



MHHS
PROGRAMME

Industry-led, Exelon facilitated

Testing and Migration Advisory Group #9

22 September 2022

Version 1.0

MHHS-DEL621

Agenda

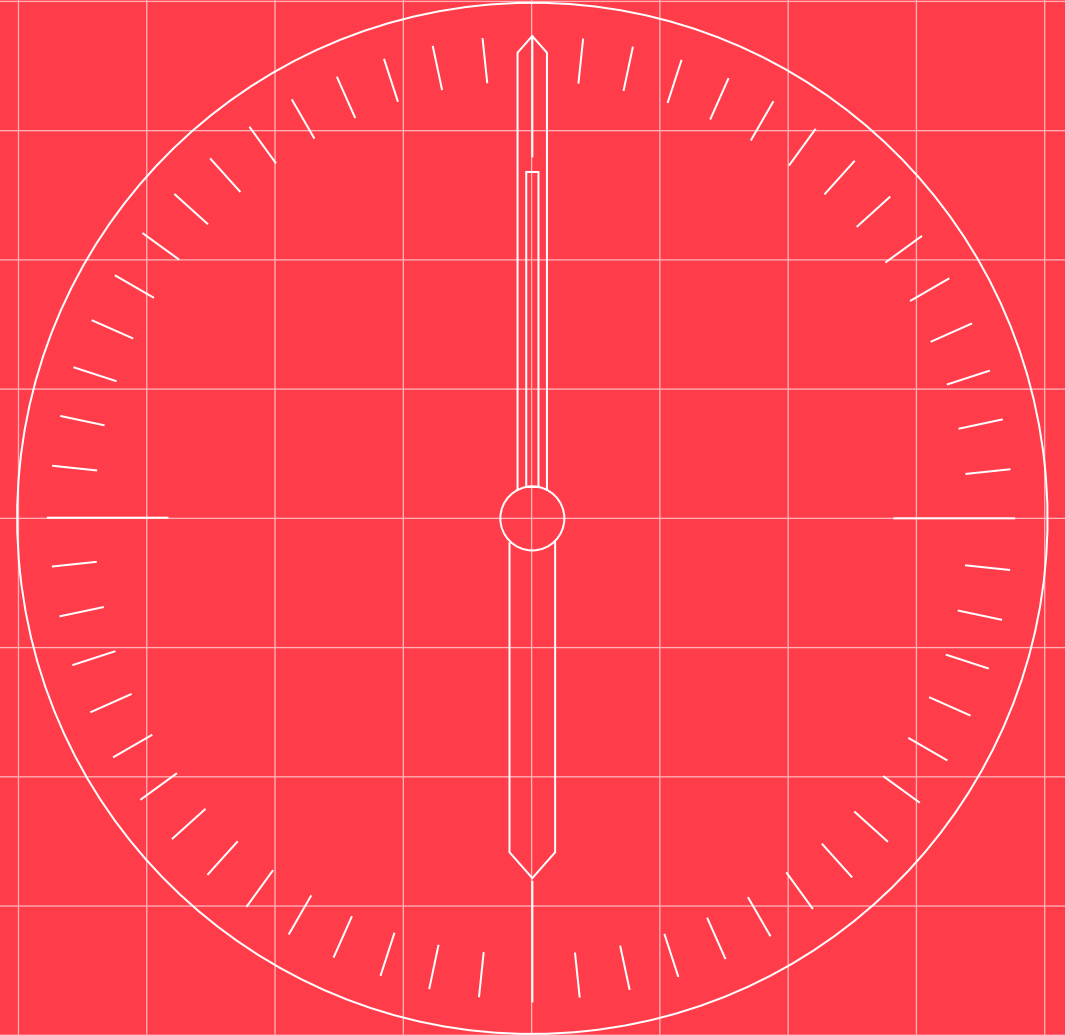
#	Item	Objective	Type	Lead	Time	Page
1	Welcome			Chair	10:00-10:05 <i>5 mins</i>	
2	Minutes and actions	Approve August TMAG minutes. Update on open actions, closing where appropriate	Decision	Chair and Secretariat	10:05-10:10 <i>5 mins</i>	3
3	Programme updates	Provide updates from L2/3 governance groups and wider Programme activity	Information	Programme (PMO)	10:10-10:15 <i>5 mins</i>	5
4	Programme re-plan	Review testing and migration components of the Programme re-plan Round 2 consultation (e.g. timescales, assumptions dependencies)	Discussion	Programme (Kate Goodman)	10:15-10:55 <i>40 mins</i>	7
5	Working group updates	Provide updates from the DWG, MWG, QWG and EWG	Information	Programme (working group leads as required)	10:55-11:15 <i>20 mins</i>	36
6	Summary and next steps	Summarise actions and look ahead to October TMAG	Information	Chair and Secretariat	11:15-11:20 <i>5 mins</i>	38

Minutes and actions

DECISION/INFORMATION: Approve August TMAG minutes. Update on open actions, closing where appropriate

Chair and Secretariat

5 mins



Minutes and Actions Review

1. **Approval of Minutes** from TMAG 17 August 2022 ([TMAG Meeting Minutes – 17 August 2022](#))
2. **Open Actions and Actions from TMAG 17 August 2022** (actions will be discussed by exception. Please review the action updates ahead of the meeting)

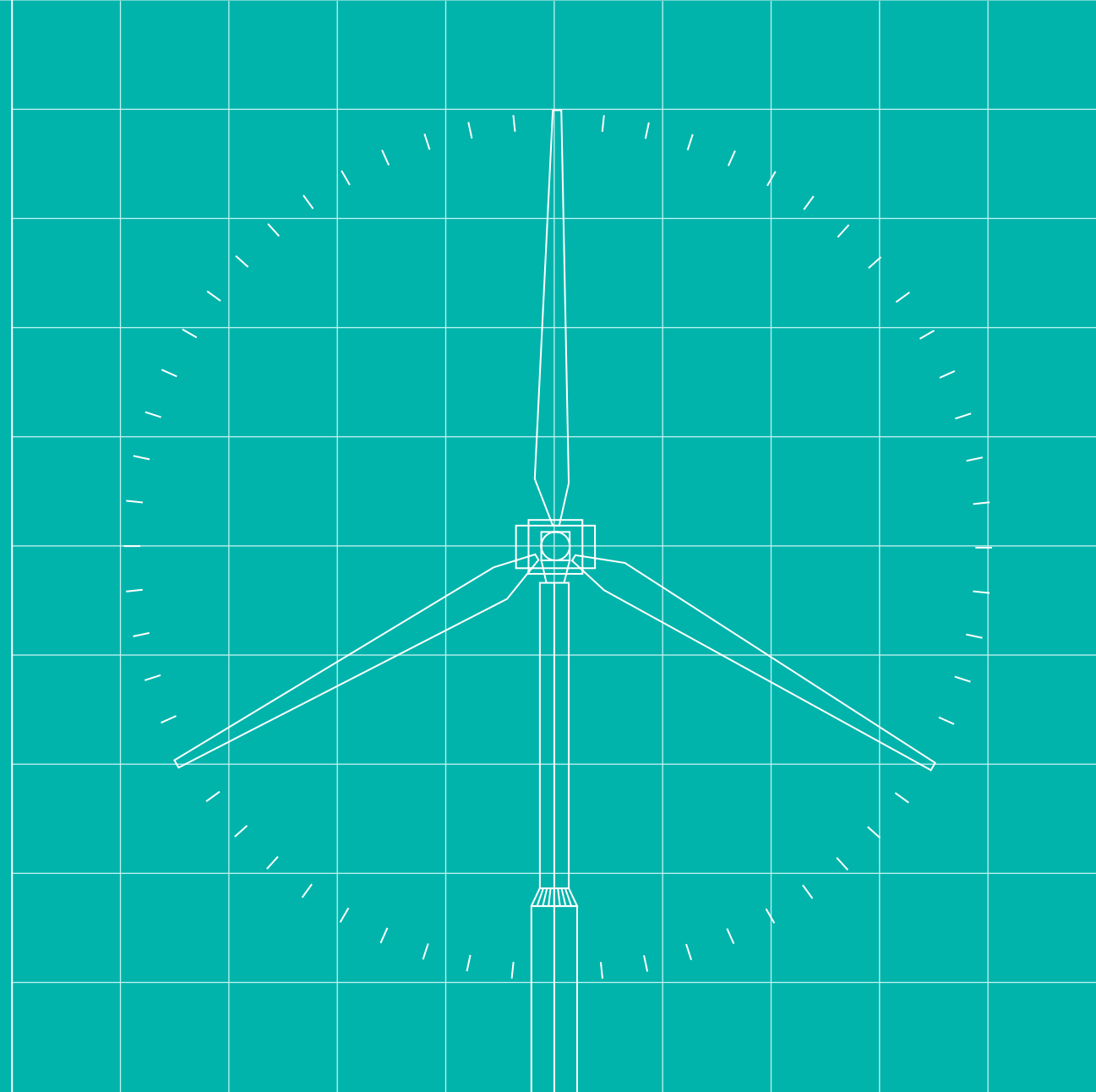
Ref	Date	Action	Owner	Due Date	Status	Latest Update
TMAG07-03	20/07/2022	Consider combining working groups to into a more efficient structure with fewer groups. Consider splitting sub-groups by relevant industry groupings to target discussion to most relevant parties	Programme	17/08/2022	Open - ongoing	To be explored further by the Programme and reviewed on an ongoing basis. We will assess how the four working groups are working as a whole, given QWG and EWG have only recently been established
TMAG08-01	17/08/2022	Develop and share a how-to guide for logging into the Programme Collaboration Base	Programme (PMO/PPC)	15/09/2022	Recommend closed	Collaboration Base access is request via the PPC at PPC@mhhsprogramme.co.uk and login is simple on the Collaboration Base site . The Collaboration Base has a set of user guides available in the Help Centre
TMAG08-02	17/08/2022	Respond to Programme replan consultation. Encourage constituents to respond to the consultation	TMAG members	26/08/2022	Open - ongoing	Round 2 consultation will open on 12 September 2022 and TMAG members are asked to continue to encourage their constituents to respond
TMAG08-03	17/08/2022	Explore mechanisms of information sharing across working groups to ensure communication across groups on related/dependent topics	Programme	15/09/2022	Recommend closed	<p>The following mechanisms exist from the MHHSP:</p> <ul style="list-style-type: none"> • Standard update slides at each meeting e.g. Programme and working group updates • Close working relationship between all group leads • Working group deliverables and dependencies tracker shared at TMAG • All meetings papers and outputs shared <p>Constituency reps/Programme participants also have a responsibility:</p> <ul style="list-style-type: none"> • Constituency representatives to engage with and provide feedback/comms to constituents • Programme Participants to attend working groups and engage with meeting papers/outputs
TMAG08-05	17/08/2022	Consult with constituents to determine if a TMAG pre-meeting webinar would be useful for them (as per the PSG pre-meeting webinars)	TMAG members	15/09/2022	Recommend closed	One piece of feedback received to PMO with some desire for a pre-meeting webinar. The Programme assumes there is limited appetite

Programme updates

INFORMATION: Provide updates from L2/3 governance groups and wider Programme activity

PMO

5 mins



Programme Updates

Governance group updates

Programme Steering Group (PSG)

Update from PSG 07 September 2022

1. **Programme re-plan** – the Programme summarised outputs of round 1 re-plan consultation and PSG discussed the plan for round 2 consultation
2. **Key Programme Issues** – the PSG discussed two key issues and associated actions around SEC MP162 and migration
3. **Consequential change process** – the Programme provided an overview of the recently improved consequential change process via the CCIAG
4. **Control Point 1** – the Programme presented the approach to Control Point 1. The PSG agreed to move Control point 1 to December
5. **CR009 decision** – following Ofgem approval of CR009, the new version of the [interim plan](#) was published.
6. **IPA Baseline Health Check** – the Programme advised all IPA recommendations had been accepted save one. PSG reps were asked to obtain feedback from constituents on readiness for M3.

