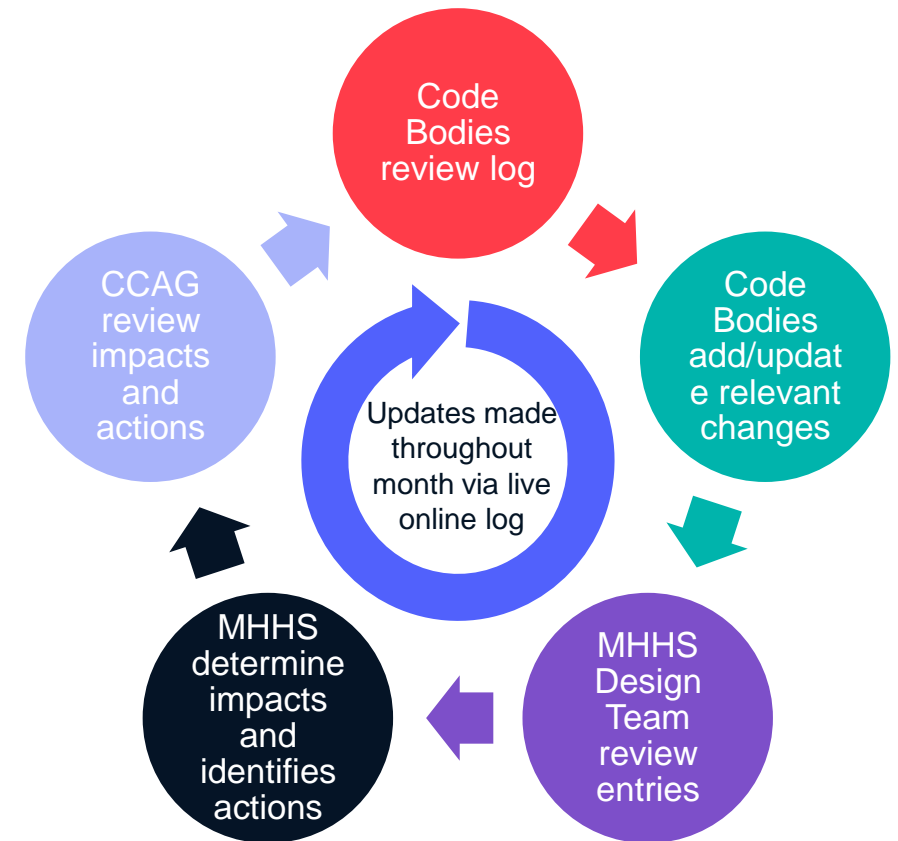


More information can be found via the [CCAG meeting papers](#)

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

- Industry code changes: 42** – REC: 23, 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)** - Monthly cadence of interactions with MHHS to support embedded assurance.
- **MHHS Programme Plan (WP3)** - Embedded assurance in programme re-plan activity - **Completed** - Executive summary of final PA Report on re-plan shared with PSG, with full report shared with SRO and Ofgem.
- **Design Documentation (WP4)** - Embedded assurance in design activity - **Completed** - IPA provided input on Data Cleanse Plan. **In Progress** - Monitoring design query management and reviewing proposed changes to process.
- **Conflicts of Interest (WP 5)** - **In Progress** - Preparing for mobilisation

Stage-Based Assurance

- **Test Assurance (WP9, 10, 11)** - Embedded assurance in testing activity - **Completed** - Assurance Terms of Reference agreed with the Programme and Ofgem. **In progress** - Fieldwork for the first phase of assurance activity "Test Assurance Period 1".



Upcoming Assurance Activities

- **Test Assurance WP9/10/11** - Period 1 Reporting summary will be shared in July PSG
- **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 actions from IPA reports:

