# MHHS PROGRAMME

# Programme Steering Group #25.1
# 30 October 2023

# Agenda

| # | Item | Objective | Type | Lead | Time | Page |
|---|------|-----------|------|------|------|------|
| 1 | **Welcome** | | - | Chair & Secretariat | 14:00-14:05 *5 mins* | 1, 2 |
| 2 | **M9 Decision Process and Checklist** | Overview of decisions and high-level criteria in lead-up to M9 decision | Information | Programme (Keith Clark) | 14:05-14:10 *5 mins* | 4, 5 |
| 3 | **Participant Readiness** | Updates on participant readiness, including:<br>• SIT MVC Status<br>• SIT Stage Statuses<br>• PIT Progress and Outlook<br>• Participant Readiness and Outlook<br>• FTIG Summary and Recommendation<br>• Tier 2/3 Milestone Status for M9<br>• Programme Assurance Findings<br>• Participant Readiness Assessment 3 | Information | Programme (Lee Cox, Adrian Page, Keith Clark, Francesca Drew) | 14:10-14:25 *15 mins* | 6-18 |
| 4 | **Programme Readiness** | Updates on Programme readiness, including:<br>• Programme update on Control Point 2<br>• IPA view on Control Point 2<br>SRO decision on Control Point 2 approval | Decision | Programme (Keith Clark), IPA (Richard Shilton) & Chair | 14:25-14:35 *10 mins* | 19-22 |
| 5 | **IPA Report** | View from the IPA on M9 commencement | Information | IPA (Richard Shilton) | 14:35-14:45 *10 mins* | 23-27 |
| 6 | **Ofgem View** | Verbal update from Ofgem on M9 commencement | Information | Ofgem (Melissa Giordano) | 14:45-14:50 *5 mins* | 28 |
| 7 | **M9 Decision** | SRO decision on M9 approval | Decision | Chair | 14:50-14:55 *5 mins* | 29-30 |
| 8 | **Summary and Next Steps** | Summarise decisions and look ahead to next meeting | Information | Chair & Secretariat | 14:55-15:00 *5 mins* | 31,32 |

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# M9 Decision Process and Choreography

**INFORMATION**: Overview of decisions and high-level criteria in lead up to M9 decision

Programme (Keith Clark)

*5 mins*

Document Classification: Public
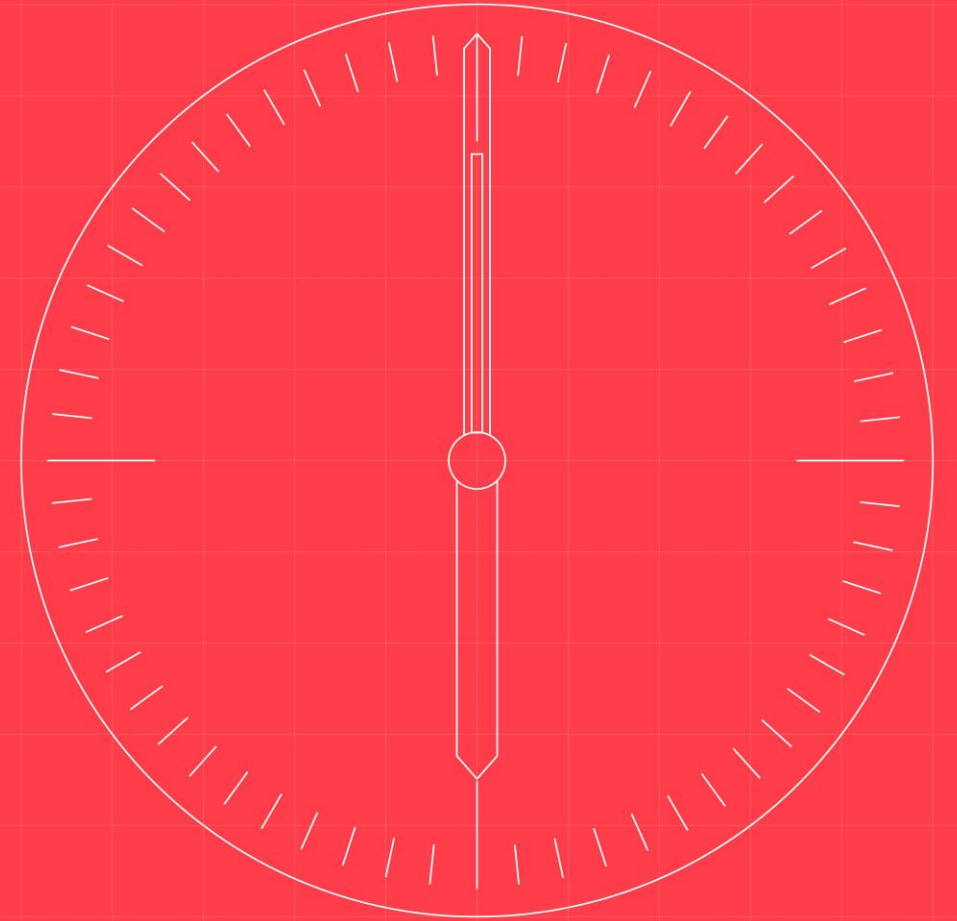
# Overview of M9 Decision Choreography and High-Level Criteria (as of 30-Oct-23)

**T1-TE-1000**
System Integration
Testing Start (M9)

**Tier 1 Milestones**

**(PSG-governed)**

30/10

| To approve T1-TE-1000 |
|---|
| Control Point 2 approved |
| Readiness Assessment 3 acceptable |
| IPA report supportive |
| FTIG recommendation |
| TMAG T2-TE-0250 and T3-TE-0060 decisions reviewed |

**T2-TE-0250**
SIT Component
Integration Testing
Interval 1 Preparation
Complete

**Tier 2 Milestones
in the SIT CIT path**

**(TMAG-governed)**

21/8 ✓

23/10 ✓

**Based on FTIG
recommendation**

**T2-TE-0200**

Data cut from relevant
participants' production
systems completed

**TMAG approved
T2-TE-0250
based on an
FTIG-endorsed
work-off plan to
be completed
before 30-Oct-23**

| To approve T2-TE-0250 | |
|---|---|
| **SI** | **PPs** |
| Designs assured | Environments in place |
| Delivery plans assured | Test data in place |
| PPs' PIT assured (IR2) | PKI certificates in place |
| Test tools in place / primed | Defect management understood |
| FTIG recommendation | |
| Resources in place and trained on ways of working | |
| Readiness forecast for CIT Intervals 2 to 6 starts is satisfactory | |
| Readiness forecast for SIT Functional start is satisfactory | |

**T3-TE-0019**
SIT Participants' SIT A
environments ready to
start connectivity
proving (CIT Interval 1)

**Tier 3 Milestones
in the SIT CIT path
(TMAG-governed)** ✓

11/8 ✓

16/8 ✓

01/9 ✓

30/10 ✓

**SIT CIT
Intervals 2 - 6**

**T3-DB-0035**

DIP Simulator uplifted to
align with Interim Release 2

**T3-TE-0017**

Production data cut
GONG decision

**Based on FTIG
recommendation**

**T3-TE-0069**

SIT Component
Integration Testing
Test Cases approved

**T3-TE-0060**

Component
Integration Testing
Interval 1 Start

| To approve T3-TE-0060 |
|---|
| T2-TE-0250 approved by TMAG (fully or conditional on work-offs before T3-TE-0060) |
| Any work-off items from T2-TE-0250 complete and TE-TE-0060 fully approved or T3-TE-0060 approved based on agreed work-off plan |
| Decision to start CIT Interval 1 is contingent on PSG M9 approval |

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Document Classification: Public

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# M9 Decision Checklist (as of 30-Oct-23)

Are parties ready to commence SIT?

Can the programme demonstrate its readiness to proceed?

Are PSG and Ofgem comfortable it is right to approve M9 and for SIT to commence?

| Decision Checklist Items | | Slide | RAG | Commentary (as of 30-Oct-23) |
|---|---|---|---|---|
| **Readiness of all SIT parties** | | | | |
| 1 | SIT MVC Status | 8 | | MVC continues to be in place |
| 2 | SIT Stage Statuses | 9 | | Risks understood and manageable to and through SIT CIT |
| 3 | SIT PIT progress and outlook | 10 | | See slide 10 |
| 4 | SIT Participants' Readiness and outlook | 11 | | See side 11 |
| 5 | FTIG Summary and Recommendation | 12 | | FTIG M9 recommendation made on 27-Oct-23 |
| 6 | Tier 2 / Tier 3 Testing milestones status for M9 | 13 | | TMAG approved T2-TE-0250 on 20-Oct-23, and T3-TE-0060 on 30-Oct-23 |
| 7 | Summary of Programme assurance findings | 14 - 15 | | Risks understood and manageable to and through SIT CIT |
| 8 | Readiness Assessment 3 Initial Report | 16 - 18 | | Positive feedback from industry participants |
| **Programme Readiness** | | | | |
| 9 | Control Point 2 | 20 - 22 | | SRO decision is to 'Continue' into the next major phase |
| **IPA and Ofgem views on M9** | | | | |
| 11 | IPA | 24 - 27 | | IPA report provided in this pack |
| 12 | Ofgem | 28 | To be discussed | Ofgem view to be requested at PSG on 30-Oct-23 |
| **Operation of M9 approval decision** | | | | |
| 13 | SRO decision | 30 | To be discussed | |

| RAGs - Support a decision to approve M9? | | |
|---|---|---|
| Yes | Not yet | No |

# Participant Readiness

**INFORMATION:** Updates on participant readiness, including:
- SIT MVC Status
- SIT Stage Statuses
- PIT Progress and Outlook
- Participant Readiness and Outlook
- FTIG Summary and Recommendation
- Tier 2/3 Milestone Status for M9
- Programme Assurance Findings
- Participant Readiness Assessment 3

