MHHS PROGRAMME
Industry-led, Elexon facilitated

# Design Advisory Group #31
# 13 December 2023

Version 1.0

MHHS-DEL2067

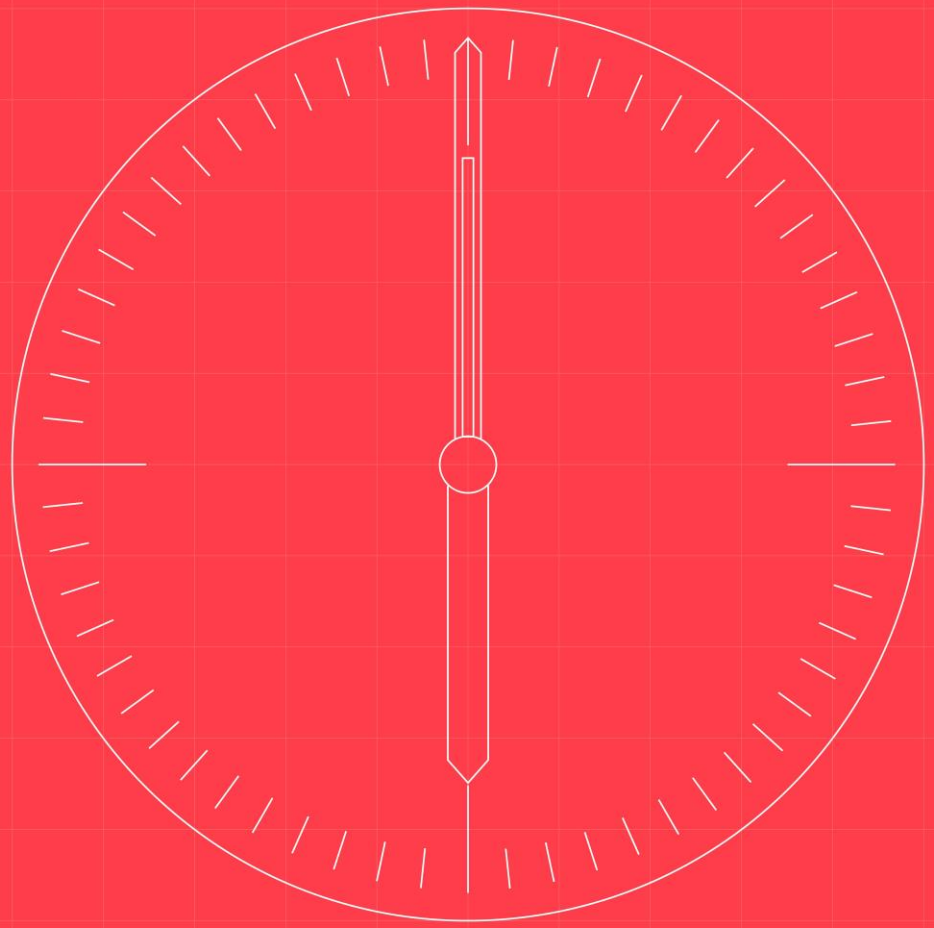
## Agenda (1 of 2)

| # | Item | Objective | Type | Lead | Time | Page |
|---|---|---|---|---|---|---|
| 1 | Welcome | Introduction to meeting and member apologies | Information | Chair | 10:00-10:05<br>*5 mins* | 1 |
| 2 | Minutes and Actions | Approval of minutes and review of actions | Decision | Secretariat | 10:05-10:25<br>*20 mins* | 4 |
| 3 | CR032 Decision | Decision on approval of CR032 | Decision | Programme (PMO) | 10:25-10:35<br>*10 mins* | 7 |
| 4 | CR034 Decision | Decision on approval of CR034 | Decision | Programme (PMO) | 10:35-10:45<br>*10 mins* | 14 |
| 5 | CR036 Decision | Decision on approval of CR036 (implementation approach and redlining) | Decision | Programme (PMO) | 10:45-11:15<br>*30 mins* | 20 |
| 6 | Release Management During Testing and Code Deployment | Information on management of design releases during testing and code deployment | Information | Programme (Paul Pettitt) | 11:15-11:35<br>*20 mins* | 28 |
| 7 | Design (DIN) | Updates on Design (DIN) | Information | Programme (Paul Pettitt) | 11:35-11:45<br>*10 mins* | 36 |
| 8 | Top Programme Risks related to DAG | Update on the top Programme Risks related to DAG | Information | Programme (PMO) | 11:45-11:50<br>*5 mins* | 39 |
| 9 | Upcoming Programme Milestones related to DAG | Update on the upcoming Programme Milestones related to DAG | Information | Programme (PMO) | 11:50-11:55<br>*5 mins* | 41 |
| 10 | Programme Updates | Updates from other MHHS governance groups and wider Programme updates | Information | Programme (PMO) | 11:55-12:05<br>*10 mins* | 43 |