The PSG Headline Report is available [here](#)

Cross-Code Advisory Group (CCAG)

Update from CCAG 24 August 2022

1. **Horizon Scanning Log** – the CCAG considered the efficacy of the Horizon Scanning Log and agreed the need for improvement to the process. The group considered the future importance of the Programme responding to code consultations, particularly following M5.
2. **Design Success Criteria** – CCAG reviewed criteria approved by the DAG to assist the assessment of whether the design artefacts are sufficient to enable code drafting. A suggestion was made to highlight the BSC MHHS success criteria to the DAG for consideration
3. **Code Drafting Decisions** – work is ongoing to curate the code drafting plan and approach, which will commence post-M5. Activities include a prototyping activity for design artefact hosting to avoid duplication of artefacts in the codes. Other considerations include legal text activation and qualification
4. **CDWG** – the September CDWG was stood down owing to CR009.

The CCAG Headline Report is available [here](#).

Design Advisory Group (DAG)

Updates from DAG 10 August 2022

1. **Tranche 4 Approval** – the Tranche 4 design artefacts have now been issued. Participants may provide comments immediately. Formal comment window operated 20 August – 16 September 2022
2. **Review of RAID** – the DAG discussed the design risks associated with industry code change and resolved to drive improvements to the monitoring and management of code changes via the CCAG Horizon Scanning Log
3. **Transitional Plan** – work is ongoing to define transition requirements and consideration is being given to the available options and associated complexity/cost in conjunction with the TMAG
4. **Design RAID Review** – the DAG reviewed the design risks in the RAID register to ensure the descriptions and classifications were correct and up-to-date.
5. **D-Flow and DIP Mapping** – the Design Team have produced a [D-Flow and Interface Mapping](#) document detailing how DTN data flows map to new DIP flows.

DAG Headline Report are available [here](#)

Wider Programme updates

Programme re-plan

- **Round 1 re-plan consultation closed on 26 August 2022.** Round 1 focused on high-level Planning Artefacts, provided to improve consensus on plan structure, durations and sequencing, and to test high-level RAID
- **Round 2 consultation opened on 12 September – 30 September 2022.** A full, draft Programme plan has been published, including all activities, activity durations, milestones and dates, sequencing - and RAID information. Playback sessions are scheduled per constituency.
- Participants are encouraged to engage with Round 2 as the **last chance to meaningfully engage with the replan activities**
- **All re-plan content is published on the [MHHS Website](#)**
- Please contact PMO@mhhsprogramme.co.uk for more information

Design Progress

- All **design artefacts are now available** via the [Collaboration Base](#)
- The comments window is open until Friday 16 September 2022. Comments are submitted via a comments log. The comments log template is available [here](#) and completed logs should be emailed to design@mhhsprogramme.co.uk
- **Design walkthrough sessions have been taking place throughout August and the start of September.** A range of support material is available via the Collaboration Base and all meeting recordings are available on the [MHHS YouTube channel](#).
- For more information, please contact design@mhhsprogramme.co.uk

Readiness Assessment 2 (RA2)

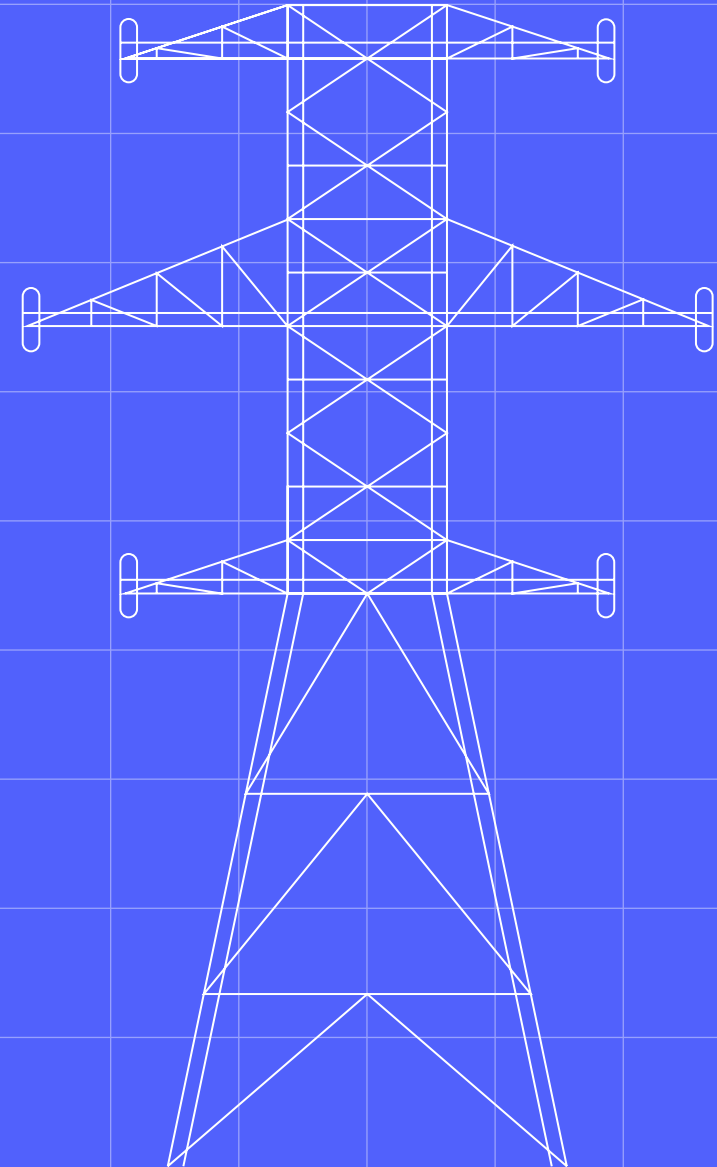
- **RA2 questions will be released on 16 September 2022**
- A **webinar was held on RA2 on 30 August 2022.** The slides and recording can be found [here on the MHHS website](#)

Programme replan

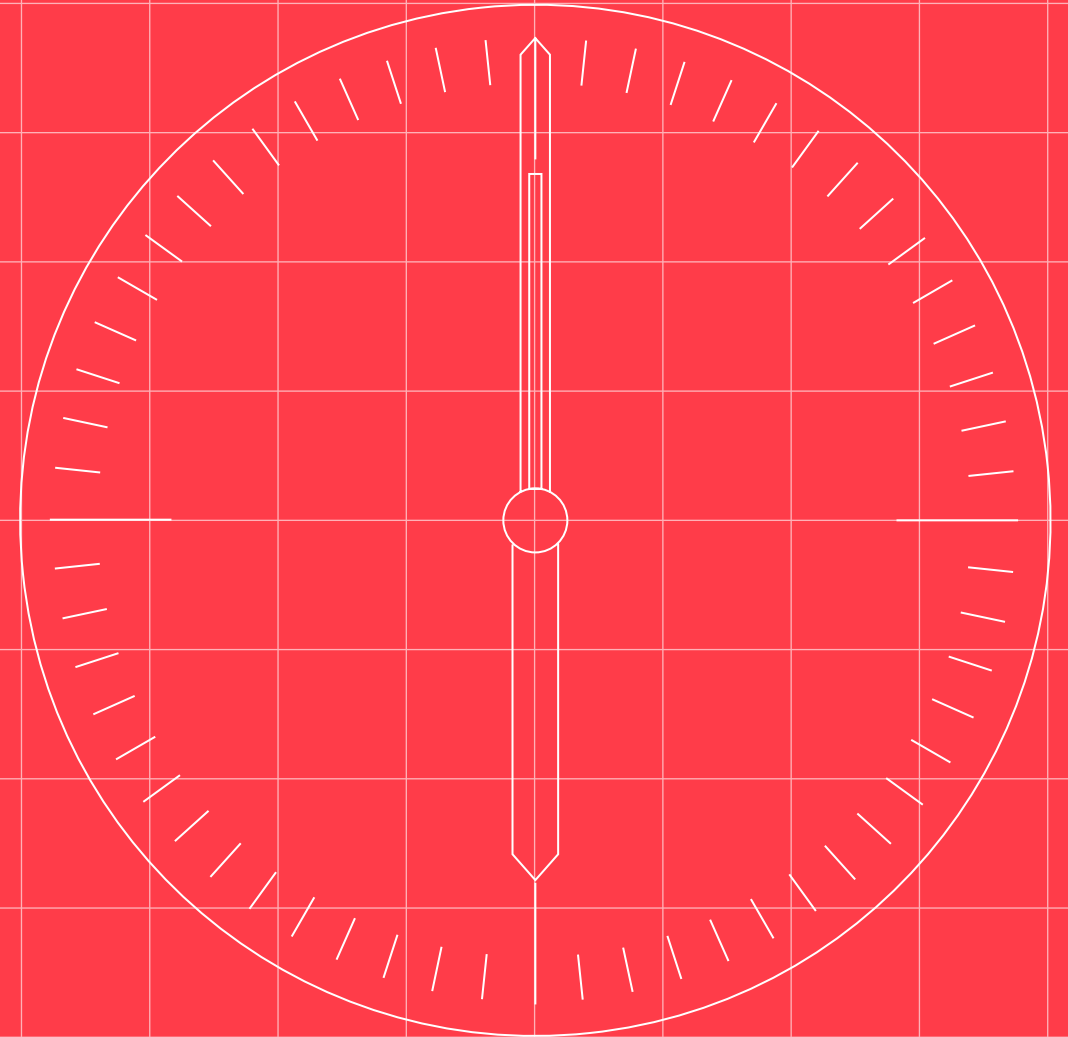
INFORMATION: Review testing and migration components of the Programme re-plan Round 2 consultation (e.g. timescales, assumptions, dependencies)

Programme (Kate Goodman)

40 mins



Overall Programme



Introduction to the MHHS Planning Consultation

Background:

- Currently, the MHHS programme is working in accordance with the existing MHHS Transition Timetable
- This timetable sets out the current regulatory requirement for when and how the MHHS programme should be delivered.