Complete
20

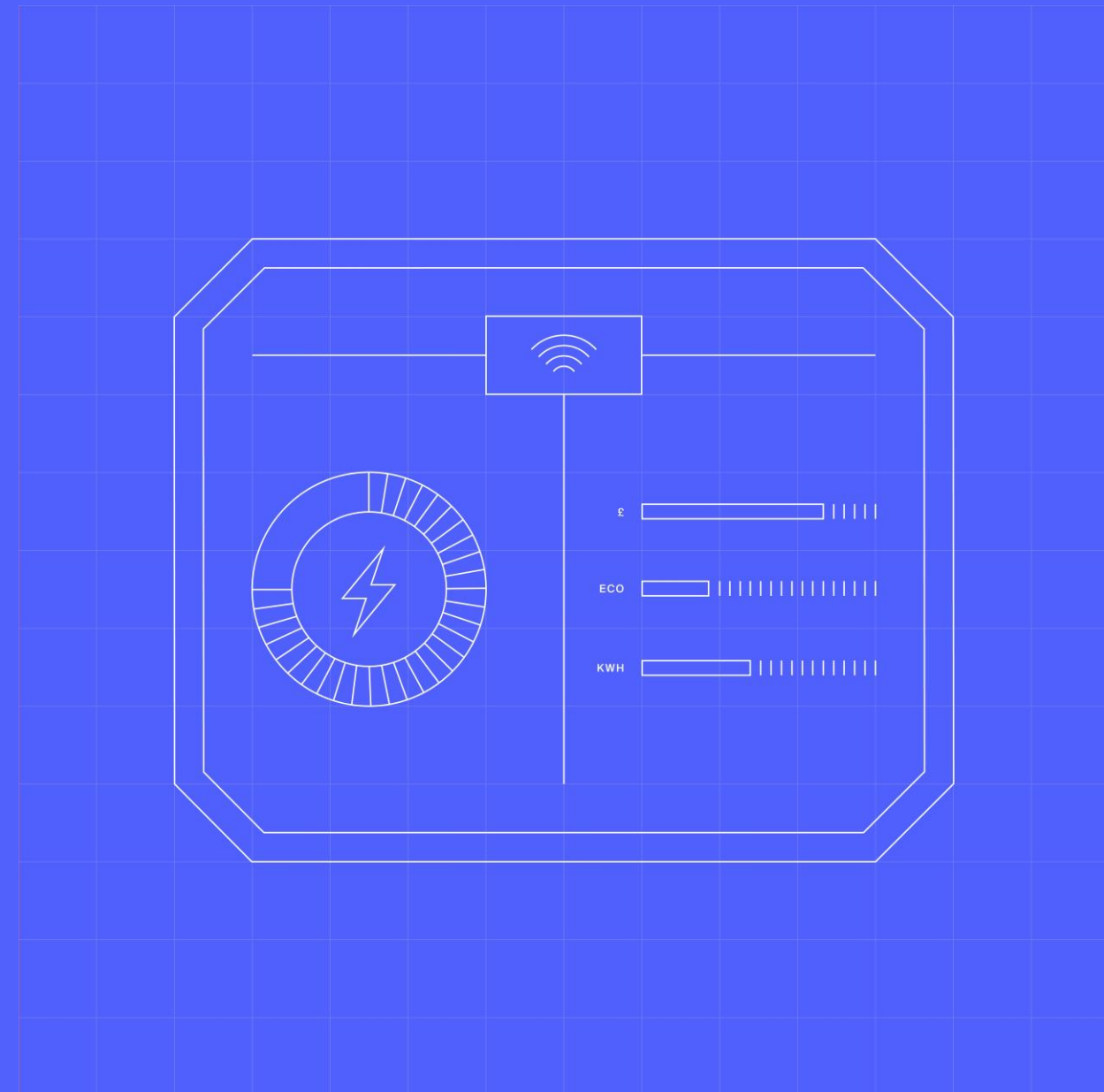
In progress
19

Summary and Next Steps

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

Chair and Secretariat

5 mins



Summary and next steps

1. Confirm actions and decisions from meeting
2. Next PSG meeting: **05 July 2023 10:00 – 12:00**

05 July 2023 agenda items

- SIT update
- Design assurance insights
- RAID key themes review
- Core Capability Provider update