*Programme (Lee Cox, Adrian Page, Keith Clark, Francesca Drew)*

*15 mins*

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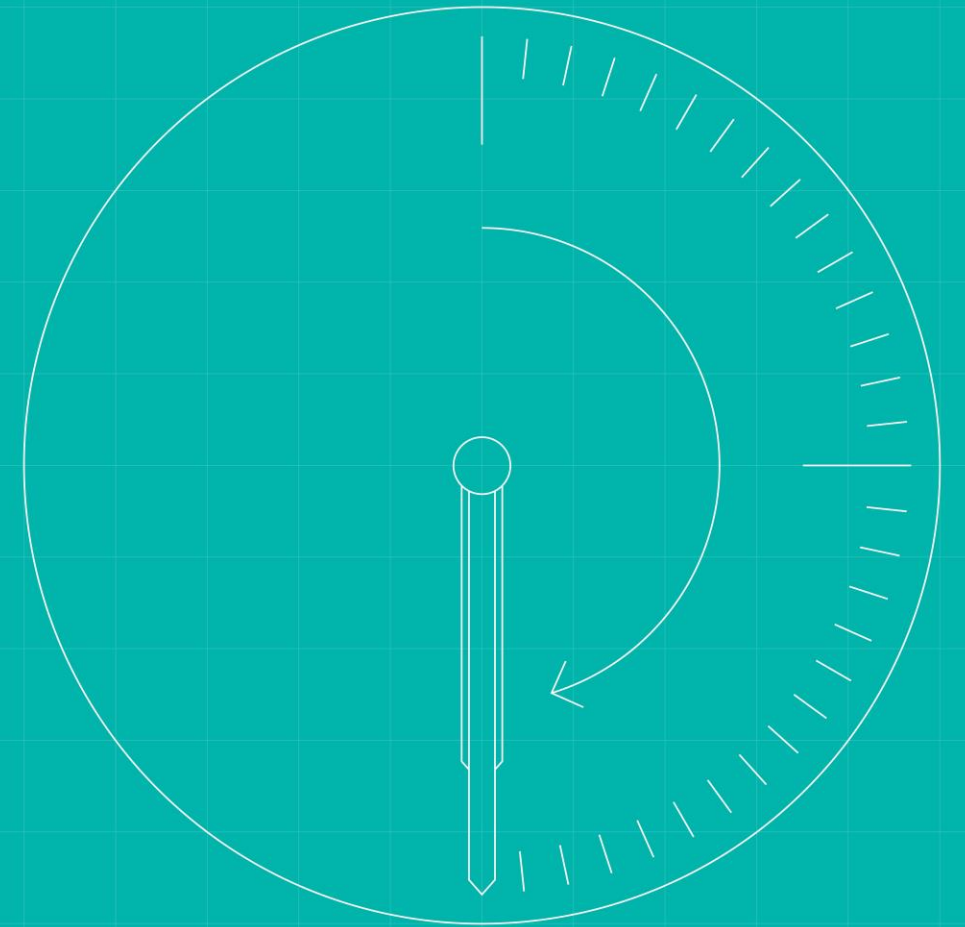
# RAG reporting – what it means

In this section, RAGs are reported – and should be interpreted – on the basis that they represent the statuses as of 30-Oct-23 (updated since the PSG paper date)

**Note:**

- On the subject of statuses:
    - some target an expected position at a specific moment in time
    - others outline the future outlook over a period of time

- Please read the RAG definition legend on each slide for a specific read-out of how to interpret RAGs. These definitions vary according to the context and purpose of the report

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**CCP Readiness Key**

| Ready | Expected to be ready | Expected to be ready if risk mitigation is successful | Unlikely to be ready |
|---|---|---|---|

| Core Capability Providers (CCPs) | CIT Status | Comment | SIT (F) Status | Comment |
|---|---|---|---|---|
| Elexon (Helix) | Int 1 | IR2.1 PIT Complete.<br><br>Helix escalated technical readiness constraints ahead of CIT commencement. A Work-Off Plan was communicated and agreed<br><br>Work-Off Plan communicated with FTIG and TMAG, and implementation is progressing well. Helix on track to enter CIT by Thurs 02-Nov | | Helix are flagging risk around the scale of develop of development needed for IR5, particularly DAH and ability to complete development by SIT functional start. On-going dialogue with Helix to review options to meet SIT F timescales. |
| DIP | Int 1 | IR2.1 PIT – completed with excellent stats. Final review of Test Completion and Work-Off Plan due to complete 31-Oct<br>**T2-TE-0250 work-off plan to be executed:**<br>• All possible Helix tasks complete with support in place to enable Helix to complete their Work Off Plan<br>• CIT Test Stub set up complete – successful IF031 received and validated<br>• DIP Ready for CIT Interval 1 | | Readiness for SIT Functional on track |
| St Clements | Int 2 | Sprint 2 on track for CIT Interval 2 (IR2). No technical blockers for CIT. Hence Green RAG.<br><br>Sprints 3-5 on track for CIT Interval 6 (IR2) albeit with little contingency. | | Readiness for SIT Functional (IR5) also on track at this point but continued little contingency – hence RAG continues as Amber |
| RECCo | Int 6 | DBT plans for EES are on track to be ready for CIT Interval 6 as planned | | On track |
| DCC | N/A | No DCC participation in CIT. | | MDR, CSS changes and capacity upgrades on track.<br><br>SI discussions progressing well on DCC assumptions with key item on defect management remaining before turning status to green |
| ElectraLink | N/A | No ElectraLink participation in CIT. | | Dialogue in progress re changes required to DTN Flows for SIT F |
| LDP (SI) | All Ints | **T2-TE-0250 work-off plan to be executed:**<br>• CIT Test Stub onboarded, integrated and successful IF031 Message issued to DIP. Further, enhanced checks continue ahead of Helix entering CIT Interval 1<br>**Other activities are progressing:**<br>Test Assurance - interval 1 & 2 complete, Interval 3+ in progress. Backlog recovery plan agreed with SRO<br>Test cases - 1st batch (intervals 1 & 2) approved; 2nd batch (intervals 3 & 4) e-TMAG 03-Nov and 3rd batch (intervals 5 & 6) on track<br>Data – on track regarding augmentation. | | Approach and plan approved.<br>Test scenarios and phased test cases approach & new timeline agreed at TMAG 23-Oct<br>DIP simulators being uplifted for IR3-5 DINs, target 3 Nov 23 |

| SIT Participants 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 | 10 | Callisto, Energy Assets, IMServ, Itron, Kraken Data Services, npower Business Solutions, Procode, SMS, Stark, TMA |
| | | Smart Data Services | 2 | 8 | Callisto, Energy Assets, IMServ, Kraken Data Services, Procode, SMS, Stark, TMA |
| | | Metering Services Advanced | 2 | 11 | British Gas, Callisto, EdF, Energy Assets, E.ON UK Energy Solutions, IMServ, npower Business Solutions, Octopus Energy Services, SMS, Stark, Utilita |
| | | Metering Services Smart | 2 | 11 | British Gas, Callisto, EdF, Energy Assets, E.ON UK Energy Solutions, IMServ, Octopus Energy Services, OVO, SMS, Stark, Utilita |
| | | UMSDS | 2 | 2 | Power Data Associates, Tym Huckin Ltd |
| | | HHDC | 1 | 1 | Callisto |
| | | HHMOp | 1 | 2 | Callisto, npower Business Solutions |
| | | NHHDC | 1 | 1 | Callisto |
| | | NHHMOp | 1 | 2 | Callisto, E.ON UK Energy Solutions |
| Large, Medium, Small, I&C Supplier | 8 | Suppliers | 2 | 8 | British Gas, E, Edgware, E.ON Next, Octopus, Rebel Energy, Unify Energy, Utilita |
| DNO, iDNO, LDSO | 2 | Network Operations | 1 | 2 | BUUK, SSEN |
| | | UMSO | 1 | 2 | BUUK, SSEN |
| Managed Service Providers | 8 | | n/a | n/a | C&C, ENSEK,, ESG, Kraken, SeaGlass, Utiliteam, Procode, Wheatley |
| National Grid (ESO) | 1 | | 1 | 1 | National Grid (ESO) |

# SIT Stage Statuses (as of 30-Oct-23)

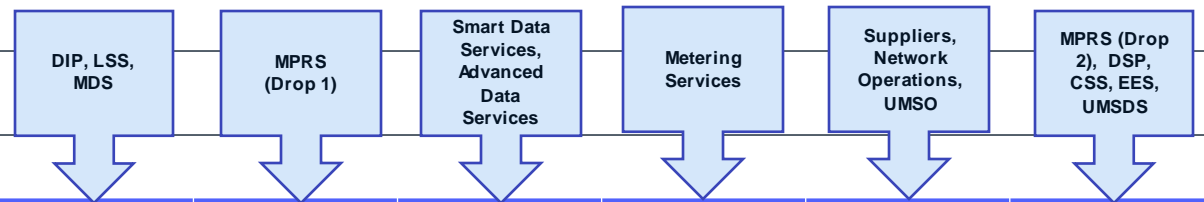| On track per programme plan | Expected to meet programme plan if risk mitigation is successful | Unlikely to comply with programme plan |
|---|---|---|

| Test Stage | RAG | Comment | |
|---|---|---|---|
| CIT | 🟧 | **Overall**<br>Test execution commences: 31-Oct<br>Final preparation activities in progress:<br>• CIT Test Stub, onboarded, integrated and successful IF031 Message issued to DIP. Further, enhanced checks continue ahead of Helix entering CIT<br>• Helix resolving readiness challenges under agreed Work Off Plan. Due to enter CIT 02-Nov<br>Test Approach (plus associated Test Data) Approach and Plans: Approved @TMAG 19-Jul<br>Test Scenarios: Approved @ at eTMAG 30-Aug<br>Test cases: Plan to deliver in 3 Batches agreed through Governance:<br>• Batch 1 (CIT Interval 1&2): TMAG Approved 29-Sep – Approved<br>• Batch 2 (CIT Interval 3&4): TMAG Approved 03-Nov – On Track<br>• Batch 3 (CIT Interval 5&6): TMAG Approved 08-Dec – On Track | **Interval 1 – DIP**<br>PIT Execution - IR1 completed 09-Oct, IR2 (with Data Model Uplift) completed 20-Oct with 100% Test execution, 99% Test Pass<br>PIT Execution - IR2.1 (with Data Model Uplift) completed 23-Oct with 100% Test execution, 99% Test Pass, 0 Sev1/Sev2 Defects<br>DIP Onboarding:<br>Interval 1 – Complete for Expleo Pseudo Role/CIT Test Stub. Helix in progress (dependent on Helix Work Off Plan)<br>Interval 2 – In Progress<br><br>**Interval 1 – Helix**<br>PIT Execution – Completed Successfully, Test Completion Report Review Complete<br>Helix Onboarding in Progress (dependent on Helix Work Off)<br><br>**Interval 2-6**<br>Interval 2 – St Clements, PIT Execution Complete. Test Completion Report under Review<br>Interval 3 – All PIT Documentation received. Test Approach & Plans Reviews complete.<br>Interval 4 – All PIT Documentation Received and under review<br>Interval 5 – All PIT Documentation Received and under review<br>Interval 6 – 75% of Test Approach and Plans received |
| Functional | 🟧 | Test execution commences: 11-Mar-24<br>Test Approach (plus associated Test Data) Approach and Plans: Approved @TMAG 16-Aug<br>Test Scenarios and Test Cases, revised delivery approach SITWG agreed, also approved at TMAG on 23-Oct-23<br>Test Scenarios and Test Cases – revised delivery approach commenced with 3 out of 5 Themed review workshops successfully completed | |
| Migration | 🟩 | Test execution commences: 10-Jun-24<br>Test Approach (plus associated Test Data) Approach and Plans: Documents authored, under SRO Review. Industry Consultation moved from 26-Oct to 02-Nov, forecast TMAG Approval remains 20-Dec<br>Test Scenarios & Test Cases: Delivery plans to be shared and agreed, forecast approval March 24<br>Note – Migration Design complete and follows existing Business Processes with relevant deviations to enact migration. Migration Testing will therefore follow SIT Functional Testing with relevant deviations | |
| Non-Functional | 🟩 | Test execution commences: 02-Sep-24<br>Test Approach (plus associated Test Data) Approach and Plans: Planned – Industry Consultation 25-Jan, TMAG Approval 20-Mar<br>Test Scenarios & Test Cases: Delivery plans to be shared and agreed, forecast approval May 24<br>Note – Non-Functional Requirements allocation across PIT and SIT to be socialized in September NFTWG. | |
| Operational | 🟩 | Test execution commences: 07-Oct-24<br>Test Approach (plus associated Test Data) Approach and Plans: Planned – Industry Consultation 21-Mar, TMAG Approval 15-May<br>Test Scenarios & Test Cases: Delivery plans to be shared and agreed, forecast approval July 24 | |