Objectives of the planning exercise:

- To fully consult on and assess ways to ensure that the plan is set up to see MHHS implemented as early as possible
- To identify a full plan, taking account of the full design and changes to the established plan so far, that leads to the earliest possible implementation of MHHS, based on evidenced planning from all relevant parties and a risk assessment of different options.
- To form a baseline Programme plan that can be approved by Ofgem - by demonstrating that any divergence from the overall timelines in the current plan are the minimum necessary to secure the earliest possible implementation.

By:

- Working with industry to develop the plan.

The plan as it is so far:

- The Round 1 draft was a working plan based on information available to MHHSP at the time of drafting. This had not been approved by Ofgem. It was an imperative for Participants to challenge and validate all assumptions in the draft with the aim of securing the earliest possible implementation date
- The plan has now been iterated for the Round 2 consultation and is being published together with this document and others
- In Round 2 we are presenting two iterations of the draft plan:
 - The first takes account of the general and specific feedback that we heard in Round 1. We have applied some challenges at this stage, but this remains largely un-evidenced and will need significant input from **you** to be considered credible by Ofgem.
 - The second applies a higher level of challenge in the light of the absence of evidence. This delivers MHHS earlier than the first and is therefore preferable if it could be delivered. We will be looking for you to provide information on the risks and costs associated with delivering the second timeline compared to those associated with delivering the first timeline or any proposals you have for amending either timeline.

How we want this Round 2 consultation process to work

1. Via planning documents, we have provided a range of dates to consider

Our Round 2 plan includes a detailed Microsoft Project Plan and associated Plan-on-a-Page (PoaP 1) to provide a clearer view than in Round 1

- These documents constitute an illustration of how we propose the delivery is effected – activities, durations, sequencing, and indicative dates to set context
- Dates in this plan should not be seen as dates which are likely to be included in any baseline plan; there is little evidence yet, from Participants, to support such dates at this stage in the consultation process
- Our thinking is further evidenced by the RAID summary. This includes key assumptions we have made in outlining our delivery approach
- The RAID summary includes more detailed PoaPs for each phase, taken from the Microsoft Project Plan

2. We have also outlined, via an additional PoaP, a much more challenging timeline that we wish you to consider

- This (PoaP 2) represents a timeline which is somewhat later than the dates in the existing Transition Timetable, albeit much faster than our Round 2 plan
- PoaP 2 account of changes that have already been made to the Transition Timetable, in particular the delay to design completion and the consequent delay to M3 but seeks to minimise the impact of these delays on the overall timeline. This plan particularly assumes a shorter DBT time for SIT PPs and Central Systems and we will need to see an assessment of the costs and risks associated with this timeline to understand whether it is achievable
- Ofgem has asked us to include this plan to provide a genuinely challenging baseline against which any plan can be measured, objectively, through risk and cost assessments
- As for PoaP 1, we are also looking for evidence on achievability, costs and risks here.

3. We have provided a set of consultation questions for you answer

- There are fewer questions than were posed for Round 1; we wish to focus on the key topics
- We are asking about the 2 sets of dates represented by the 2 PoaPs, to attract responses that allow us to gauge levels of relative risk
- Questions are framed to solicit quantified / evidenced responses

4. It is expected that evidence will be provided, to support your responses

- Without clear, quantified and evidenced responses, those responses will have relatively less weight in influencing the outcome of the planning process
- Round 1 responses generally lacked such evidence, and we need to see such information in Round 2

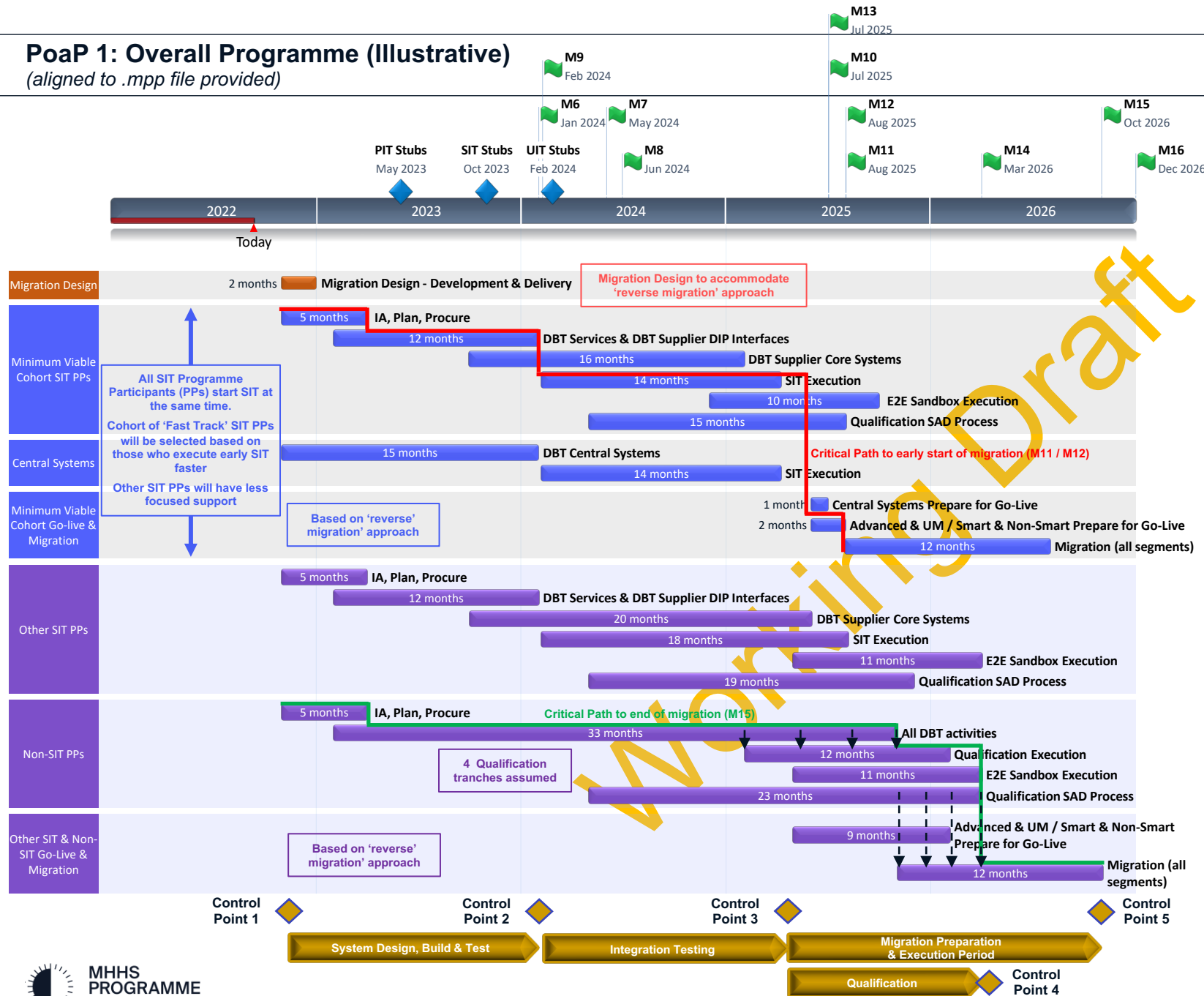
PoaP 1: Overall Programme (Illustrative)

(aligned to .mpp file provided)

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The plan review process is designed to arrive at a credible, robust, and achievable plan that sees MHHS implemented as early as possible and preferably no later than the date set out in the existing Transition Timetable, which all programme parties are currently required to operate in accordance with.

The programme looks forward to working with parties to challenge and identify opportunities to shorten the overall timelines in this plan in order to secure a swift introduction of MHHS and to allow the generation of the benefits that MHHS will bring, in particular for customers and in supporting broader activity to drive towards net zero.



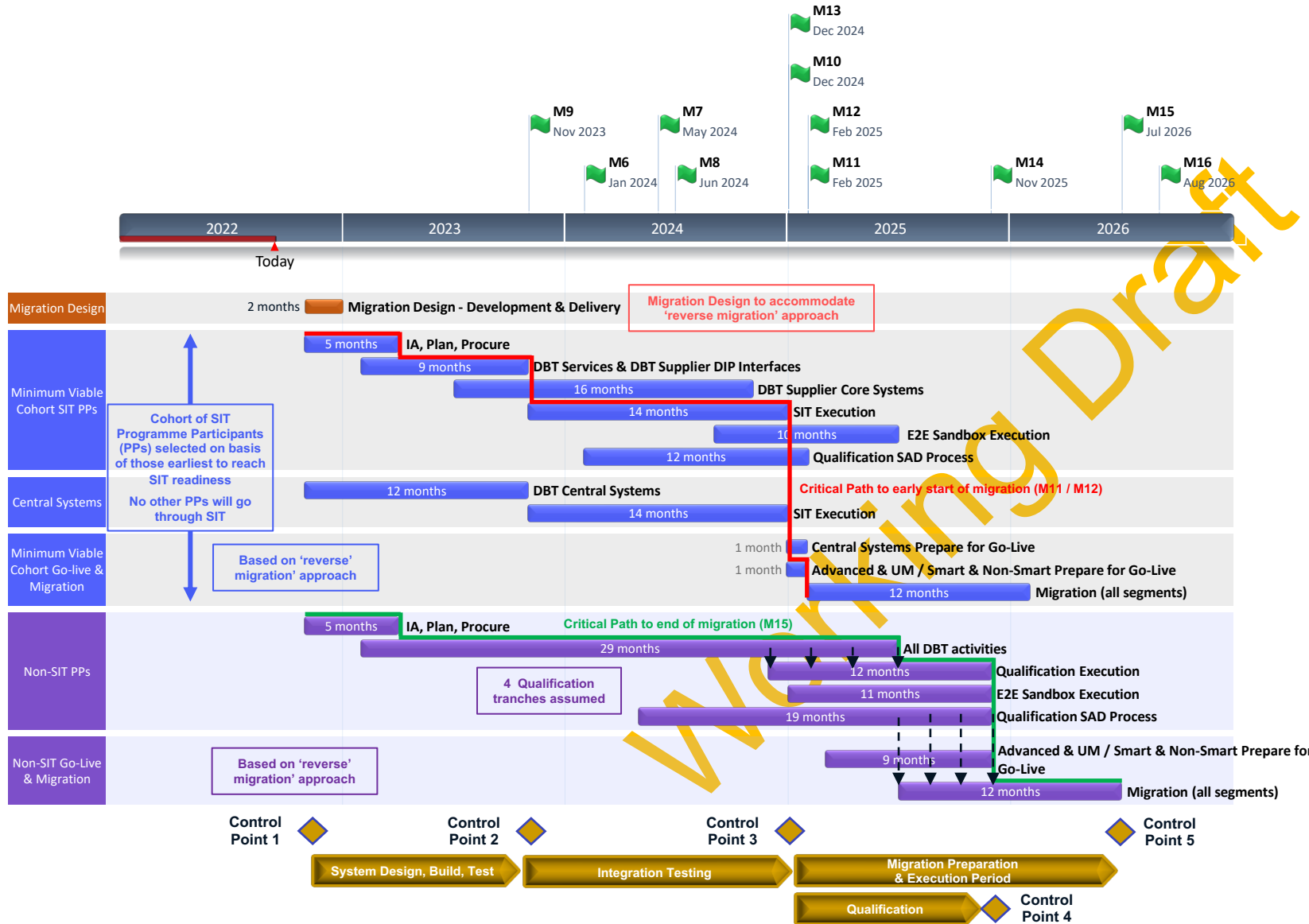
M #	MHHS Timetable (TT) date	Round 2 date	Delta from TT	
M5	Apr-22	Oct-22	+ 6 mths	Approved movement of M5 from MHHS Timetable (TT). Migration Design development (to accommodate reverse migration) is estimated as 2 months – assumed PPs' DBT not elongated as a result
M3	Various dates in the original TT.			
M6	Apr-22	Jan-24	+ 21 mths	Per CR003 / CR009 with additional assumptions in supporting RAID
M7	May-22	May-24	+ 24 mths	Per CR003 / CR009 with additional assumptions in supporting RAID
M8	Nov-22	Jun-24	+ 19 mths	Not yet changed since M5 was moved; PSG agreed that the new baseline date would be set via the re-plan. This is the earliest M8 date, and this is to be reviewed with CCAG who have asked for it to be later.
M9	Aug-23	Feb-24	+ 6 mths	SIT start dependent on Programme Participants' (PPs') left-to-right planning from M3 to complete DBT (Minimum Viable Cohort SIT PPs).
M10	Sep-24	Jul-25	+ 10 mths	Set to be as early as possible, following SIT completion. if Central Systems (plus Registration Services) are live on the new arrangements, this allows the programme to flex the date on which suppliers go live. To go live, a supplier and at least one of its agents needs to have completed SIT / Qualification (and any E2E Sandbox testing they require) and gone live with their new systems.
M11	Oct-24	Aug-25	+ 10 mths	Proposed that UM / Advanced go live together. Implementation of P432 and P434 will make the migration period for these segments much lower risk and potentially shorter since they will mean much of the data cleansing required before these MPANs can be migrated will already have been done prior to the start of the migration period.
M12	Nov-24	Aug-25	+ 10 mths	This segment (Smart / Non-Smart) can go live at the same time as UM / Advanced. A supplier will likely participate in at least Smart and Advanced (many do not have UM supplies) and therefore when it goes live with MHHS enhancements, these will cover both segments.
M13	Nov-24	Jul-25	+ 8 mths	LSS required for all segments. This needs to be switched on from Day 1 – can coincide with M10.
M14	Feb-25	Apr-26	+ 14 mths	Regulatory milestone: all suppliers must be ready with new arrangements in place, to migrate MPANs at this point. Otherwise, they will not be able to take on new customers.
M15	Oct-25	Oct-26	+ 12 mths	All market participants have migrated all their MPANs onto the new settlement arrangements. Set at 7 mths after M14 and 14 months after the first early adopter has gone live, in order to allow enough time for migration to take place. We are assuming that these periods are sufficient.
M16	Nov-25	Dec-26	+ 13 mths	The TT allowed minimal time between M15 and M16, but there will be checks to be made and preparation activities to be completed. Activity of retiring the old settlement systems is not included in the TT. We assume 4 mths after M15.