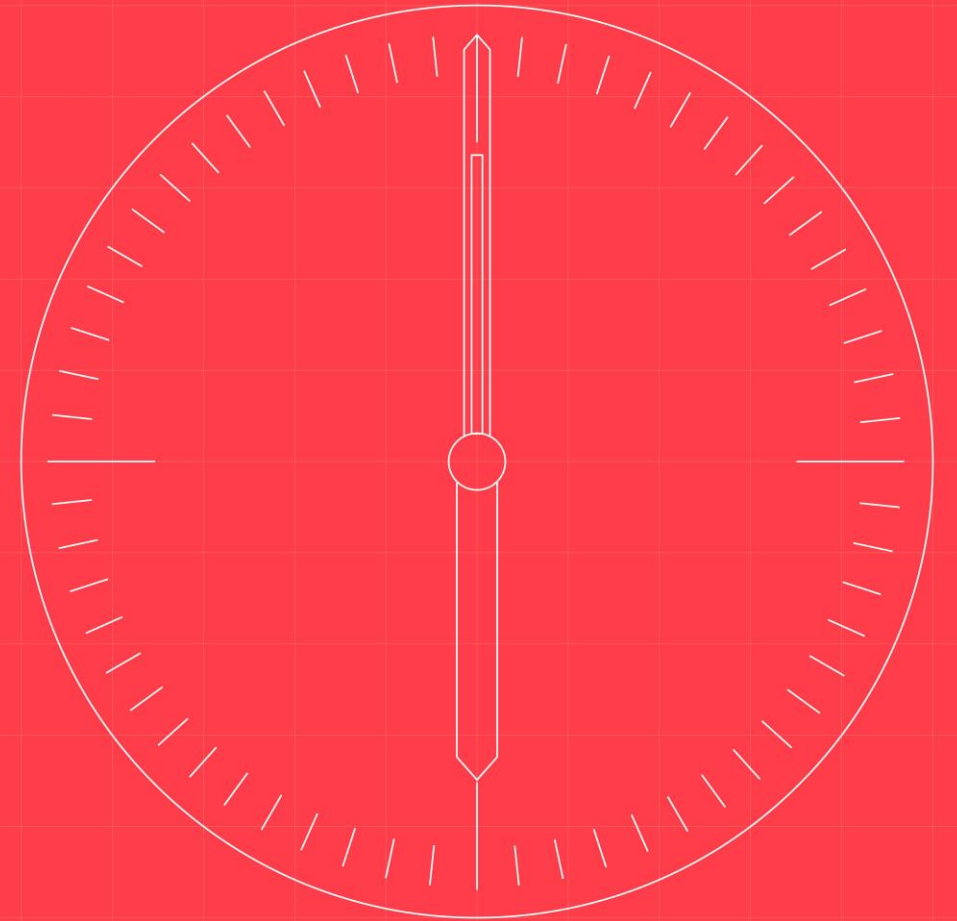
Standing items

- 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	Estimated Consultation Start Date	Consultation Timeline	Due Date	Status
FTIG	Delivery Assurance Cohort One Questionnaire Issued	FTIG	N/A	31-May-23	12 Working Days	16-Jun-23	Live
Code	Registration (REC & BSC)	CDWG	CCAG	31-May-23	15 Working Days	20-Jun-23	Live
Migration	Data Cleanse Plan (Review 2)	MWG	TMAG	09-Jun-23	10 Working Days	23-Jun-23	Upcoming
Testing	SIT Component Integration Testing (CIT) Test Approach & Plan	SITWG	TMAG	09-Jun-23	10 Working Days	23-Jun-23	Upcoming
Testing	SIT Component Integration Testing (CIT) Test Data Approach & Plan	SITWG	TMAG	09-Jun-23	10 Working Days	23-Jun-23	Upcoming
Code	Central Services (BSC)	CDWG	CCAG	21-Jun-23	15 Working Days	11-Jul-23	Upcoming
Testing	SIT Component Integration Testing (CIT) Test Approach & Plan (Assurance)	SITWG	TMAG	30-Jun-23	5 Working Days	07-Jul-23	Upcoming
Testing	SIT Component Integration Testing (CIT) Test Data Approach & Plan (Assurance)	SITWG	TMAG	30-Jun-23	5 Working Days	07-Jul-23	Upcoming
Testing	SIT Functional Test Approach & Plan	SITWG	TMAG	07-Jul-23	10 Working Days	21-Jul-23	Upcoming
Testing	SIT Functional Test Data Approach & Plan	SITWG	TMAG	07-Jul-23	10 Working Days	21-Jul-23	Upcoming
Testing	SIT Functional Test Approach & Plan (Assurance)	SITWG	TMAG	28-Jul-23	5 Working Days	04-Aug-23	Upcoming
Testing	SIT Functional Test Data Approach & Plan (Assurance)	SITWG	TMAG	28-Jul-23	5 Working Days	04-Aug-23	Upcoming
Code	Interfaces / Data Spec (Rec & BSC) , Migration (REC & BSC) and Qualification Governance (REC & BSC)	CDWG	CCAG	18-Aug-23	15 Working Days	08-Sep-23	Upcoming
Code	Topic Area Mop-up (All Codes)	CDWG	CCAG	Q1 2024	15 Working Days	08-Mar-24	Upcoming
Code	Finalise and consistency (All Codes)	CDWG	CCAG	Q2 2024	15 Working Days	04-Jul-24	Upcoming
Code	Transition Text (REC & BSC)	CDWG	CCAG	Q4 2023	15 Working Days	03-Nov-23	Upcoming
Testing	SIT Component Integration Testing (CIT) Test Scenarios	SITWG	TMAG	17-Apr-23	10 Working Days	02-May-23	Closed
DIP	Code of Connections Informal Review	n/a	DAG	03-May-23	5 Working Days	11-May-23	Closed
Migration	Data Cleanse Plan (Review 1)	MWG	TMAG	04-May-23	10 Working Days	19-May-23	Closed
Migration	Migration, Data Strategy and Cutover	MWG	TMAG	04-May-23	10 Working Days	19-May-23	Closed
Testing	Overarching Test Data Approach & Plan	DWG	TMAG	05-May-23	10 Working Days	22-May-23	Closed
DIP	PKI Policy	n/a	DAG	05-May-23	3 Working Days	11-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	SIT Functional Test Scenarios	SITWG	TMAG	15-May-23	10 Working Days	30-May-23	Closed