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# SIT – PIT Progress and Outlook (as of 30-Oct-23)

| | | DIP, LSS, MDS | MPRS (Drop 1) | Smart Data Services, Advanced Data Services | Metering Services | Suppliers, Network Operations, UMSO | MPRS (Drop 2), DSP, CSS, EES, UMSDS |
|---|---|---|---|---|---|---|---|
| **Activity / Milestone** | **Notes** | **CIT Interval 1** | **CIT Interval 2** | **CIT Interval 3** | **CIT Interval 4** | **CIT Interval 5** | **CIT Interval 6** |
| **PIT Approach and Plan** | At least 12 Weeks before PP Final Test Completion Report | 07th July 23 (No later than**) | 28th July 23 (No later than**) | 11th Aug 23 (No later than**) | 25th Aug 23 (No later than**) | 15th Sep 23 (No later than**) | 13th Oct 23 (No later than**) |
| **Assurance of PIT Approach and Plan** | + 10 days to assure | 21st July 23 | 10th Aug 23 | 25th Aug 23 | 8th Sep 23 | 29th Sep 23 | 27th Oct 23 |
| **PIT Test Readiness Report** | To be submitted every two weeks on a Friday after issuing PIT Approach and Plan, until the start of PIT test execution | 21st July 23**** | 10th Aug 23**** | 25th Aug 23**** | 8th Sep 23**** | 29th Sep 23**** | 27th Oct 23**** |
| **PIT Requirements to Test Traceability Matrix** | At least 4 weeks after test approach and this will be updated during test execution | 4th Aug 23** | 1st Sep 23** | 8th Sep 23** | 15th Sep 23** | 06th Oct 23** | 10th Nov 23** |
| **Assurance of Requirements to Test Traceability Matrix** | +10 days and will be assured before test execution and will be ongoing as part of test completion | 18th Aug 23 | 15th Sep 23 | 22nd Sep 23 | 29th Sep 23 | 20th Oct 23 | 24th Nov 23 |
| **PIT Test Scenarios** | Issued same day as RTTM | 4th Aug 23** | 1st Sep 23** | 8th Sep 23** | 15th Sep 23** | 06th Oct 23** | 10th Nov 23** |
| **Assurance of PIT Test Scenarios** | +10 days and will be assured before test execution and will be ongoing as part of test completion, now 25 Oct 2023 | 18th Aug 23 | 15th Sep 23 | 22nd Sep 23 | 29th Sep 23 | 20th Oct 23 | 24th Nov 23 |
| **PIT Test Execution Progress Report** | Every Month following start of test execution and on a weekly basis in the last 4 weeks before completion of testing | 22nd Sep 23 *** | 13th Oct 23 *** | 27th Oct 23 *** | 10th Nov 23 *** | 01st Dec 23 *** | 29th Dec 23*** |
| **PIT Execution** | Assumption that execution runs up to PIT completion report submitted | Helix 29th Sep 23 DIP – 20th Oct 23 | 20th Oct 23 Now 25th Oct | 3rd Nov 23 (No later than**) | 17th Nov 23 (No later than**) | 8th Dec 23 (No later than**) | 5th Jan 24 (No later than**) |
| **PPs Issue Draft PIT** Completion Report | A draft of the PIT test completion report to be submitted no later than 15 working days before the planned end of test execution | 8th Sep 23 (No later than**) | 29th Sep 23 (No later than**) | 13th Oct 23 (No later than**) | | | |
| **Draft PIT Completion Reports assured by SI** | | 29th Sep 23 | 20th Oct 23 | 3rd Nov 23 | | | |
| **PPs Issue Final PIT Completion Report** | Final report allowing for any test completion delta | Helix 29th Sep 23 DIP - 23rd Oct 23 | 20th Oct 23 Now 25th oct | 3rd Nov 23 (No later than**) | | | |
| **PP Final PIT Completion Reports assured by SI** | 5 working days for review | Helix 6th Oct 23 DIP – 31st Oct | 27th Oct 23 Now 02 Nov | 10th Nov 23 | | | |
| **SIT CIT Ready to Start (TMAG Milestone)** | TMAG Milestone - 1 week prior to CIT Start for each CIT Interval | Helix - 02 Nov DIP – 30th Oct | 6th Nov 23 | 20th Nov 23 | 4th Dec 23 | 8th Jan 24 | 22nd Jan 24 |
| **SIT CIT Start** | **CIT Interval 1 Start = PSG Milestone (M9)** | 30th Oct 23 | 13th Nov 23 | 27th Nov 23 | 11th Dec 23 | 15th Jan 24* | 29th Jan 24 |

**PIT Deliverables**

**Key / Notes**

- [yellow] PIT assurance reviews have occurred with some assurance comments to resolve
- [red] Deliverables - most, but not all artefacts have been received.
- [red] Assurance – behind schedule, recovery planning in progress

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

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

*Note 3 **** – For the purpose of this plan, this is the final test execution progress report for the final month. In the final month, the requirement is to provide a weekly report and the monthly report is required to be provided once a month.*

*Note 4 ***** – For the purpose of this plan, this is the first PIT test readiness report we will be expecting from PPs. This will be submitted every two weeks on a Friday after issuing PIT Approach and Plan, until the start of PIT test execution.*

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| | | DIP, LSS, MDS | MPRS (Drop 1) | Smart Data Services, Advanced Data Services | Metering Services | Suppliers, Network Operations, UMSO | MPRS (Drop 2) DSP, CSS, EES, UMSDS |
|---|---|---|---|---|---|---|---|
| **Activity / Milestone** | **Notes** | **CIT Interval 1** | **CIT Interval 2** | **CIT Interval 3** | **CIT Interval 4** | **CIT Interval 5** | **CIT Interval 6** |
| **SIT CIT Start** | **CIT Interval 1 Start = PSG Milestone (M9)** | **30th Oct 23** | **13th Nov 23** | **27th Nov 23** | **11th Dec 23** | **15th Jan 24\*** | **29th Jan 24** |
| **SIT CIT Ready to Start (TMAG Milestone)** | TMAG Milestone - 1 week prior to CIT Start for each CIT Interval | Helix 2nd Nov 23 DIP 30th Oct 23 | 6th Nov 23 | 20th Nov 23 | 4th Dec 23 | 8th Jan 24 | 22nd Jan 24 |
| **DIP Onboarding Complete** | | 13th Oct 23 | 20th Oct 23 Now 31st Oct | 10th Nov 23 | 24th Nov 23 | 8th Dec 23 | 8th Dec 23 |
| **SI Overarching CIT Test Readiness Report reviewed by SITWG/IPA** | • 5 working days for review | 13th Oct 23 | 3rd Nov 23 | 17th Nov 23 | 1st Dec | 5th Jan 24 | 19th Jan 24 |
| **Interval Participants ready to commence DIP Onboarding** | | 9th Oct 23 | 16th Oct 23 | 30th Oct 23 | | | |
| **SI Issues Overarching CIT Test Readiness Report** | SI releases report 2 weeks prior to 'SIT CIT Ready to Start' milestone for CIT Interval 1, allowing for review and mop up ahead of PSG (M9) SI releases iterated report 1 week prior to 'SIT CIT Ready to Start' milestone for CIT Intervals 2-6 | 6th Oct 23 | 27th Oct 23 | 10th Nov 23 | | | |
| **PP CIT Test Readiness Reports Assured by SI** | 5 working days for review | Helix - 6th Oct 23 DIP – 29th Oct 23 | 27th Oct 23 Now 2nd Nov | 10th Nov 23 | | | |
| **PPs Issue CIT Test Readiness Reports** | | Helix 29th Sep 23 DIP – 23rd Oct 23 | 20th Oct 23 Now 25th Oct | 3rd Nov 23 | | | |
| **Test Data Load and Verification Complete** | Period of 4 weeks prior to PP CIT Test Readiness Report | 29th Sep 23 DIP – 26th Oct 23 | 20th Oct 23 | 3rd Nov 23 | | | |
| **MHHS code deployed to SIT PPs' environments** | Period of 2 weeks prior to PP CIT Test Readiness Report | 29th Sep 23 DIP – 23rd Oct 23 | 20th Oct 23 | 3rd Nov 23 | 17th Nov 23 | 8th Dec 23 | 5th Jan 24 |
| **Internal Environment Connectivity Proving Complete** | | 13th Oct 23 | 20th Oct 23 | 10th Nov 23 | 24th Nov 23 | 8th Dec 23 | 8th Dec 23 |
| **SIT PPs' environments ready to start Connectivity Proving – Part 1 (Int. connectivity)** | | 1st Sep 23 | 25th Sep 23 | 6th Oct 23 | 20th Oct 23 | 10th Nov 23 | 24th Nov 23 |
| **PP Final PIT Complétion Reports assured by SI** | 5 working days for review | Helix 6th Oct 23 DIP – 31st Oct 23 | 27th Oct 23 Now 2nd Nov | 10th Nov 23 | 24th Nov 23 | 15th Dec 23 | 12th Jan 24 |
| **PPs Issue Final PIT Completion Report** | Final report allowing for any test completion delta | Helix 29th Sep 23 DIP – 23rd Oct 23 | 20th Oct 23 Now 25th Oct | 3rd Nov 23 (No later than\*\*) | 17th Nov 23 (No later than\*\*) | 8th Dec 23 (No later than\*\*) | 5th Jan 24 (No later than\*\*) |
| **Draft PIT Complétion Reports assured by SI** | | 29th Sep 23 | 20th Oct 23 | 3rd Nov 23 | 17th Nov 23 | 8th Dec 23 | 5th Jan 24 |
| **PPs Issue Draft PIT\*\* Completion Report** | A draft of the PIT test completion report to be submitted no later than 15 working days before the planned end of test execution | 8th Sep 23 (No later than\*\*) | 29th Sep 23 (No later than\*\*) | 13th Oct 23 (No later than\*\*) | 27th Oct 23 (No later than\*\*) | 17th Nov 23 (No later than\*\*) | 1st Dec 23 (No later than\*\*) |

**Status Notes**

DIP Work Off plan with CIT Test Stub completed ahead of CIT commencement

Helix facing readiness technical challenges, being managed by separate Work Off. Entry into CIT replanned as 02-Nov

Deliverables - most, but not all artefacts have been received.