PoaP 2: 'Challenge' Timeline

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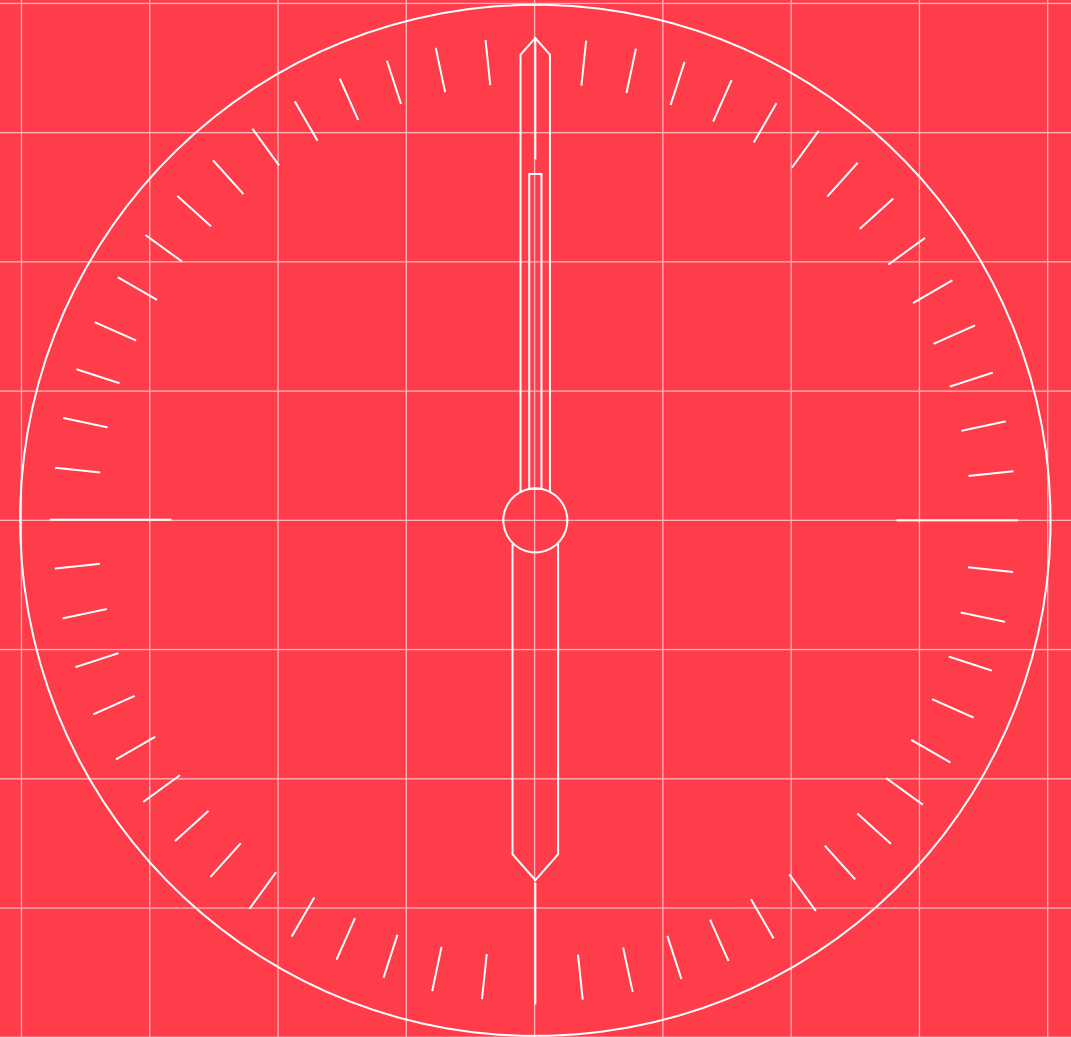
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M #	MHHS Timetable (TT) date	'Earliest' Date	Delta from TT	
M5	Apr-22	Oct-22	+ 6 mths	Approved movement of M5 from MHHS Timetable (TT). Migration Design development (to accommodate reverse migration) is estimated as 2 months – assumed PPs' DBT not elongated as a result
M3	Various dates in the original TT.			
M6	Apr-22	Jan-24	+ 21 mths	Per CR003 / CR009 with additional assumptions in supporting RAID
M7	May-22	May-24	+ 24 mths	Per CR003 / CR009 with additional assumptions in supporting RAID
M8	Nov-22	Jun-24	+ 19 mths	Not yet changed since M5 was moved; PSG agreed that the new baseline date would be set via the re-plan. This is the earliest M8 date, and this is to be reviewed with CCAG who have asked for it to be later.
M9	Aug-23	Nov-23	+ 3 mths	SIT start dependent on Programme Participants' (PPs') left-to-right planning from M3 to complete DBT (Minimum Viable Cohort SIT PPs). SIT start date puts pressure on MHSP SI readiness: SIT preparation, PIT / SIT test stub readiness and availability to PPs. Earlier SIT start assumes all central systems can be ready for Component Integration Testing (CIT) – and DCC is likely to enter SIT later than this date.
M10	Sep-24	Dec-24	+ 3 mths	Contingency period between SIT and Go-Live preparation removed.
M11	Oct-24	Feb-25	+ 4 mths	Same proposal as the 'Illustrative PoaP' - that UM / Advanced go live together
M12	Nov-24	Feb-25	+ 3 mths	Same assumption as the 'Illustrative PoaP' – that (Smart / Non-Smart) segment can go live at the same time as UM / Advanced.
M13	Nov-24	Dec-24	+ 1 mths	Same as for the 'Illustrative PoaP' – LSS required for all segments. This needs to be switched on from Day 1 – can coincide with M10.
M14	Feb-25	Nov-25	+ 9 mths	Contingency before M14 removed. It is assumed that the Qualification SAD process can be completed at the point Qualification ends. Regulatory milestone: all suppliers must be ready with new arrangements in place, to migrate MPANs at this point. Otherwise, they will not be able to take on new customers.
M15	Oct-25	Jul-26	+ 9 mths	All market participants have migrated all their MPANs onto the new settlement arrangements.
M16	Nov-25	Aug-26	+ 9 mths	The TT allowed minimal time between M15 and M16, but there will be checks to be made and preparation activities to be completed. This minimal time is reflected in this PoaP. Activity of retiring the old settlement systems is not included in the TT. We assume 4 mths after M15.

Planning RAID

Integration Testing



Integration Testing will include the following 2 core elements:

1. **Evidenced Pre-Integration Testing** which will prove specific functional, non-functional and migration-related characteristics of systems and processes of those participants undertaking SIT:
 - a) Central systems (Exelon, Electralink, DIP operator, DSP and CSS)
 - b) Suppliers' core systems and DIP Interfaces
 - c) Metering Services
 - d) Data Services
 - e) Registration, Network Operations and UMSO Services
(executed within a participant's own environment) – this will be a pre-requisite to enter SIT.
2. **Systems Integration Testing** of scenarios specified by the SI, demonstrating functional, non-functional and migration-related characteristics of the Market Interfaces and Services in an integrated environment (SIT).

Participants are...

- Expected to produce test artefacts (Test Approach and Plan, RTM, Scenarios and Scripts, PIT Test Completion Report and execution evidence, SIT Readiness Report)
- Required to demonstrate network connectivity prior to commencement of SIT
- Responsible for defining the detailed SIT test steps and recording the SIT execution results in the MHHS Test Management Tool (ADO)

MHHS SI will...

- Specify the scenarios for SIT (based on the MHHS Design)
- Provide PIT exit criteria
- Assure test readiness of SIT entrants
- Assure PIT and SIT results
- Ensure the availability of relevant test harnesses, test environments and appropriate data against which each PP can test in SIT

- Manage the SIT process and schedule
- Provide access to the MHHS Test Management tool (ADO)
- Provide overall defect and issue management for centrally-raised issues, including their triage

Associated Deliverables include...

- SIT Stage Approaches and Plans
- SIT Stage Test Data Approaches and Plans
- SIT Test Stage Completion Reports
- Defect Management Plan and Test Management Tool User Guide

PoaP – Integration Testing Phase

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ID	Task Mode	Task Name	Start	Finish	Responsible	Involved	Duration	Qtr 1, 2024			Qtr 2, 2024			Qtr 3, 2024			Qtr 4, 2024			Qtr 1, 2025			Qtr 2, 2025			Qtr 3, 2025
								Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
239		INTEGRATION TESTING																								
240		.SIT CI Testing Execution	Wed 07/02/24	Wed 10/04/24	SI Test	PP	46 days																			
242		.SIT Execution - Minimum Viable Cohort	Wed 07/02/24	Mon 07/04/25	SI Test	PP	304 days																			
246		.SIT Execution - Other PPs	Wed 07/02/24	Fri 02/05/25	SI Test	PP	323 days																			
248		.SIT Suppliers Core Systems DBT	Wed 07/02/24	Mon 02/06/25	PP	SI Test	344 days																			
251		.Non-SIT Suppliers DIP Interfaces DBT & Non-SIT Services DBT (Metering, Data, Registration, Network Operations, UMSO)	Fri 01/03/24	Mon 01/04/24	PP	SI Test	22 days																			
258		.Non-SIT Suppliers Core Systems DBT	Wed 07/02/24	Fri 31/01/25	PP	SI Test	258 days																			
260		.SI SIT Preparation	Thu 29/02/24	Fri 14/06/24	SI Test		77 days																			
265		.SI UIT Preparation	Thu 29/02/24	Fri 29/03/24	SI Test		22 days																			
268		.PP UIT Preparation	Fri 01/03/24	Fri 31/01/25	PP	SI Test	241 days																			
272		.PPs E2E Sandbox Execution	Mon 02/12/24	Fri 31/01/25	PP	SI Test	45 days																			
274		.PP Pre-Qualification Assurance	Mon 02/12/24	Fri 31/01/25	SI Test	PP	45 days																			
276		.PP Support of Pre-Qualification Assurance	Mon 02/12/24	Fri 31/01/25	PP	SI Test	45 days																			
278		.Qualification SAD Process	Wed 01/05/24	Fri 31/01/25	PP	SI Test	198 days																			
280		.DBT Progress Monitoring of PPs	Fri 01/03/24	Fri 31/01/25	SI Test	PPC	241 days																			
282		.DBT Progress Monitoring of Consequential Change	Fri 01/03/24	Fri 31/01/25	SI Test	PPC	241 days																			
287		.Design Assurance of PPs	Fri 01/03/24	Fri 31/01/25	SI Design	PPC	241 days																			
289		.Test Assurance of PPs	Fri 01/03/24	Fri 31/01/25	SI Test	PPC	241 days																			
292		.Migration Period Planning	Fri 01/03/24	Fri 31/01/25	SI Test	CPT	241 days																			
294		.Deliver MHHS Code Changes	Mon 22/01/24	Fri 28/06/24	Code Bodies		115 days																			
297		.Support PAB in Qualification Setup	Mon 02/12/24	Fri 31/01/25	SI Test	CPT	45 days																			
299		.Control Point 3 Preparation	Mon 18/11/24	Fri 17/01/25	CPT	PP	45 days																			
301		.Readiness Assessment 5 - Design & Build Checkpoint 2	Wed 08/05/24	Wed 07/08/24	PPC	PP	66 days																			
308		.Readiness Assessment 6 - Start of Qualification	Mon 14/10/24	Mon 13/01/25	PPC	PP	66 days																			
315		.Control Point 3 - Readiness for Migration	Mon 05/05/25	Mon 05/05/25	CPT	PMO	1 day																			

Planning Issues – Integration Testing Phase

RAG Statuses will change as the Consultation process proceeds

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Issue	Theme	Planned resolving activities	Current Impact
Systems Integration Testing is on the programme's critical path – and its duration is not yet validated	Duration of Testing	<ul style="list-style-type: none"> MHSP has been conducting quantitative assessment of MHHS design complexity / size compared with that of Faster Switching or any other suitable benchmarks, to help validate the estimated duration Some thinking in relation to making SIT delivery more efficient, and minimising its duration, is ongoing – including automation of process and overlapping some activities. 	High
DCC release (including SEC MP162) is required to deliver the functionality needed for MHHS and has been pushed back to June 2024 to allow for resolution to the issues raised in Ofgem's direction letter to DCC and Send Back letter to SECAS	External Dependency	<ul style="list-style-type: none"> Ofgem have released further direction to industry on SEC Mod MP162 Continue to liaise with SEC and DCC about SIT timings and implications Issue escalated to PSG and is being tracked through this route 	High

Planning Risks – Integration Testing Phase

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Risk	Theme	Planned mitigating activities	Potential Impact
There may not be enough volunteers to participate in Systems Integration Testing (SIT)	Resources	<ul style="list-style-type: none"> The plan needs to clarify all SIT requirements and activities The fact that qualification testing will not be required of SIT participants, needs to be formally confirmed Benefits of SIT need to be communicated to all Participants SIT should be set up in order that it may be executed with few Participants (where risk is manageable) Mandatory participation may need to be considered as a contingency Participant test stubs or proxies may also be considered as contingency plans Migration approach will influence appetite for Participants to volunteer for SIT 	High
<p>SIT participants may have to be dropped from SIT participation prior to Component Integration Testing commencement, if either:</p> <ul style="list-style-type: none"> they have not reached a sufficient point of progress in their independent DBT activities or they decide not to participate after all 	Resources	<ul style="list-style-type: none"> Identify likely SIT volunteers during re-plan process In the programme plan, clarify when Participants must decide about SIT participation SI assurance activities should provide adequate early warning of potential issues in Participant DBT progress There needs to be contingency in the list of expected SIT volunteers Timescales for Participant DBT (for SIT participants) need to be realistic Incentives or benefits for SIT participation need to be clear (as do disincentives – and how these might be removed) Identify criteria for mandatory SIT participation, should this be required 	Medium
Some participants may decide that adapters are required, and in such cases the plan may need to allow additional time to integrate any adapter services	Scope	<ul style="list-style-type: none"> Capture specific risks in the baseline plan and identify any potential contingency Participants to identify at the earliest opportunity, whether adapters are envisaged 	Medium

Planning Assumptions – Integration Testing Phase

RAG Statuses will change as the Consultation process proceeds

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Assumption	Theme	Commentary	Assumption Uncertainty
All Central Parties (those who will be providing core capabilities for MHHS) are mandatory participants in SIT – DIP, ECS, DSP, DTN, MPRS	Roles & Resources	<ul style="list-style-type: none"> This makes the SIT readiness of providers of these capabilities a critical path item for the plan 	Low
All other SIT participants are voluntary	Roles & Resources	<ul style="list-style-type: none"> Whilst this assumption is per the current Ofgem plan, it may need to be revisited depending on Participants' appetite to be a SIT party 	Medium
If Participants have completed SIT, they do not need to complete Qualification Testing	Scope	<ul style="list-style-type: none"> Participants are likely to expect written confirmation of this 	Low
Agents who are not already DCC users are expected to be required to complete SEC accession (and security) processes, obtain DCC connection and adapter services and complete DCC entry testing prior to SIT	Roles & Resources	<ul style="list-style-type: none"> New Smart data services to be directed to complete SEC accession prior to entry to SIT otherwise they will not be able to connect to DCC. 	Low
Participants will undertake their own data cleansing	Data		Low
Timing of delivery of test stubs / tools will not delay planned SIT activities	SI Testing Tools	<ul style="list-style-type: none"> Plan contains clear milestones for development and delivery to test stubs 	Low

The assumption is likely to change

The assumption may change

The assumption is unlikely to change

Planning Assumptions – Integration Testing Phase

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Assumption	Theme	Commentary	Assumption Uncertainty
The DIP Simulator will be integrated with ECS early in 2023	Data	<ul style="list-style-type: none"> This will provide a packaged testing service for Data Services 	Low
The DIP Simulator will be integrated with Registration Services during PPs' PIT (as early as possible)	Data	<ul style="list-style-type: none"> This will provide a packaged testing service for Data Services 	Medium
If an early Go-Live date is planned for Central Systems, then the date for PPs can be flexed closer to the time	Planning	<ul style="list-style-type: none"> This will allow the Programme and PPs to take advantage of any gains in time Date for PPs Go-Live will be agreed closer to the time 	Low
Central systems do not need much time following completion of SIT in order to prepare for Go-Live	Planning	<ul style="list-style-type: none"> Minimal preparation is needed following completion of SIT to Go-Live 	Medium
Early entry to E2E Sandbox and an early Go-Live for PPs who progress quickly through SIT ensures early adopters can go live quickly	Testing Duration	<ul style="list-style-type: none"> Early adopters will be able to go live quickly 	Low
Once SIT Component Testing (CIT) is complete, the Programme will monitor progress of PPs over first 3 months then re-arrange test pairings between agents and suppliers	Planning	<ul style="list-style-type: none"> Fastest will be paired with the fastest 	Low
There is a focus on the minimum required cohort (for SIT start) to improve likelihood that that cohort could start CIT early and continue into SIT early	Planning	<ul style="list-style-type: none"> There will be a review of DBT plans to assess likelihood that these PPs can become early adopters Minimum required cohort will include 1. Registration Service Provider, 2 Suppliers, 2 Advanced Agents, 2 UM Agents and the DTN. 	Medium
SIT entry will allowed to all PPs who wish to take part and are judged sufficiently ready to take part	Roles and Resources	<ul style="list-style-type: none"> A short "grace period" of 1 month will be allowed for those not ready on Day 1 to still enter and attempt to catch up 	Low
SIT is exited when one cohort completes the testing (not when all of them complete it)	Testing Duration	<ul style="list-style-type: none"> Those participants who do not finish first can carry on testing but this is considered "post-SIT" Once they have completed post-SIT testing, those participants will be able to prepare for Go-Live 	Low
There is a 1 month "grace period" to enter SIT for those PPs not ready at the speed of the fastest but still want to take part	Planning	<ul style="list-style-type: none"> The Programme wants to encourage as many participants as possible to partake in SIT 	Medium

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Assumption	Theme	Commentary	Assumption Uncertainty
SIT Migration can be executed once SIT Functional is smoothly underway and does not have to be executed on a separate system	Planning	<ul style="list-style-type: none"> Data segregation could be used on a single environment PPs do not need to wait to complete SIT Functional Once SIT is deemed to be underway in a stable way, so as not to risk the integrity of the system or testing, SIT Migration can commence 	Medium
Since Migration testing does not start immediately in SIT, migration functionality will be allowed to enter SIT after it has commenced	Release Management	<ul style="list-style-type: none"> Entry of migration functionality into the SIT environment will be done in a controlled and planned way, dictated by the Environments Plan and Approach A release take place after the start of SIT Functional and before SIT Migration starts 	Medium
A clear schedule for SIT CI will be developed and communicated to PPs to ensure awareness of dates to be met	Planning	<ul style="list-style-type: none"> A plan will be developed and communicated across the Programme to ensure PPs are aware of timelines 	Low