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

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

SIT CIT Readiness

# FTIG Summary (and M9 recommendation made on 27-Oct-23)

- 17 FTIGs held (by PSG date)

- Good attendance from PPs

- Collaborative and cooperative environment

- Started fortnightly - now a weekly 45-minute session

- Focus remains on raising / sharing material blockers and key concerns, discussing potential solutions and agreeing a way forward (e.g. the move from IR6 to IR 5 as the basis for SIT Functional Testing)

- Used FTIG to make recommendations to TMAG / PSG (e.g. readiness for data cut in August, recommendation of SIT CIT readiness)

- 60 blockers raised on the Obstacles Tracker of which 42 closed, 18 open but no blockers impacting initial CIT intervals

- 7 new blockers raised in October 2023

- Positive comments from IPA on operation of FTIG, ongoing continuous improvements

**On 27th October, FTIG unanimously voted, based on test readiness, to recommend PSG approve the T1-TE-1000 (M9 SIT Start) milestone**

| | |
|---|---|
| MHHS Programme | National Grid ESO |
| IPA | Npower Business Solutions |
| Avanade (DIP) | Octopus |
| British Gas / Centrica | Octopus Energy Services (metering services) |
| BUUK Infrastructure | OVO (metering services) |
| C&C Group Holdings | Power Data Associates |
| Callisto | Procode |
| Data Communications Company (DCC) | Rebel Energy |
| E (Gas and Electricity) Ltd | RECCo |
| EdF (metering services) | SeaGlass |
| E.ON Next Energy Limited | SMS |
| E.ON UK Energy Solutions (metering services) | SSEN |
| Edgware Energy | St Clements Services |
| Electralink | Stark |
| Elexon Central Systems (Helix) | TMA Data Management |
| Energy Assets Ltd | Tym Huckin Ltd |
| Ensek | Unify Energy |
| ESG | Utilita |
| IMServ | Utiliteam |
| Itron Metering Solutions (UK) | Wheatley Solutions |
| Kraken Data Services | |
| Last Mile Electricity Ltd | |
| National Grid Electricity Distribution | |

## T2-TE-0250
## SIT Component Integration Testing (CIT) Interval 1 Preparation Complete

- On 20 October 2023 FTIG recommended that TMAG should approve this milestone, on the basis of completion of a clearly-defined work-off plan relating to:
  - the deployment of DIP changes (GlobalSign and Data Model)
  - the subsequent completion of related CIT Interval 1 preparation activities

- On 23 October 2023 TMAG approved T2-TE-0250 based on the FTIG-endorsed work-off plan

## T3-TE-0060
## Component Integration Testing (CIT) Interval 1 Start

- TMAG this morning (30 October 2023) approved milestone T3-TE-0060, on the basis of work-off actions that were shared, updated and will be complete between today and Thursday 02 November 2023
  - work-off actions relate to the above-mentioned work-off plan, plus actions related to resolving a Helix item

- Start of CIT Interval 1 is contingent on subsequent PSG M9 approval today

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# Delivery Assurance Update – No adverse M9 observations

1. Delivery Assurance meetings with the Core Capability Providers and other PPs critical to forming an MVC are complete (13 in total)
2. All reports have been issued with all observations, findings and actions accepted by PPs, with one review response outstanding

✓ **Plan Risk.** All PPs sampled have viable 'green' plans to meet respective CIT entry milestones or clear 'path to green' for those carrying elevated risk

✓ **Engagement and Visibility.** There was no fundamental change in reported delivery status for any PP following the delivery assurance. This indicates the overall governance reporting is accurate, transparent and generally fit for purpose. PPs reported the level of programme engagement in general is correct

✓ **PIT Achievability.** PPs are achieving, or are on track for, successful PIT completion (in some cases well ahead of the due date) indicating PIT completion is achievable with current MHHS artefacts, supported by collaborative working with the programme to overcome any challenges

• **Ongoing Change.** Participants cited concerns about the impact of the volume of design changes, particularly development needed to achieve the uplift from IR 2 for CIT to IR 5 for SIT Functional. (IR 5.1 is now released and impact assessments on-going)

• **Swagger / Interface Catalogue Alignment.** Inconsistencies between Swagger / Interface Catalogue were brought up in several of the sessions as a risk to SIT Timescales. These are being addressed through Interim Releases, with CIT blockers resolved in IR 2.1 and an uplift published in IR 5.1

• **Post-Functional SIT Planning.** Some PPs are turning attention beyond SIT Functional and seeking more detailed clarification around SIT Migration, NFT and Operational Testing

• **Sandbox Withdrawal.** Some PPs expressed concern about the programme potentially withdrawing the sandbox environment (and ability to test DBT2). This has since been subject to a separate consultation and strong PP representation to maintain it, which the Programme is now considering

• **Qualification Requirements.** Several PPs noted that the Code Bodies have not yet provided a clear set of qualification requirements covering qualification across functional testing, migration, operational testing and non-functional testing for all roles (Suppliers, Agents, LDSOs)

✗ **Non-SIT LDSO Qualification testing.** Approach and plan for non-SIT LDSO Qualification testing requires more progress, as there is uncertainty at this point. Alignment is required between Code Bodies, Elexon and MHHSP to de-risk M10. Options under review for presentation to November PSG

# Design Assurance Update – No adverse M9 observations

| Positive findings | Continued action required | Issues to be resolved |
|---|---|---|

1. Design Assurance meetings with Core Capability Providers and other SIT participants, including those placing reliance (28 in total), are complete
2. All reports issued with observations and findings. All actions have been dealt with

✓ **Understanding of the Design.** All PPs entering SIT have viable designs with a good understanding of requirements

✓ **Quality of Design Artefacts.** In the most part all provided copies of an Infrastructure Architecture, a Functional Specification and an RTM, which covered their respective areas to a good level of detail

✓ **Engagement and Visibility.** The majority came with content prepared and willing to share and talk through their designs in an open and very positive forum

✓ **Use of 3$^{rd}$ Parties.** Larger suppliers demonstrated a good understanding of the requirements and strong design thinking, all using delivery partners for elements of their solution. Smaller suppliers provided confidence in placing reliance for design on software and service providers which in turn demonstrated an excellent understanding of the requirements and designs

• **Ongoing Design Change.** Participants cited concerns about the impact of the volume of design changes, particularly development needed to achieve the IR 2 to IR 5 uplift for SIT functional. (This was acknowledged at the meetings but deemed necessary to improve the clarity in the design, noting the positive support from industry in the Fast-Track process and implementing >500 DINs)

• **Swagger / Interface Catalogue Alignment.** Inconsistencies were brought up in several of the sessions, and risks to CIT Timescales. The programme team acknowledges the challenges participants have had around the Swagger and Interface Catalogue. This was addressed via additional IR 2.1 and IR 5.1 releases to better align the documents as well as guidance on the specific issues, and bilateral sessions where requested

• **Post-SIT Design Change.** Some PPs have started to ask how the Change process and Interim Release process will work once we move into SIT. The programme team is currently reviewing this as the number of DINs is now below 50 and the programme is looking to align updates with the published Testing Minor and Major release schedule

✗ **Qualification Requirements.** Several PPs noted that the Programme has not yet provided a clear set of requirements from the Code Bodies covering qualification across migration, operational testing and non-functional testing

# Readiness Assessment Three (RA3) – Overview and Summary

## Overview

On 5 September 2023, Readiness Assessment Three (RA3) was issued to the Principal Contacts of the MHHS Programme's industry participants. Participants were provided with 15 working days to complete the survey. The survey closed on 25 September.

## Purpose of Readiness Assessments

The Programme's Readiness Assessments provide an opportunity for participants to communicate progress and seek support where required. They provide the Programme with an accurate view of a participant's status, which can help inform decision making for the Programme.

## Reporting

Each participant who responds to RA3 is provided with an individual participant report, providing a summary of our findings and Programme recommendations based on their responses; and an RA3 Overall Report.

The RA3 Overall Report provides a view of the industry's response to RA3 from a macro level.

## Next Steps

The RA3 Overall Report is currently being collated by the PPC Team and will be issued to participants on 27 November 2023.

Participants will also receive their individual reports on this day.

## RA3 Focus Areas

**Administrative Questions**

A small number of questions to determine the participant and which constituency they belong

**Delivery Information**

To provide a better understanding of participant plans, progress, barriers to delivery and wider ecosystem

**Qualification**

Only for non-SIT participants, these questions were to provide initial data to support qualification planning and assess awareness of Qualification

**Testing**

Assess SIT participant readiness in line with the Programme plan, and progress in putting in place required process, resources, and capacity

**Migration**

Assess participants' understanding of Migration, awareness of their responsibilities and readiness ahead of M10

**Comms Engagement, Feedback and Support**

Opportunity to assess performance of Programme communication channels and provide feedback and areas where support is required

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# RA3 Headline Results

## Overall

The response to RA3 has been positive across several factors. While we have seen an increase in the total number of responses received, the responses themselves indicate that participants are engaged, knowledgeable and in a position to deliver in line with their MHHS pathway.