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Planning Dependencies – Integration Testing Phase

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Dependency	Theme	Impacting Milestone or Activity	Impacted Milestone or Activity	Manageable?
A CR to update the CSS is needed (to enable CSS to receive and send on, to the DSP, registration details for the new SDS Provider) – and for it to be processed sufficiently in advance of SIT (REC CP R0044)	External dependency		System Integration Testing Start – M9	Yes
SEC MP162 - SEC changes required to deliver MHHS	External dependency	MP162 delivered (DCC)	Central systems ready for migrating MPANs - M10	Not yet
Establishment and configuration of MDR role to allow suitable access to smart meters (MP162 and REC CP R0044-dependent) needs to be in place at the appropriate point in Component Integration Testing in SIT	External dependency	MP162 delivered (DCC)	System Integration Testing Start – M9	Not yet
Data cut for SIT is dependent on the implementation of Supplier Meter Registration Service (SMRS) system changes relating to CP1558 - 'New Registration data items to facilitate MHHS'.	External dependency			In process
Participant provision of adequate data cuts is required in advance of the start of related testing	Data			Yes
The Programme and all data providers must complete and / or participate in DPIAs before data cuts can be extracted from their systems and shared	Data			Yes
Participants are dependent on the programme to provide required information to make their decision on SIT participation	Roles & Resources			Yes

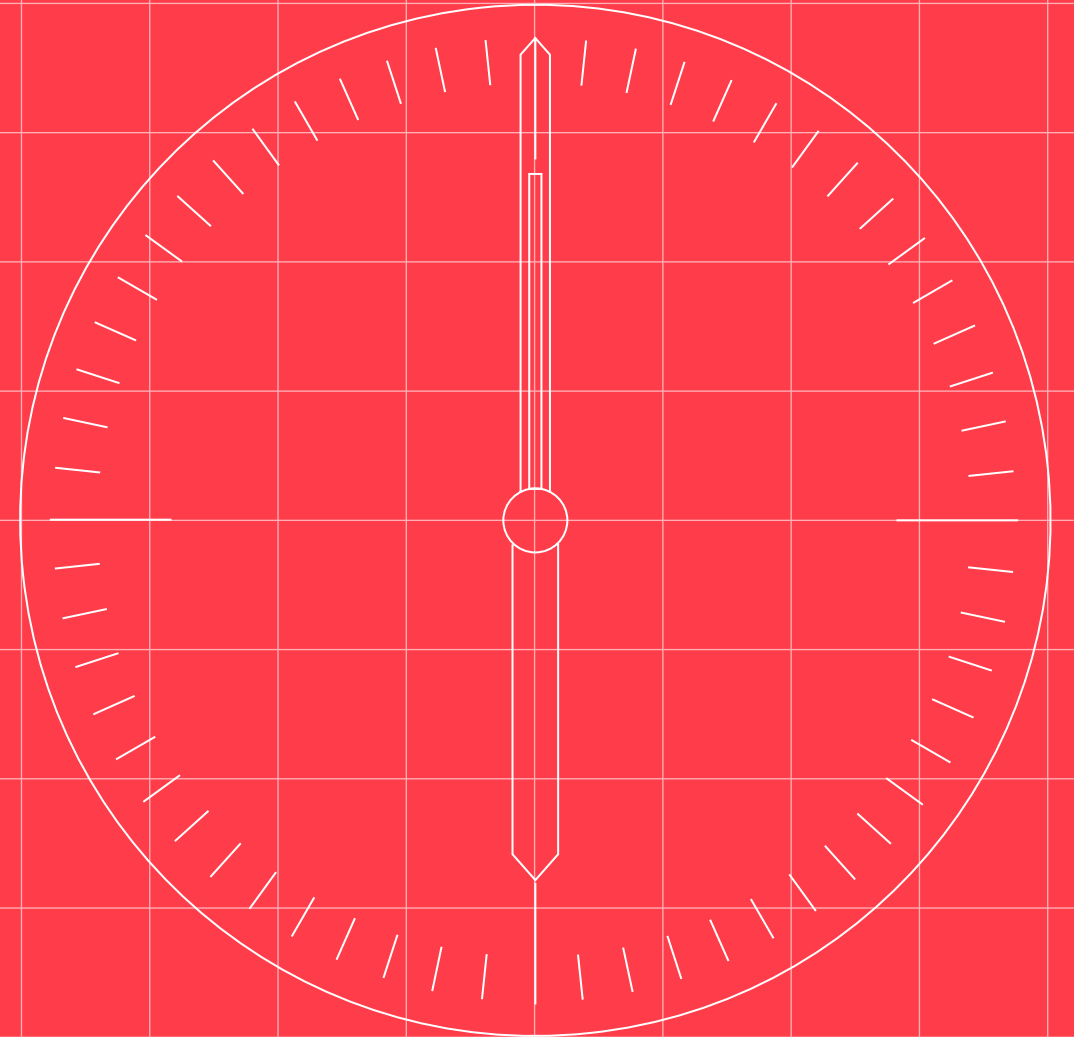
There is no clear plan to manage dependency yet

There is an outline plan to manage dependency

There is a clear plan to manage dependency

Planning RAID

Qualification



Qualification Phase

Qualification will include the following 3 core elements:

1. **Procedural & Governance** – participants are expected to adhere to the processes and procedures of the code bodies governing qualification.
2. **Evidenced DBT1 Pre-Integration Testing to enter Qualification** which will prove specific functional, non-functional and migration-related characteristics of systems and processes (it is expected that SIT participants will have fulfilled this step during SIT):
 - a) Suppliers' core systems and DIP Interfaces
 - b) Metering Services
 - c) Data Services
 - d) Registration, Network Operations and UMSO Services(executed within a participant's own environment) – this will be a pre-requisite to enter both SIT and Qualification Testing.
Evidence of DBT2 testing in order to exit Qualification
3. **Qualification Testing** of scenarios specified by the SI, demonstrating functional, non-functional and migration-related characteristics of the Market Interfaces and Services in an integrated environment (UIT). It is expected that SIT participants will have fulfilled this step during SIT.

Participants are...

- Responsible for ensuring their successful completion of Qualification
- Required to demonstrate successful PIT completion and network connectivity prior to commencement of Qualification Testing
- Responsible for defining the detailed test steps and recording the test execution results in the MHHS Test Management Tool (ADO)

MHHS SI will...

- Specify the scenarios for Qualification Testing (based on the MHHS Design)
- Ensure the availability of relevant test harnesses, test environments and appropriate data against which each PP can test
- Provide access to the MHHS Test Management tool (ADO)
- Provide overall defect and issue management for centrally-raised issues, including their triage

Code Bodies will...

- Manage and execute the Qualification testing process and schedule
- Assure test readiness of Qualification Test entrants
- Assure participant Qualification Test results

Associated MHHS SI Deliverables include...

- Pre-Qualification Guidance (Nov 22)
- Qualification Approach and Plan (Feb 23)
- Qualification Test Data Approach and Plan

PoaP – Qualification Test Phase

ID	Task Mode	Task Name	Start	Finish	Responsible	Involved	Duration	Qtr 1, 2024			Qtr 2, 2024			Qtr 3, 2024			Qtr 4, 2024			Qtr 1, 2025			Qtr 2, 2025			Qtr 3, 2025			Qtr 4, 2025			Qtr 1, 2026			Qtr 2, 2026			
								Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
316		QUALIFICATION TESTING																																				
317		.Qualification Execution (likely to be trached)	Mon 03/02/25	Mon 02/02/26	PP	PAB	261 days																															
319		.Qualification SAD Process	Mon 03/02/25	Tue 31/03/26	PP	PAB	302 days																															
323		.Non-SIT Suppliers DIP Interfaces DBT & Non-SIT Services DBT (Metering, Data, Registration, Network Operations, UMSO)	Mon 03/02/25	Thu 31/07/25	PP		129 days																															
325		.Non-SIT Suppliers Core Systems DBT	Mon 03/02/25	Fri 31/10/25	PP	PP	195 days																															
327		.SIT Operational Testing Execution	Mon 03/02/25	Thu 10/04/25	SI Test	PP	49 days																															
329		.SIT Follow-On Execution - Other PPs	Mon 05/05/25	Wed 06/08/25	SI Test	PP	68 days																															
331		.PPs E2E Sandbox Execution	Mon 03/02/25	Thu 31/07/25	PP	SI Test	129 days																															
334		.Central Systems Prepare for Cutover to Live	Mon 02/06/25	Mon 30/06/25	PP	SI	21 days																															
336		.Advanced & UM Prepare for Cutover to Live	Mon 02/06/25	Thu 31/07/25	PP	SI	44 days																															
338		.Smart/Non-Smart Prepare for Cutover to Live	Mon 02/06/25	Thu 31/07/25	PP	SI	44 days																															
340		.PP business change	Mon 03/02/25	Thu 31/07/25	PP	PPC	129 days?																															
346		.Support for PP business change	Mon 03/02/25	Thu 31/07/25	PPC	PP	129 days																															
348		.Migration Period Planning	Mon 03/02/25	Thu 31/07/25	SI	PPC	129 days																															
350		. PP Readiness Assessment 7 - Start of Migration	Wed 16/04/25	Wed 16/07/25	PPC	PP	66 days																															
357		.Control Point 4 Preparation	Mon 02/06/25	Fri 18/07/25	CPT	PP	35 days																															
359		Implementation of SLC47	Mon 01/01/24	Wed 31/01/24	CPT	PP	23 days																															
361		Completion of activities related to BSC CP1558	Mon 02/06/25	Wed 02/07/25	CPT	PP	23 days																															
363		Completion of activities related to BSC Mod P432	Mon 02/06/25	Mon 30/06/25	CPT	PP	21 days																															
365		Completion of activities related to BSC Mod P434	Mon 02/06/25	Mon 30/06/25	CPT	PP	21 days																															
367		.MILESTONE M10 - Central systems ready for migrating MPANs	Tue 01/07/25	Tue 01/07/25	CPT	CPT	1 day																															
368		.MILESTONE M11 - Start of 1 year migration for UMS / Advanced	Fri 01/08/25	Fri 01/08/25	CPT	CPT	1 day																															
369		.MILESTONE M12 - Start of 1 year migration for Smart / Non-smart	Fri 01/08/25	Fri 01/08/25	CPT	CPT	1 day																															
370		.MILESTONE M13 - Load Shaping Service switched on	Tue 01/07/25	Tue 01/07/25	CPT	CPT	1 day																															
371		.Control Point 4 - End of Qualification	Tue 31/03/26	Tue 31/03/26	CPT	CPT	0 days																															

Planning Issues – Qualification Phase

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Issue	Theme	Planned resolving activities	Current Impact
Roles and responsibilities for management of Qualification Testing are not yet fully agreed	Roles & Resources	<ul style="list-style-type: none"> Programme is discussing this with code bodies to agree roles and responsibilities 	Medium

Planning Risks – Qualification Phase

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Risk	Theme	Planned mitigating activities	Potential Impact
The scope of Qualification is not yet clear. If Participants must conduct full testing (rather than a re-qualification), this may impact the required overall duration currently in the plan (12 months) and cause the window to need to be longer	Scope of testing	<ul style="list-style-type: none"> Programme is discussing this with code bodies to agree scope 	Medium
The time taken for each Participant to go through Qualification Testing may be a significant proportion of the overall window allowed – meaning that Elexon BSC, RECCo or SECAS may not have the capacity to manage the volume of Participants going through testing at any one time	Duration of testing	<ul style="list-style-type: none"> Dependent on scope clarification Programme is discussing this with code bodies to agree roles and responsibilities 	High

Planning Assumptions – Qualification Testing Phase

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Assumption	Theme	Commentary	Assumption Uncertainty
All Qualification can be carried out within the 12-month window currently outlined in the Ofgem Transition Timetable and reflected in the plan	Roles & Resources	<ul style="list-style-type: none"> All Participants are ready on time to start Qualification Testing Clarify scope of testing Identify maximum volume of Participants that may go through Qualification Testing based on available capacity of the Elexon BSC, RECCo and SECAS teams Look at alternative or hybrid options – e.g. MHHSP taking some responsibility for Qualification Testing management (but not accountability) 	High
Elexon BSC team will manage and execute Qualification and has the capability and capacity to do so	Roles & Resources	<ul style="list-style-type: none"> As above 	High
Tranching will be required in Qualification	Testing Approach	<p>Tranching options / criteria being discussed:</p> <ul style="list-style-type: none"> As parties are ready, allocating them into tranches By portfolio: Smart, Non-Smart, Advanced, Unmetered By supplier size / constituency group <p>Considerations for tranching:</p> <ul style="list-style-type: none"> Fair mechanism Approach on Faster Switching (which worked well) Risk that Suppliers require maximum amount of time to complete their DBT and subsequently qualify, resulting in backlog in final tranche Participant pairing (e.g. Suppliers and agents) - is the successful test execution of a unique combination of supplier and agent considered representative of suppliers with the same combination? 	Medium
If Participants have completed SIT, they do not need to complete Qualification	Scope	<ul style="list-style-type: none"> Participants are likely to expect written confirmation of this 	Low
Go-live preparation activities can be conducted in parallel to Qualification (for Participants in later tranches)	Readiness for Go-Live	<ul style="list-style-type: none"> If this assumption is not reliable, the overall programme timeline could be negatively impacted 	Medium

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The assumption may change

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Planning Dependencies – Qualification Phase

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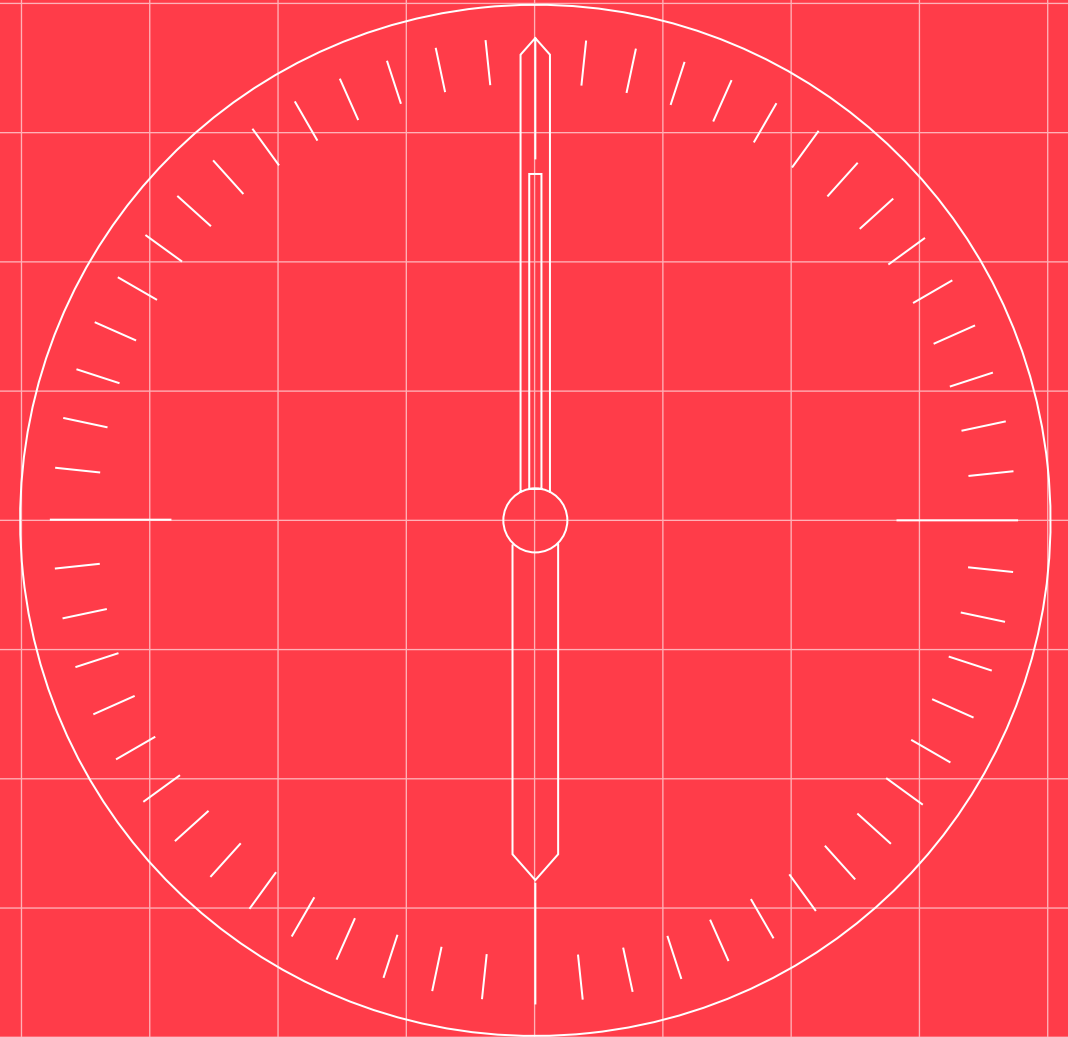
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Dependency	Theme	Impacting Milestone or Activity	Impacted Milestone or Activity	Manageable?
Quality of Programme reporting on Qualification progress is dependent on information provided by the PAB	External dependency			Yes
A Test Approach and Plan document is required for each test stage to define the test stage-specific data cut requirements for Participants, if any	Data			Yes
Participant provision of adequate data cuts is required in advance of the start of related testing	Data			Yes
The Programme and all data providers must complete and / or participate in DPIAs before data cuts can be extracted from their systems and shared	Data			Yes

Planning RAID

Migration



Migration Workstream

The **Migration workstream** is centred around the development of a migration strategy that enables the seamless migration of all programme participants from current arrangements to new MHHS arrangements, collaborating with programme parties and associated stakeholders on migration planning and execution.

Migration will include the following 3 core elements:

- 1. Migration Approach:** Defining a migration approach to enable seamless migration to new arrangements
- 2. Migration Plan & Preparation Activities:** Developing a detailed migration plan in accordance with the defined approach and completing preparatory activities
- 3. Migration Implementation & Execution:** Executing migration activities in line with the approach deemed most effective

The programme is currently focused on core elements of the Migration Approach and Plan. Based on analysis to date, it is anticipated that the **reverse migration option** would be best the most viable option balancing assessment criteria of consumer choice, market competition, delivery time and cost, and solution complexity.

The reverse migration (or revolving door) option would allow programme participants to start the migration of their MPANs to new MHHS arrangements earlier than M14 (i.e., early adoption), with an MPAN able to move back to current arrangements once it has been switched over to new MHHS arrangements.

Participants are...

- Responsible for executing impact assessments to determine the DBT requirements for the selected migration option and implementing any associated systems and process change
- Accountable for highlighting any factors that may delay or impede the progression of the defined migration approach
- Required to be ready to migrate by or before M14

MHHS SI will...

- Present migration option analysis to Ofgem for their review and approval on selected option
- Build out a strategy and detailed plan that structures and sequences key migration activities
- Manage, track and report on the execution of migration activities to participants and stakeholders
- Validate that migration has been successful as per aligned upon Programme migration performance measures and indicators

Associated MHHS Deliverables include...

- Option Analysis & Final Recommendation
- Migration Cutover and Data Strategy
- Migration Implementation Plan

PoaP – Migration Phase

ID	Task Mode	Task Name	Start	Finish	Responsible	Involved	Duration	Qtr 2, 2025			Qtr 3, 2025			Qtr 4, 2025			Qtr 1, 2026			Qtr 2, 2026			Qtr 3, 2026			Qtr 4, 2026			Qtr 1, 2027	
								Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
372		MIGRATION PERIOD																												
373		.PPs E2E Sandbox Testing Execution	Fri 01/08/25	Tue 31/03/26	PP	SI Test	173 days																							
376		.Advanced & UM / Smart & Non-Smart Prepare for Go-Live	Wed 30/04/25	Mon 02/02/26	PP	SI	199 days																							
378		.Migration of Advanced Segment	Fri 01/08/25	Fri 30/10/26	SI Test	PPC	326 days																							
381		.Migration of Unmetered Segment	Fri 01/08/25	Fri 30/10/26	SI Test	PPC	326 days																							
384		.Migration of Smart Segment	Fri 01/08/25	Fri 30/10/26	SI Test	PPC	326 days																							
387		.Migration Management	Fri 01/08/25	Fri 30/10/26	SI Test	PPC	326 days																							
389		.Business Case Update	Wed 01/10/25	Fri 30/10/26	PMO	CPT	283 days																							
391		.Supplier business readiness period - support	Wed 01/10/25	Fri 30/10/26	PPC	PP	283 days																							
393		.PP Readiness Assessment 8 - Ready to Accept New MPANs	Mon 18/08/25	Mon 17/11/25	PPC	PP	66 days																							
400		.PP Readiness Assessment 9 - Migration Checkpoint	Fri 01/05/26	Fri 31/07/26	PPC	PP	66 days																							
407		.MILESTONE M14 - All suppliers must be able to access MPANs under the new TOM	Tue 31/03/26	Tue 31/03/26	CPT	CPT	1 day																							
408		.MILESTONE M15 - Full transition complete	Fri 30/10/26	Fri 30/10/26	CPT	CPT	0 days																							
409		EARLY LIVE RUNNING																												
410		.Control Point 5 Preparation	Mon 16/11/26	Mon 14/12/26	CPT	PP	21 days																							
412		.PP Readiness Assessment 10 - Ready for New Settlement Timetable	Mon 14/09/26	Mon 14/12/26	PPC	PP	66 days																							
419		.MILESTONE M16 - Cut over to new settlement timetable	Thu 31/12/26	Thu 31/12/26	CPT	CPT	0 days																							
420		.Control Point 5 - cut over to new settlement timetable	Mon 14/12/26	Mon 14/12/26	CPT	CPT	0 days																							

Planning Issues – Migration Phase

RAG Statuses will change as the Consultation process proceeds

This draft is a working plan based on information available to MHSP at the time of drafting. It has not been approved by Ofgem. It is an imperative to challenge and validate all assumptions in the draft with the aim of securing the earliest possible robust implementation date.