## Engagement with RA3

More participants completed RA3 than any previous Readiness Assessment. Responses to RA3 covered more than 96% of all MPANs, and we had responses from 19 of the 20 LDSOs. We have seen increases in responses from all supplier constituencies, with small suppliers showing an encouraging increase in their response rate. A greater number of participants engaging with the Readiness Assessments leads to more robust findings and provides more opportunities for the Programme to identify where participants require support.
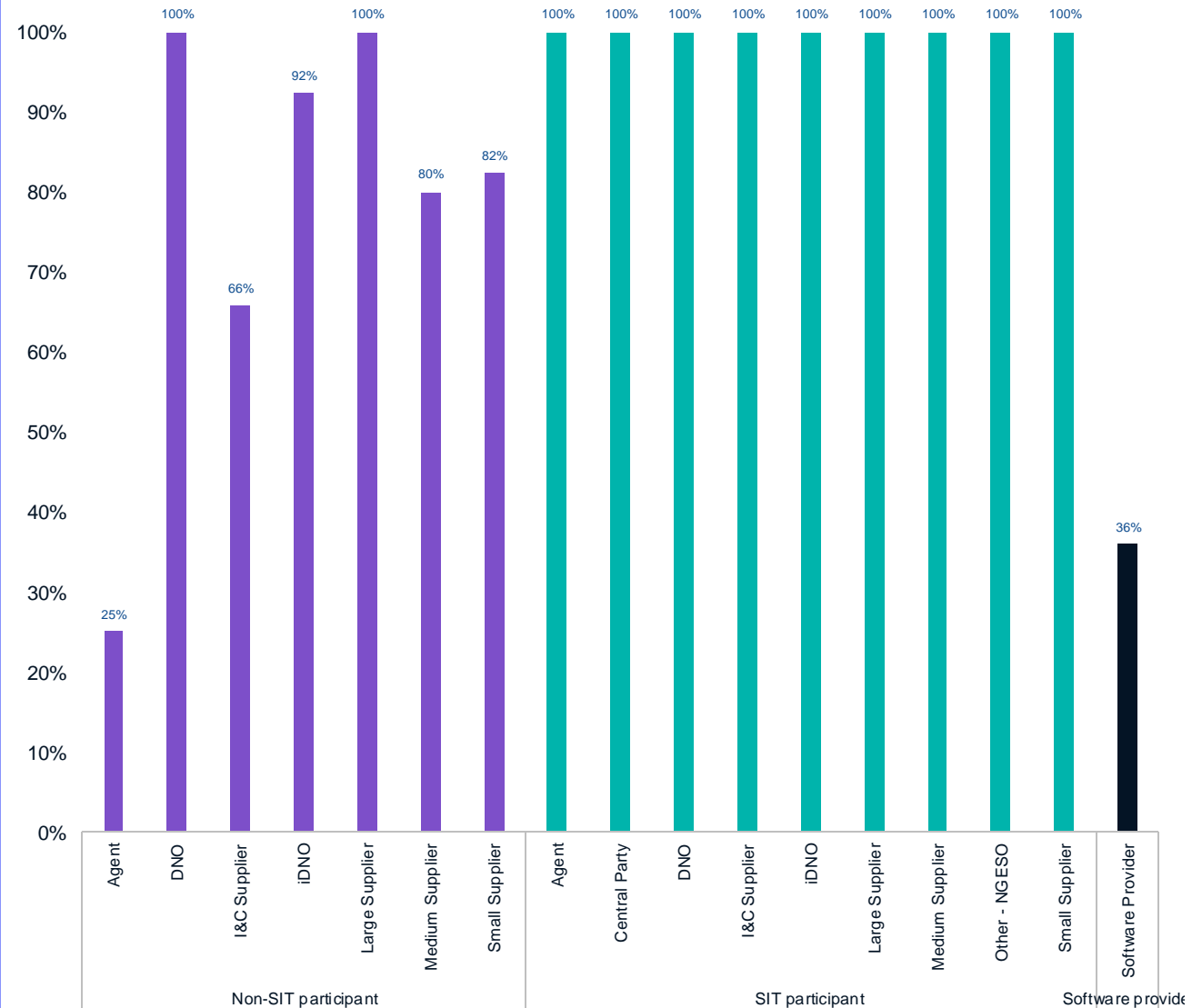
## Testing

The Programme's SIT participants are aligned with Programme timelines and outcomes for CIT and SIT Functional. This indicates a low level of risk around the ability of participants to deliver SIT testing as the Programme moves to M9. This is indicated from both a planning and resource perspective, as the majority SIT participants have indicated that they have resources and process in place to successfully execute their testing.

## Qualification

Participants who are proceeding through the Qualification route are making good progress in their Programme delivery, with 80% believing that they will have completed their DBT1 activities prior to the launch of the final Qualification Tranche. Most of these participants have moved away from building awareness and tentative engagement with the Programme to putting teams in place and delivering outcomes.

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### Response rate by constituency

| Constituency | Response rate |
|---|---|
| Agent (Non-SIT) | 25% |
| DNO (Non-SIT) | 100% |
| I&C Supplier (Non-SIT) | 66% |
| iDNO (Non-SIT) | 92% |
| Large Supplier (Non-SIT) | 100% |
| Medium Supplier (Non-SIT) | 80% |
| Small Supplier (Non-SIT) | 82% |
| Agent (SIT) | 100% |
| Central Party (SIT) | 100% |
| DNO (SIT) | 100% |
| I&C Supplier (SIT) | 100% |
| iDNO (SIT) | 100% |
| Large Supplier (SIT) | 100% |
| Medium Supplier (SIT) | 100% |
| Other - NGESO (SIT) | 100% |
| Small Supplier (SIT) | 100% |
| Software Provider | 36% |

# RA3 Headline Results

## Engagement

- Very strong response rate with 67% of in-scope participants responding.
- This equates to 96% of all MPANs and 19 of 20 LDSOs.
- This includes 100% of SIT participants and 68% of non-SIT participants.
- Software providers had the lowest response at 36%, however they are not obligated to respond to Readiness Assessments.

## SIT Participants

- 100% of SIT participants who have components to test in CIT will be ready to start CIT in line with their assigned interval.
- 94% will be in a position to complete Functional PIT through using the DIP simulator in readiness for SIT Functional.*
- More than 90% have the resources, processes, and capacity in place to execute Testing.

## Non-SIT Participants

- 86% of non-SIT participants anticipate completing DBT1 activities prior to the launch of the final Qualification Tranche.
- 94% believe they will have all the requirements for their MHHS roles in place for one of the tranches.
- There is an inconsistency in some answers, where dates for DBT1 completion do not align with having all requirements in place.

## Delivery Information

- 81% of non-SIT participants and software providers are mobilising or have a team in place to deliver the MHHS changes.
- 70% of SIT participants and 89% of software providers are using the DIP Simulator.
- This falls to 34% for non-SIT participants, whose efficacy of using the simulator may be limited at present.

## Migration

- There is a risk emerging where only 36% of SIT and 33% of non-SIT participants were able to provide a date by which they expect to make changes to their legacy systems for Migration at M10. Further participant engagement is required in this area.
- 49% of respondents have begun planning their internal Migration approach. This equates to 70% of SIT and 39% of non-SIT participants.

## Comms & Engagement

- The Programme's communication channels continue to show their effectiveness in engaging with participants, with respondents being at least 'Satisfied' with all channels.
- The Clock and PPC Team continue to be held in high regard by participants, Participants have also provided helpful input and feedback which The Programme will take on board for continuous improvement.

* Please note these figures do not include responses from Avanade and NGESO. While both are in SIT, Avanade will not be using the DIP Simulator as they are the DIP provider. NGESO will not be carrying out PIT testing but are in SIT.
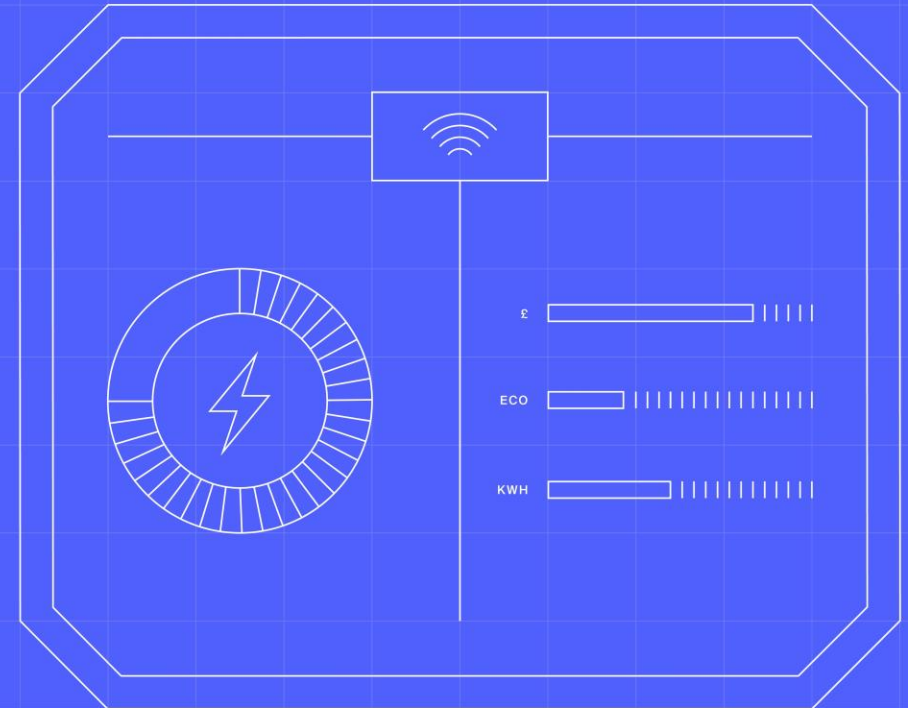
# Programme Readiness

**INFORMATION:** Updates on Programme readiness, including:
- Programme conclusion of Control Point 2
- IPA view on Control Point 2

**DECISION**: PSG recommendation and SRO decision on Control Point 2 approval

*Programme (Keith Clark) & IPA (Richard Shilton)*

*5 mins*

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# Control Point 2 – Summary

## Control Point 2 Decision Recommendation

**Continue**
(not conditional – improvement recommendations do not require the programme to be paused or stopped)

### Health Indicator Assessment Ratings



- 4%
- 8%
- 27%
- 62%

- Good
- Satisfactory
- Requires Improvement
- N/A
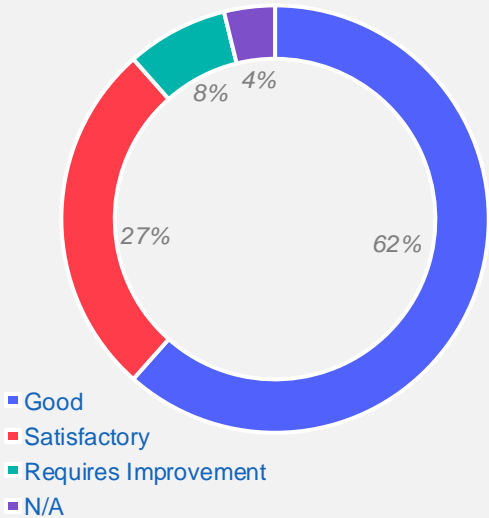
### Programme Health summary

Combining bottom-up (Health Check) and top-down (Strategic) views, the SRO has decided that, subject to the decision on M9, **Programme can 'Continue' into the Integration Testing phase.** Actions proposed as part of this Control Point 2 review are not yet critical to delivery, although some are important for supporting the Programme through the SIT phase and others in de-risking future activities and technical go-live (M10).

In the bottom-up assessment, the main concern relates to forward delivery, i.e. the level of uncertainty in the approach and plans for Qualification / Qualification Testing, including non-SIT LDSO testing. This is being addressed by Code Bodies, with central programme team support, as a matter of priority – especially given the importance of the latter testing in providing clarity to LDSOs and reaching the technical go-live (M10) on time.

In the top-down review, it is evident that the Programme needs to accommodate the expected and significant shift in the way it operates – since we are moving more clearly and rapidly from 'mobilise, build, prepare' into the major phase of 'execute' for the early adopters, which affects ways of working and the delivery leadership required (operational leadership in addition to change leadership), stakeholder relationships and engagement, and the need for the central programme team to support and integrate delivery activity for which it is not responsible (Qualification). Overall, we feel that the individual assessments, together with the aggregated view of all the assessments, warrant the above decision.

### Strategic Themes

**1. Delivery:** Continue to build confidence in: (1) MHHSP and Code Bodies' ability to deliver the Programme plan; (2) Participants' ability to deliver their plans, and (3) having robust planning, monitoring and escalation in place to ensure both

**2. Rhythm:** Continued to move the Programme (sustainably) fast enough to enable delivery of customer benefits as early as possible whilst ensuring we don't lose industry (and ourselves) as we go

**3. MHHSP People:** Ensure individuals and teams feel valued and supported, we continue to monitor our resourcing, and that SRO and LDP teams work sustainably together to deliver our common outcomes

**4. Industry Commitment:** Demonstrate delivery leadership while building a programme that the whole 'industry ecosystem' believes in and is committed to

**5. Delivery Strategies and Continuous Improvement:** Delivery Strategy is set but needs to remain responsive, adaptable and data-driven – and continuous improvement should be an intrinsic part of our culture and deliver on our promise of an innovative industry programme model

**6. Change and Risk:** Ensure we have the right operation to deliver inevitable and necessary future Programme change, with manageable risk

**7. Outcomes:** Build on successful early benefits tracking with additional measures established and monitored, with an outcomes-focused mindset

| | Health Indicator | | CP1 to CP2 Rating | Rating at CP2 |
|---|---|---|---|---|
| **Delivery** | 1. Delivery in Previous Phase | | Satisfactory | Good |
| | 2. Delivery to Next Control Point | | n/a | Requires improvement |
| | 3. Change | Change Control | Satisfactory | Good |
| | | Change Strategy | Good | Good |
| | 4. Risk | RAID Operation | Good | Good |
| | | Risk Level | Satisfactory | Satisfactory |
| | 5. Outcomes | | Good | Good |
| | 6. Financial Outlook | | Satisfactory | Satisfactory |
| **Ways of working** | 7. Strategies and Approaches | | Good | Good |
| | 8. Delivery Rhythm | | Good | Good |
| | 9. Continuous Improvement | | Good | Good |
| **People** | 10. MHHSP View of Programme Participants and Industry | | Good | Good |
| | 11. MHHSP People | | Requires improvement | Satisfactory |

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**Background and scope of IPA review**

The Programme Team has drafted the **"Control Point 2 - PSG Report"** to support the decision on whether or not to progress to the next phase of the Programme using a detailed review of programme health. At Control Point 2 (CP2), the Programme Team is looking to close the Design, Build and Test (DBT) phase, and move into the SIT phase.

The scope of our assurance activity was to review the Programme Team's draft Control Point 2 report, as shared with us on 13 October 2023, and to provide feedback and comments on its content based on our understanding of the current status formed through the activities we have conducted in the DBT phase through our in-scope assurance work packages. We have not performed any additional assurance activities specifically to validate or assess the content of this report or reviewed the underlying assessment and process followed to create this report.

**Executive Summary:**

- We agree with the Programme Team's decision to "Continue". Our view aligns with the Programme Team's assessment for 10 of the 11 individual Health Indicator ratings. We have taken a more cautious view on one Health Indicator but agree with the Programme Team's underlying assessment narrative.

- The Programme Team's draft CP2 report demonstrates a positive trend since Control Point 1 (CP1) across the majority of Health Indicators and we agree with this view. Specially, during the DBT phase, re-baselining of the plan and increased engagement and collaboration across the end-to-end Programme has resulted in increased delivery momentum.

- The Programme Team's draft CP2 report has identified the majority of the observations and recommendations/next steps we would expect to be included. We have identified a small number of additional observations and recommendations which have been provided to the Programme Team to be incorporated into the final version of the CP2 report. These are primarily related to learnings from the Programme so far, and additional actions to help address likely areas of risk in the next phase.

- The Programme Team has provided an update on the current status of actions from the CP1 report, and we note that these have either been addressed or a plan is in place to address them in a reasonable timeframe, including those raised by the IPA.

- We have set out in the table to the right the IPA view of key priorities for the end-to-end Programme as we move through to Control Points 3 and 4. We note that a number of related recommendations/next steps have already been included in the to CP2 Report.

**IPA view of current priorities for the end-to-end Programme**

| Priority | | Associated Health Indicator(s) |
|---|---|---|
| 1 | Rapid development and communication of the detailed Qualification Testing plan, approach and test scenarios/cases, with specific focus on non-SIT LDSO testing. | Delivery to next Control Point |
| 2 | Readiness of query, defect and change processes to be operated during SIT including continued communication with industry over how they engage with these processes. | Strategies and approaches / change |
| 3 | Continued development of migration planning including related industry engagement and communication. | Delivery to next Control Point |
| 4 | Review of governance arrangements as the Programme moves into SIT testing to ensure they remain fit-for-purpose. For example, evolution of FTIG and whether an equivalent non-SIT group needs to be established. | Strategies and approaches |
| 5 | Continue the positive trend of engagement and collaboration across the end-to-end Programme, as seen through the last phase. This will be especially important during SIT to drive continued momentum. | Delivery rhythm |

## Control Point 2 - Start of Integration & Test (T1-CP-2000 Decision)

The SRO approves the Tier 1 milestone T1-CP-2000 (Control Point 2 - Start of Integration & Test) based on:

- MHHS Programme Control Point 2 report and decision
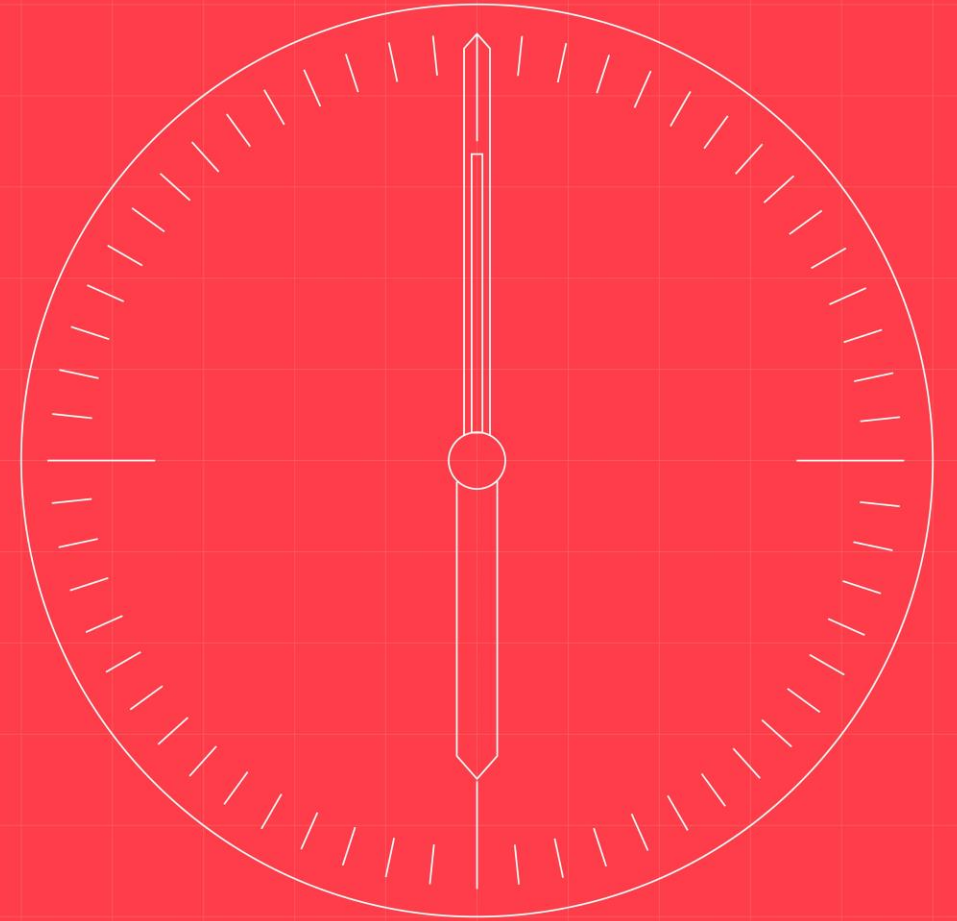
- IPA Control Point 2 report

**Next Steps**
- Proceed to M9 decision
- The decision will be communicated to all Programme participants
- Next Control Points:
  - 28 March 2025 (T1-CP-3000 Control Point 3/4 - Readiness for Migration (incl. Control Point Report approval))
  - 07 December 2026 (T1-CP-4000 Control Point 5 - Cut Over to New Settlement Timetable (incl. Control Point Report approval))

# IPA Report

**INFORMATION:** View from the IPA on M9 commencement

IPA (Richard Shilton)

*10 mins*

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Document Classification: Public