The plan review process is designed to arrive at a credible, robust, and achievable plan that sees MHHS implemented as early as possible and preferably no later than the date set out in the existing Transition Timetable, which all programme parties are currently required to operate in accordance with.

The programme looks forward to working with parties to challenge and identify opportunities to shorten the overall timelines in this plan in order to secure a swift introduction of MHHS and to allow the generation of the benefits that MHHS will bring, in particular for customers and in supporting broader activity to drive towards net zero.

Issue	Category	Planned resolving activities	Current Impact
Migration / Go-live approach informed by CCDG (and the TOM) is not currently workable without clarification	Design	<ul style="list-style-type: none"> MHHSP progressing migration options with Ofgem and the Migration Working Group. The intention is to conclude on the migration option mid-October so that there is certainty on the preferred option before the Programme Plan is submitted into a Change Request to amend Programme Milestones. 	High

Planning Risks – Migration Phase

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Risk	Category	Planned mitigating activities	Potential Impact
Given that the Migration / Go-live approach informed by CCDG (and the TOM) may not be workable without clarification, the existing planning assumptions for the programme plan may become invalid – which could affect multiple elements of the plan	Migration Approach	<ul style="list-style-type: none"> MHHSP progressing this as one of the two highest priority Programme Issues as per the slide above. 	High
Certain outcomes of the discussion to confirm the Migration / Go-Live approach might mean that there is no incentive for Participants to reach migration readiness at the earliest opportunity	Migration Approach	<ul style="list-style-type: none"> Market competition and the incentives to migrate early are key evaluation criteria for the migration options Planned mitigation is to follow an approach which allows for reverse migration 	Medium
Certain outcomes of the discussion to confirm the Migration / Go-Live approach might mean that there may be some constraint of consumer choice until milestone M14 is reached	Migration Approach	<ul style="list-style-type: none"> Consumer choice is a key evaluation criterion for the migration options Planned mitigation is to follow an approach which allows for reverse migration 	Medium
The migration approach may not provide the right incentives for Programme Participants to volunteer for SIT, resulting in a fundamental re-think to SIT and replan	Migration Approach	<ul style="list-style-type: none"> Evaluation to consider the overarching risk on the SIT approach. 	Medium
There may not be sufficient time for later qualified Participants to complete their migration activities between M14 and M15	Migration Approach	<ul style="list-style-type: none"> Consultation responses required from Participants on the required length of migration activities with evidence 	Medium

There is no plan (or there is an immature plan) to manage impact

There is a plan to manage impact but with some uncertainty of outcome

There is a plan to manage impact and outcomes are predictable

Planning Assumptions – Migration Phase

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Assumption	Category	Commentary	Assumption Uncertainty
The currently-proposed programme plan assumes that there will be 'reverse migration' (allowing consumers to move from HH to non-HH arrangements) between the start of migration and M14 and that there are associated design build and test activities for Programme Participants. This will require a change to the TOM as part of the Change Request to be raised on the replan.	Migration Approach	<ul style="list-style-type: none"> See 'Risks' and 'Issues'. 	High

Planning Dependencies – Migration Phase

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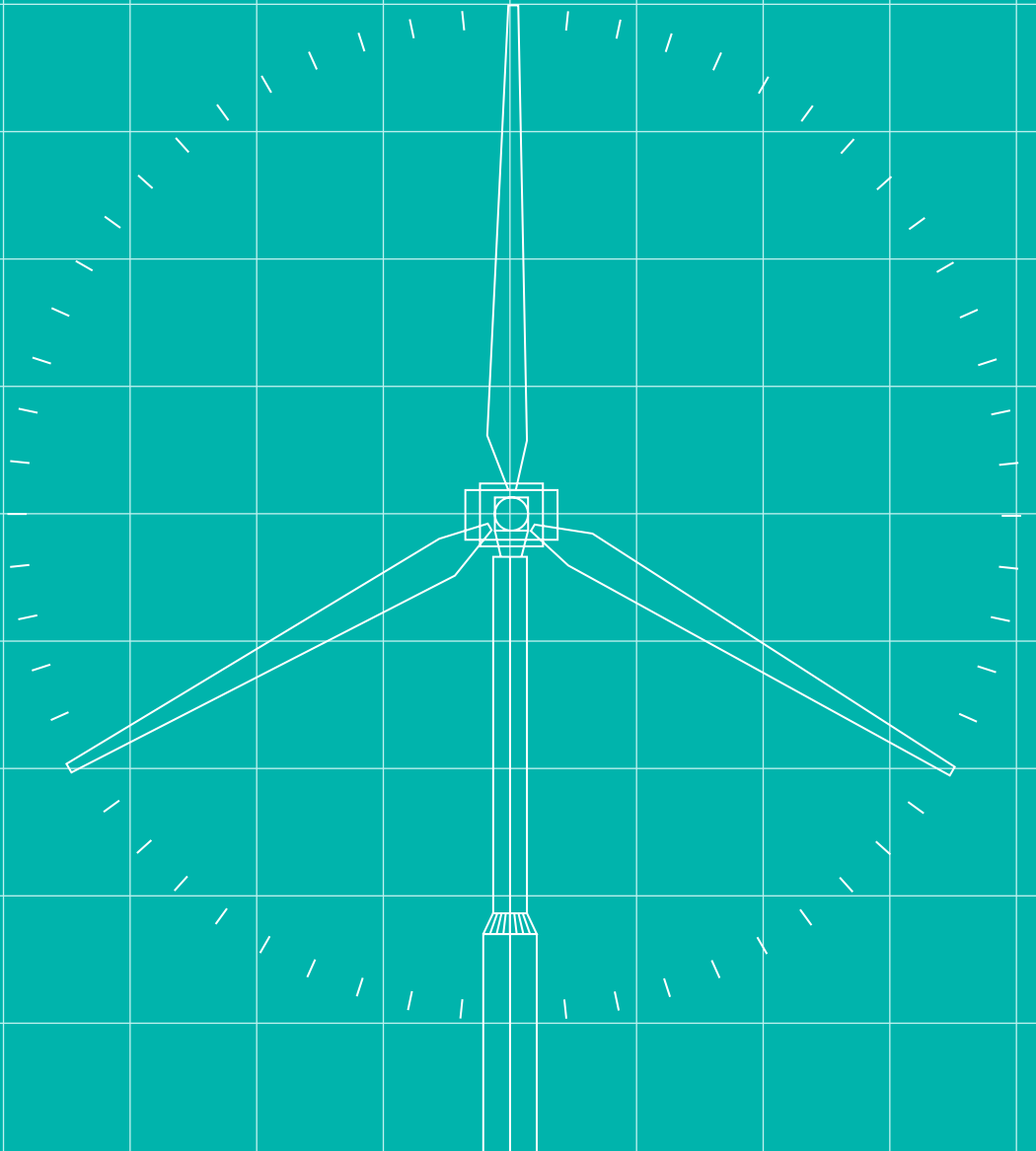
Dependency	Category	Impacting Milestone or Activity	Impacted Milestone or Activity	Manageable?
The completion of migration is dependent on the execution of migration by Programme Participants using the process defined and in the time set aside in the plan.	Migration Approach		M15	Yes –SI management of migration

Working group updates

INFORMATION: Provide updates from discussion at the DWG, MWG, QWG and EWG

Programme (working group leads as required)

20 mins



TMAG Working Group Progress Report – September 2022

	Data Working Group (DWG)	Migration Working Group (MWG)	Environments and Configuration Management Working Group (EWG)	Qualification and E2E Sandbox Working Group (QWG)
Upcoming deliverables	<ul style="list-style-type: none"> Overall Test Data Approach and Plan (planned 31 Jan 2023) 	<ul style="list-style-type: none"> Migration options for decision on a recommendation (October TMAG) Migration, Cutover and Data Strategy (planned 31 Jan 2023) 	<ul style="list-style-type: none"> Environments Approach and Plan (planned 31 Oct 2022, to come to November TMAG) 	<ul style="list-style-type: none"> Qualification Test Approach and Plan (planned 28 Feb 2023)
Next month's agenda items	06 October 2022 1. Planning for Data Cuts and associated activities	13 October 2022 1. Migration and the replan 2. Principles of the Migration, Data and Cutover Strategy	04 October 2022 1. Update on Programme Participant Environment manager nominees 2. Outline of Environment Approach & Plan document	11 October 2022 1. SIT equivalence 2. Qualification Test execution
Summary of discussion from last month	01 September 2022 <ul style="list-style-type: none"> Meeting cancelled due to hiatus in work while waiting for Tranche 4 of the design. 	01 & 08 September 2022 <ul style="list-style-type: none"> The group further discussed the migration options, and a POAP was presented as an overview of upcoming activities. The design team ran through the open design questions within the migration options. 	06 September 2022 <ul style="list-style-type: none"> The group discussed the environment approach and plan. The group discussed the level of monitoring of environments The Programme informed the group it was expected there would be 4 separate MHHS test environments. 	13 September 2022 <ul style="list-style-type: none"> The group discuss existing qualification thinking, Pre-Integration Testing, and qualification testing.
TMAG escalations	None	None	None	None

Summary and next steps

INFORMATION: Summarise actions and look ahead to October TMAG

Chair and Secretariat

5 mins

Next Steps

Next steps:

1. Confirm Actions from meeting
2. Date of next TMAG: 19 October 2022

TMAG Agenda Roadmap – a rolling view of upcoming TMAG agenda items:

Meeting dates	22-Sep	19-Oct	16-Nov	Dec (date TBC)
Relevant milestones or activities		Readiness Assessment 2	M5, M3	Replan rebaseline
Agenda items	<ul style="list-style-type: none"> • Programme replan • Progress at working groups including test tools principles/desigg, environment plan, qualification/pre-qualification principles and migration 	<ul style="list-style-type: none"> • Migration options • Programme re-plan review • SIT participants 	<ul style="list-style-type: none"> • SIT participants • Qualification/pre-qualification • Environment plan approval • Test Data Approach and Plan approval 	<ul style="list-style-type: none"> • Programme re-plan • Migration, Cutover & Data Strategy update • Qualification update • Review E2E Testing & Integration Strategy
Standing items	<ul style="list-style-type: none"> • Minutes and actions review • Programme updates • Next steps and agenda roadmap 	<ul style="list-style-type: none"> • Minutes and actions review • Programme updates • Next steps and agenda roadmap 	<ul style="list-style-type: none"> • Minutes and actions review • Programme updates • Next steps and agenda roadmap 	<ul style="list-style-type: none"> • Minutes and actions review • Programme updates • Next steps and agenda roadmap

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