# MHHS IPA

## Test Assurance "Period 2" Executive Summary for PSG

## FINAL

20 October 2023

pwc

# Executive Summary
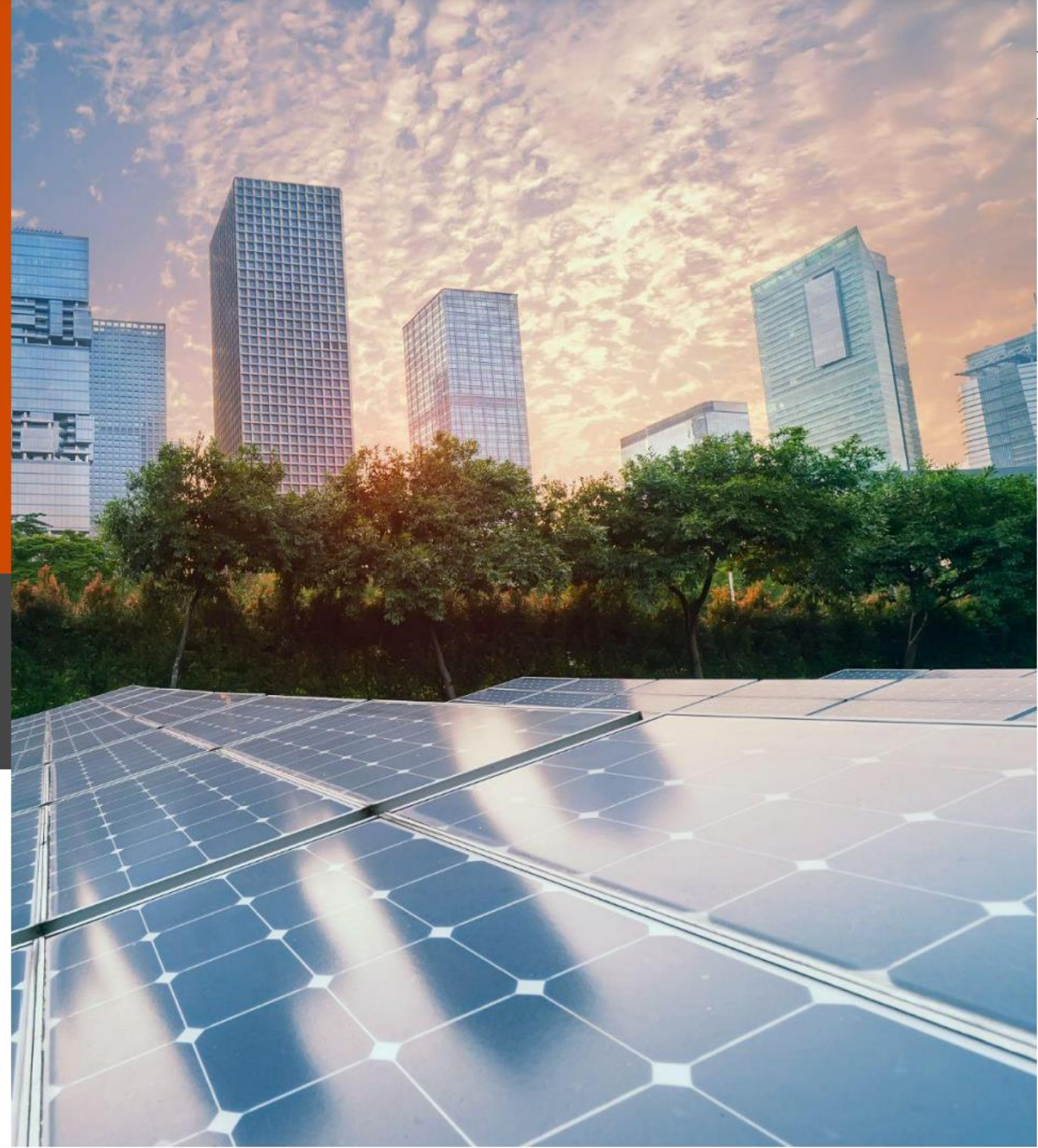
## Background

This report summarises our **findings and recommendations for IPA Test Assurance "Period 2" (P02)**, which incorporates periodic and continuous assurance fieldwork activities performed in August and September 2023. This report reflects the IPA view on 20 October 2023 and a verbal update will be provided in the PSG meeting on 30 October 2023.

Our assurance activity was risk-based and addressed two key exam questions in relation to the end-to-end Programme's readiness for M9 'SIT Start' on 30 October 2023 and also gave respondents the opportunity to raise any other additional risks, issues or blockers. **Our findings and recommendations reflect the status at the time of fieldwork** and were shared with the SRO/LDP as they were identified to enable them to be addressed in a timely manner.

## Overall Summary

Based on our assurance activities, we consider **the end-to-end Programme to be on-track to be ready for SIT CIT entry on 30 October 2023.** We have identified three recommendations which should ideally be addressed prior to the M9 milestone or immediately after but we do not consider these to be blockers for entering SIT itself. The related actions are underway by SRO/LDP and are detailed on the next slide.

We have also identified a further **33 recommendations that need to be addressed in the early stages of SIT to enable PIT CIT completion by 5 January 2024 and to support ongoing successful delivery** of the SIT phase. We do not consider these to be blockers for entering SIT itself and are not unreasonable for a programme of this size and complexity. The key findings and recommendations are detailed on the next page.

Our assessment of the end-to-end Programme's status against the key exam questions is therefore as follows:

| Is the Overall Programme on track to start SIT CIT (30 October 2023)? | Is the Overall Programme on track to complete PIT CIT (5 January 2024 for final Participants)? |
|---|---|
| GREEN | AMBER |

In parallel to our SIT CIT readiness test assurance activity, we also held deep dives with a sample of participants who are following the qualification route to assess current progress and understand any current risks and issues. Observations and recommendations from these assurance activities, including on placing reliance, will be published as an addendum at December PSG.

**Overall RAG Definitions:**

| | | |
|---|---|---|
| **GREEN:** On-track. Minor risks, issues or improvement opportunities may exist but these are not expected to impact timelines | **AMBER:** On-track with risks or issues exist but a plan is in place to address them to enable readiness for M9 | **RED:** Risks and issues exist but plans are not in place that support their resolution to enable readiness for M9 |

## Our assurance activities included:

**Continuous Assurance**

- Attending regular test related governance meetings (e.g. FTIG, TMAG)
- Reviewing test related programme artefacts as they became available during the test assurance period.
- Regular meetings with LDP, SRO, Ofgem, Core Capability Providers, as well as ad hoc meetings as required.

**Periodic Assurance**

- "Deep dives" with a sample of 11 Programme SIT Participants including the LDP to assess their status against the exam questions.
- Review of test related artefacts and documentation provide by each sampled Programme Participants to evidence their current status.
- Review of Readiness Assessment 3 output.

## Good practice observed:

- Multiple participants noted that the PPC team has provided timely and responsive support.
- Core Capability Providers have indicated high level of engagement from the SI team in the lead up to CIT Interval 1.
- All participants attended deep dives well prepared, open and receptive to our assurance activities.

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IPA**

# Executive Summary

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We have provided below the three key findings we recommend are addressed prior to the M9 milestones and the key findings to be addressed during early SIT. **These findings were identified during our assurance fieldwork and we have reflected the position as at 20 October 2023 below**. A verbal update will be provided at PSG on 30 October 2023.

| Key findings @20 October 23 | Recommendations |
|---|---|
| **Findings recommended to be addressed prior to the start of M9 or immediately after:** | |
| 1. **Misalignment between Swagger and the Interface Catalogue:** Discrepancies have been previously identified between Swagger and the Interface Catalogue. Activity is underway by the LDP, and progress reported to FTIG, to identify and reconcile the differences but any rework required by Participants may risk their readiness for SIT CIT. | LDP to complete the activity underway to identify and reconcile the differences between Interface Catalogue and Swagger. These should be published as clear and cross referenced documents that allow participants to make the necessary changes. |
| 2. **LDP resourcing:** The testing workstream has experienced resourcing challenges impacting progress of assurance over Participant PIT deliverables and creating a risk for test management activities such as defect management. Additional resource has now been onboarded to address these challenges, however, there is still a backlog of activity that needs to be cleared to meet planned delivery timescales. | LDP and SRO to complete backlog of assurance of Participant PIT deliverables and continue to monitor resource for the PIT Assurance team, Sims and Ems team, and Defect Management teams. |
| 3. **DIP Readiness:** DIP PIT testing was planned to complete on 23 October 2023, which left very little contingency should any issues and delays occur. Due to the issues with GlobalSign, DIP onboarding and connectivity proving, this is now in delay. A work off plan to address these issues prior to 30 October 2023 has been established. | LDP to closely monitor resolution of DIP issues and develop a contingency plan if further delays occur. |
| **Key findings to be addressed for PIT CIT completion and to support ongoing successful delivery of the phase:** | |
| 4. **Test management and reporting:** Accurate and trusted test management is critical to the success of SIT, and while progress has been made there are still areas that need attention, such as reporting cycles, reporting formats, and ensuring correct interpretation. | We have raised a number of related recommendations in our detailed report including:<br>• Testing the reporting process as early as possible to identify any potential issues<br>• Establishing and communicate the reporting cycles<br>• Establishing a process to convert defects into queries. |
| 5. **Uncertainty on future SIT phases:** The SIT CIT and Functional Test Approach and Plan artefacts have been published, the SIT Migration Test Approach and Plan artefact consultation is delayed by a week, and the SIT NFT and SIT Operational Test Approach and Plan artefacts are due next year. However, not all Participants are aware of what detail is currently available or when further detail will be available on these three future SIT phases. This is impacting their ability to plan and contract effectively, and risks their readiness for these phases and subsequent delivery. | LDP to continue to reiterate on an ongoing basis through the appropriate forums which artefacts, milestones and roadmaps are already available and future dates for those not yet available. We understand is planned to be done at upcoming FTIG and TMAG forums. This will support participants to better understand what information is due when, and enable any dependencies to be effectively managed. |
| 6. **Forward governance:** As the Programme transitions from individual delivery to multi-party testing, the governance arrangements will need to evolve to ensure they remain relevant and effective. For example, the size and focus of FTIG, a potential FTIG equivalent for non-SIT participants, and where detailed delivery progress will be tracked. | SRO to review governance arrangements as the Programme moves into SIT testing to make sure they remain effective, relevant, and robust to the programme's activities. |

October 2023

# Executive Summary

## Our approach for to rating readiness

We provided each of our sampled participants with an readiness rating for each exam questions, and any other risks or issues raised. Our ratings were based on where we would expect each individual organisation to be in relation to their role on the Programme and the intervals they were taking part in. These ratings are shown in the table below. The amber ratings observed were related to:

- **P02.01**: Observations as raised in key findings
- **P02.02**: A need for Participants to be educated on how the new new settlement calculation works to reduce the risks of 'false positives' being raised as defects during SIT.
- **P02.04**: Tight timelines ahead of SIT-CIT, and participants will need educating on new systems and processes
- **P02.05**: Tight timelines and minimal contingency to deliver by deadlines

We then provided a end-to-end Programme level status by aggregating the ratings of each individual participant (including Core Capability Providers and LDP) and assessing how many recommendations had been provided for each area, as well as their criticality rating. This has allowed us to give a holistic, pragmatic, and proportionate view that took into account delivery to date, and the scale and scope of the activity that would be required to meet M9.

| Participant rating @20 October 2023 | Overall | Participants (in random order) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Overall readiness | End-to-end Programme | P02.01 | P02.02 | P02.03 | P02.04 | P02.05 | P02.06 | P02.07 | P02.08 | P02.09 | P02.10 | P02.11 |
| Is the Programme on track to start SIT CIT? | Green | Green | Green | Grey | Amber | Amber | Green | Green | Green | Green | Green | Green |
| Is the Programme on track to complete PIT CIT?* | Amber | Amber | Green | Grey | Amber | Amber | Green | Green | Green | Green | Green | Green |
| Other risks or issues identified not covered by the exam questions?* | Amber | Amber | Amber | Green | Green | Green | Green | Green | Green | Green | Green | Green |

*Key underpinning findings are shared on the previous page (Findings 4, 5 and 6) and detailed observations and recommendations have been shared with SRO/LDP in our full report.

**RAG Definitions:**

| | | | |
|---|---|---|---|
| **GREEN:** On track. Minor risks, issues or improvement opportunities may exist but these are not expected to impact timelines | **AMBER:** On track with risks or issues exist but a plan is in place to address them to enable readiness for M9 | **RED:** Risks and issues exist but plans are not in place that support their resolution to enable readiness for M9 | **Grey : N/A.** Specific supporting evidence question not applicable to participant. |

# Ofgem View

**INFORMATION:** Verbal update from Ofgem on M9 commencement
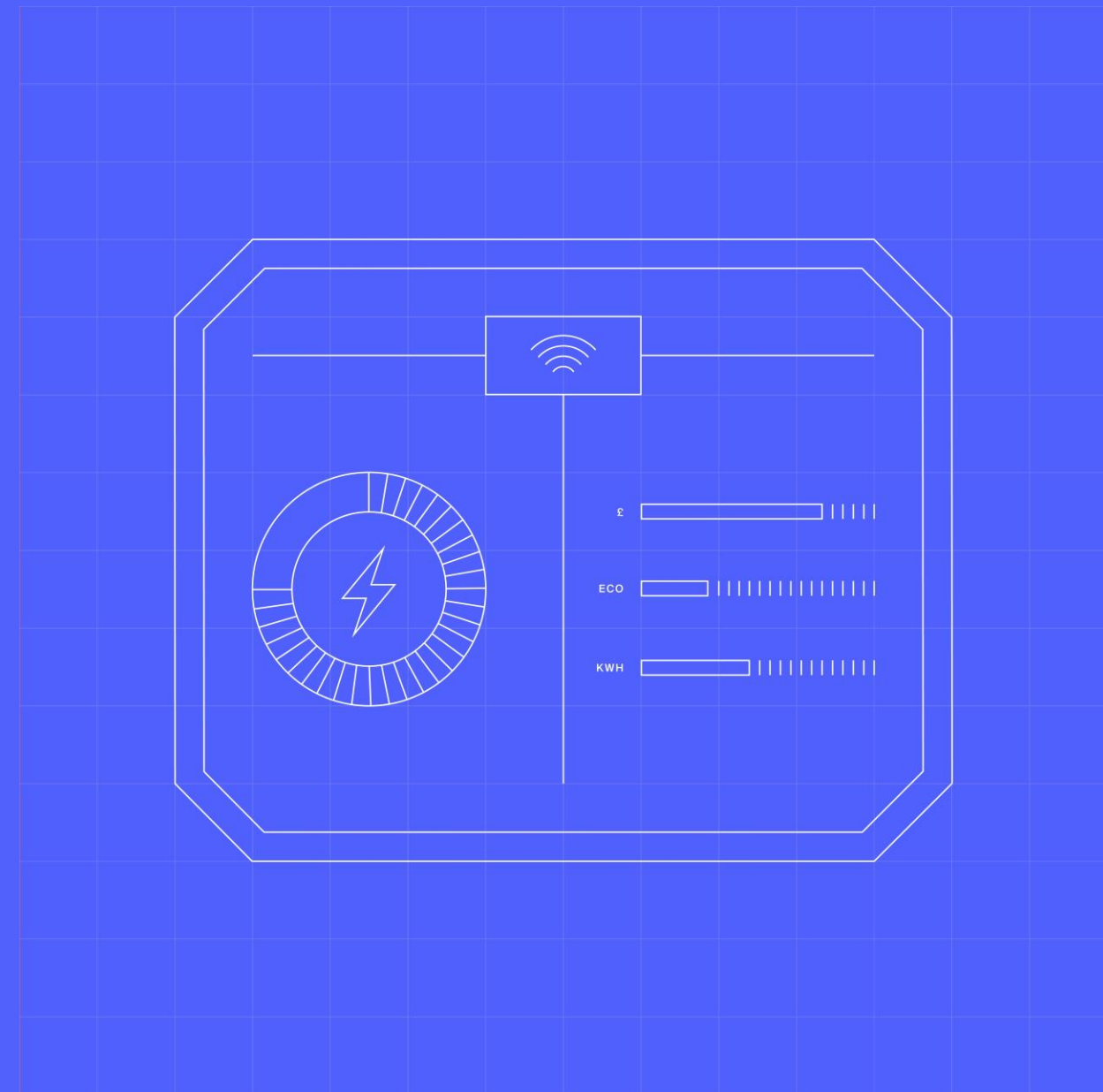
Ofgem (Melissa Giordano)

*5 mins*

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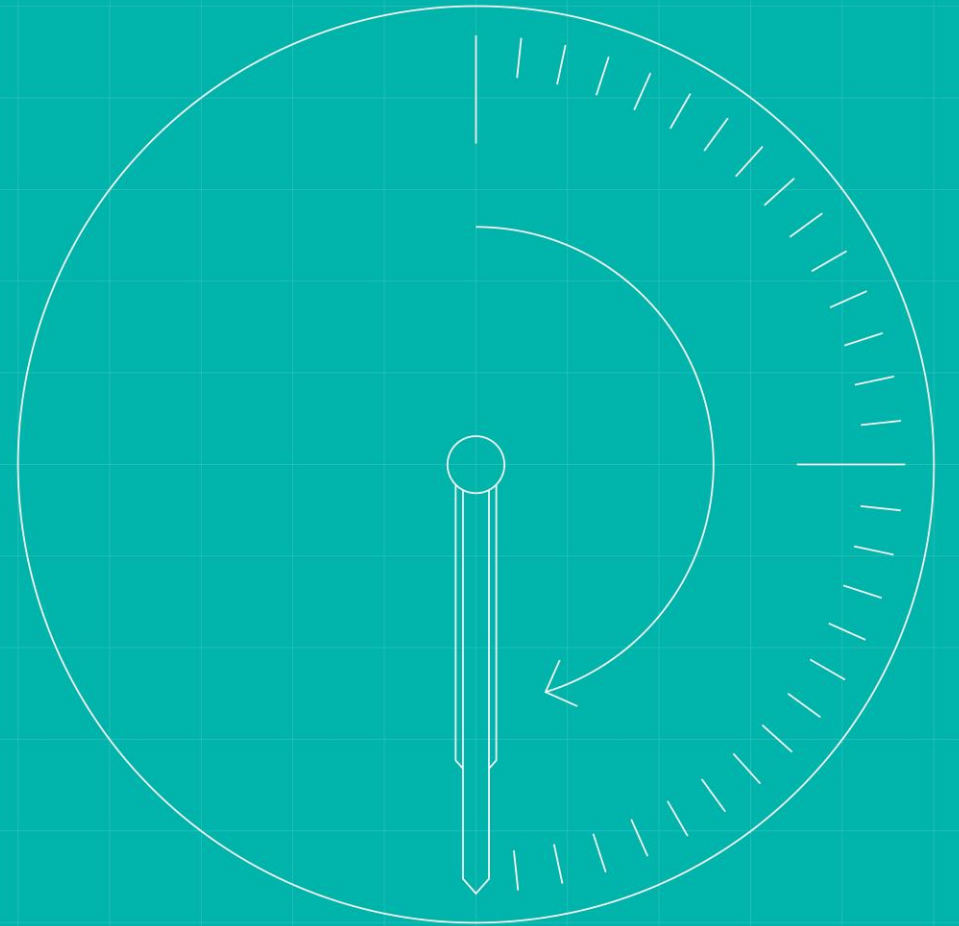
# M9 Decision

**DECISION:** PSG recommendation and SRO decision on M9

Chair

*5 mins*

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## M9 Decision

The SRO approves the Tier 1 milestone T1-TE-1000 (System Integration Testing Start (M9)) based on the following:

- T2-TE-0250 and T3-TE-0060 milestone approvals from TMAG
- The adequacy of Participant and Programme readiness information
- IPA recommendations and Ofgem's view

### Next Steps

- The decision will be communicated to all Programme participants
- SIT will commence with CIT Interval 1 on 30 October 2023
- Regular updates will be provided to the PSG, FTIG, SITWG and other relevant groups on SIT progress
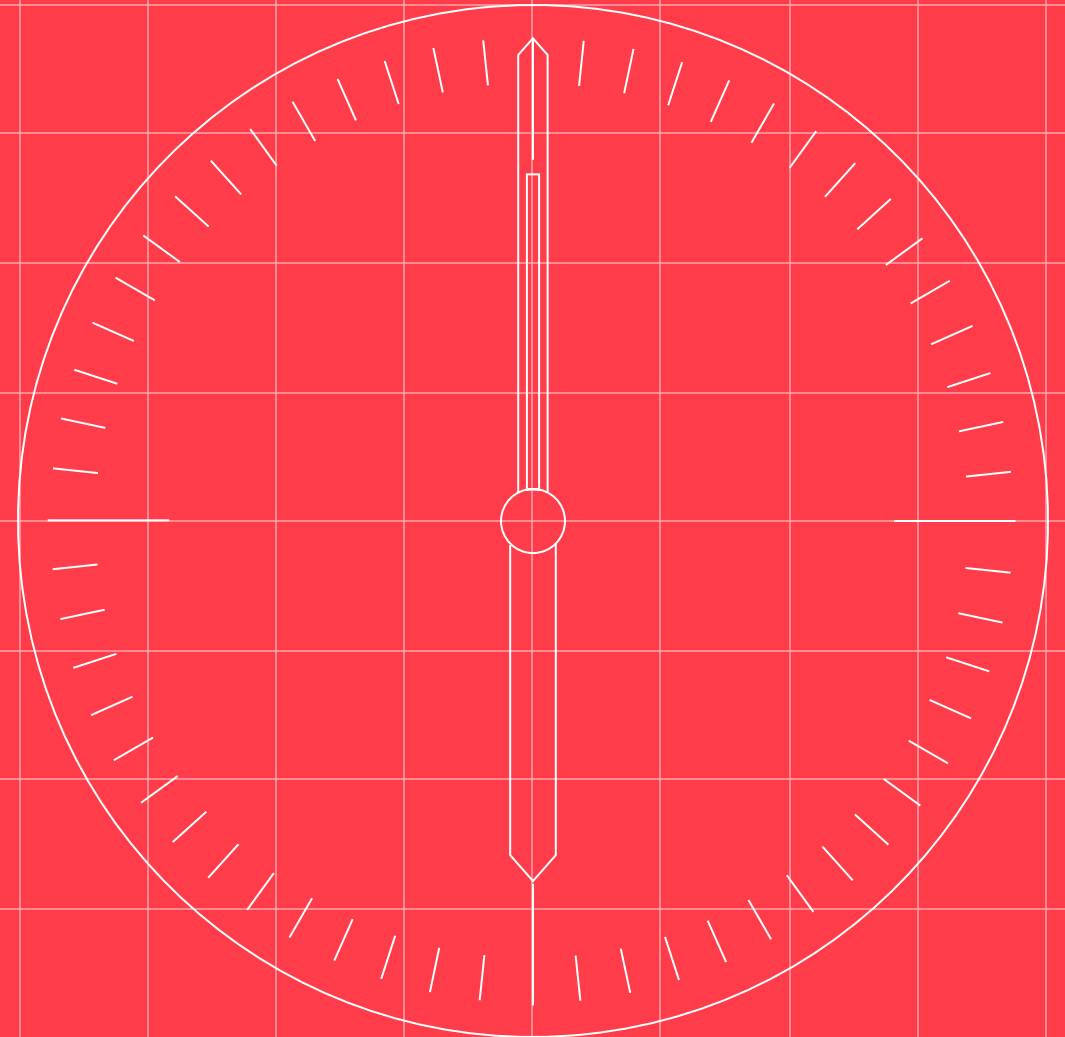
The SRO would like to thank PSG members and Programme participants for their efforts and contributions to this important Programme milestone

# Summary and Next Steps

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

*Chair and Secretariat*

*5 mins*

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1. Confirm decisions from meeting
2. Next PSG meeting: **08 November 2023 14:00 – 16:00 (virtual)**

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

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# Thank you

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