## Agenda (2 of 2)

| # | Item | Objective | Type | Lead | Time | Page |
|---|---|---|---|---|---|---|
| 11 | **Summary and Next Steps** | Summarise key discussions, actions, and next steps | Information | Chair & Secretariat | 12:05-12:15<br>*10 mins* | 45 |
| | **Appendices / Attachments**<br>Attachment 1 – CR032 Change to Interface MHHS-IF-165 P0210 TUoS Reporting v2.3<br>Attachment 2 – CR034 Delay to Elexon Level 4 validation response v1.2<br>Attachment 3 – MHHS-DEL1955 CR036 - Use of Clock Midnight for Appointments and Reads v1.1 | | | | | |

# Minutes and Actions



**DECISION**: Approval of minutes and review of actions

*Secretariat*

*20 mins*

## Minutes and Actions Review (1 of 2)

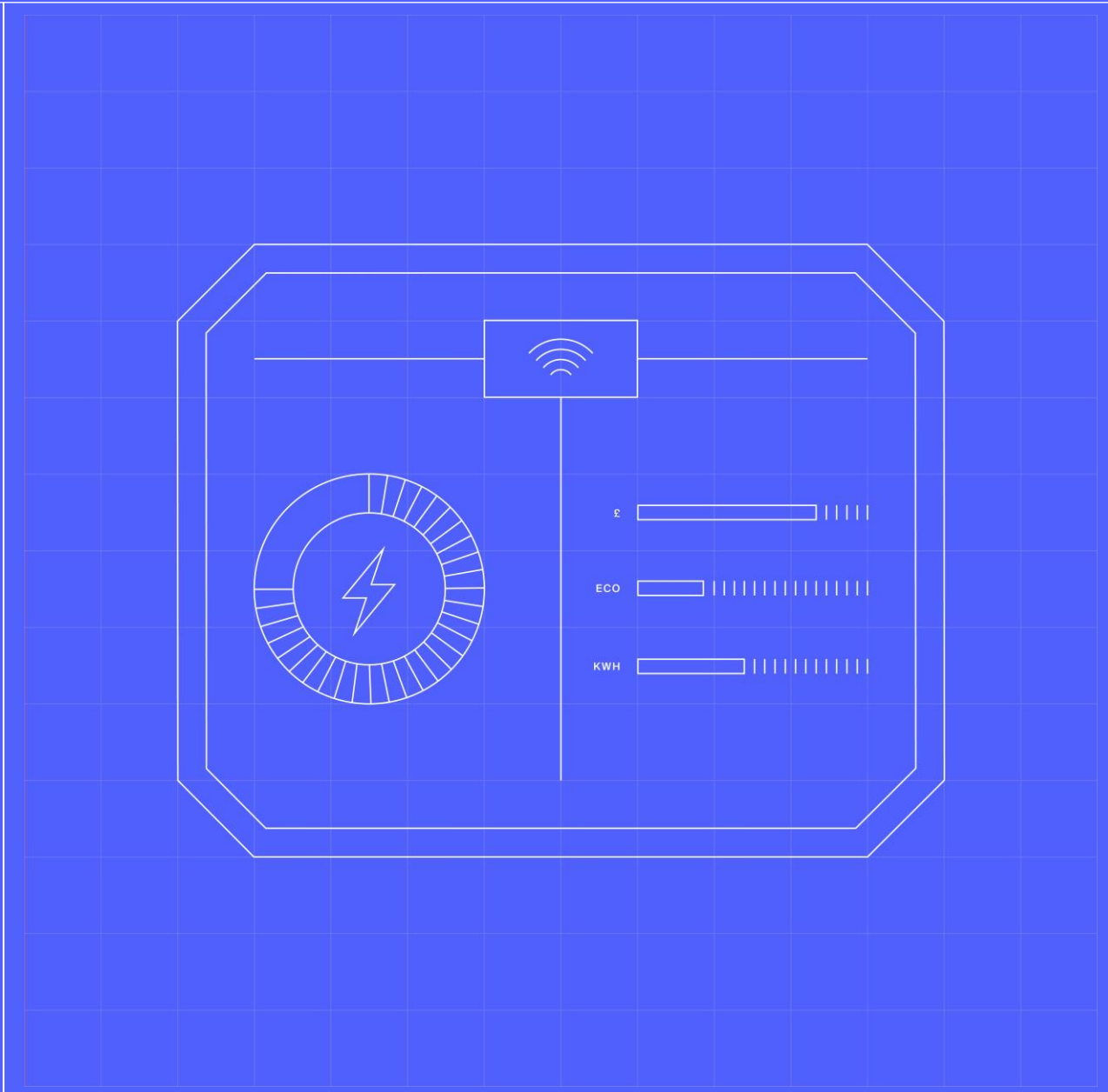
- Approve Headline Report and Minutes of DAG held 13 November 2023 (**DECISION [83]**)
- Review outstanding actions:

| Ref | Action | Owner | Due | Latest update |
|---|---|---|---|---|
| DAG27-08 | Programme to confirm version incrementing arrangements for data flows and scenario variants changing as a result of MHHS | Programme (Matt McKeon) | 13/09/2023 | ONGOING: Action is ongoing until October when the Data Specification code drafting is published. Update to be provided in meeting. |
| DAG28-04 | Programme to raise Design Issue Notifications (DINs) for the implementation of CR024 and CR025 | Programme (Berlinda Kugara) | 15/09/2023 | RECOMMEND CLOSED Discussed with RECCo. Update to be provided under Agenda Item 6. Decision to be made on whether action closed. |
| DAG28-12 | Programme to provide update on the retrospective amendments process issue and raise for discussion at the DRG meeting | Programme (Paul Pettitt) | 11/10/2023 | RECOMMEND CLOSED: The Programme held initial discussions with LDSOs on 07 November 2023. The outcomes were taken to a DRG session for wider discussion on 24-Nov and were issued for final comment on the proposed design by 11 December 2023. |
| DAG29-04 | Programme to consider the provision of regular updates to DAG on the interaction of design/testing releases | Programme (Paul Pettitt & Lee Cox) | 08/11/2023 | ONGOING: This will be taken to an FTIG session on 23 November 2023. The slide deck and updates to the DIN logs and testing areas on the Programme Collaboration Base ahead of wider industry discussion. |
| DAG29-05 | Programme to review the Programme Change Request template and ensure a view is provided alongside new CRs on the implementation/release outlook | Programme (PMO) | 08/11/2023 | ONGOING: Under review with Programme Change Lead. Updates to be provided at next meeting. |
| DAG30-01 | Programme to share response on ACTION DAG29-08 with DAG members | Programme (Paul Pettitt) | 13/11/2023 | RECOMMEND CLOSED: Response shared in Headline Report and Minutes of DAG 13 November 2023. |
| DAG30-02 | NGESO to amend Programme Change Request 032 (Change to Interface IF-165 P0210 TUoS Reporting) to include the specification of the proposed P210 report replacement and resubmit to the Programme for issuance to Impact Assessment (see ACTION DAG30-03). | NGESO Representative (Daniel Arrowsmith) | ASAP | RECOMMEND CLOSED: Updated CR received and issued for Impact Assessment. Response deadline 5pm 05 December 2023. |
| DAG30-03 | Programme to issue Programme Change Request 032 (Change to Interface IF-165 P0210 TUoS Reporting) for further five working day Impact Assessment, following receipt of updates from NGESO (see ACTION DAG30-02). | Programme (PMO) | ASAP | RECOMMEND CLOSED: Updated CR received and issued for Impact Assessment. Response deadline 5pm 05 December 2023. |

## Minutes and Actions Review (2 of 2)

| Ref | Action | Owner | Due | Latest update |
|---|---|---|---|---|
| DAG30-04 | Programme to publish UTC vs Clock Time PPIR responses summary and proposed design artefact changes | Programme (PMO) | 13/11/2023 | RECOMMEND CLOSED: Summary published alongside Headline Report and Minutes of DAG 13 November 2023. |
| DAG30-05 | Programme to raise a Programme Change Request to enable formal Impact Assessment of Options 2 and 2a relating to the use of Clock Time for Change of Supplier reads and service appointments | Programme (Matt Hall) | ASAP | RECOMMEND CLOSED: CR036 raised and issued 27 November 2023. |
| DAG30-06 | Programme to discuss the proposed drafting of changes to the Design Artefacts to implement Options 2 and 2a relating to the use of Clock Time for Change of Supplier reads and service appointments at the Design Resolution Group | Programme (Paul Pettitt) | ASAP | RECOMMEND CLOSED: This meeting was held at a DRG session on 24 November 2023. |

# CR032 Decision




**DECISION:** Decision on approval of CR032, following 2nd impact assessment

*Programme (PMO)*

*10 mins*

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## CR032 v2 – 2nd Impact Assessment Summary

**Objective:**

**DAG to review the outputs of the reissued CR032 Impact Assessments and advise SRO on their decision to approve or reject the Change Request.**

**Headlines:**

- Response rates to the reissued CR032 Impact Assessment were low, with a mixture of support of and objection to the implementation of the Change Request.
- Overall: **3 respondents supported the change; 2 respondents rejected the change; and 2 respondents abstained.**

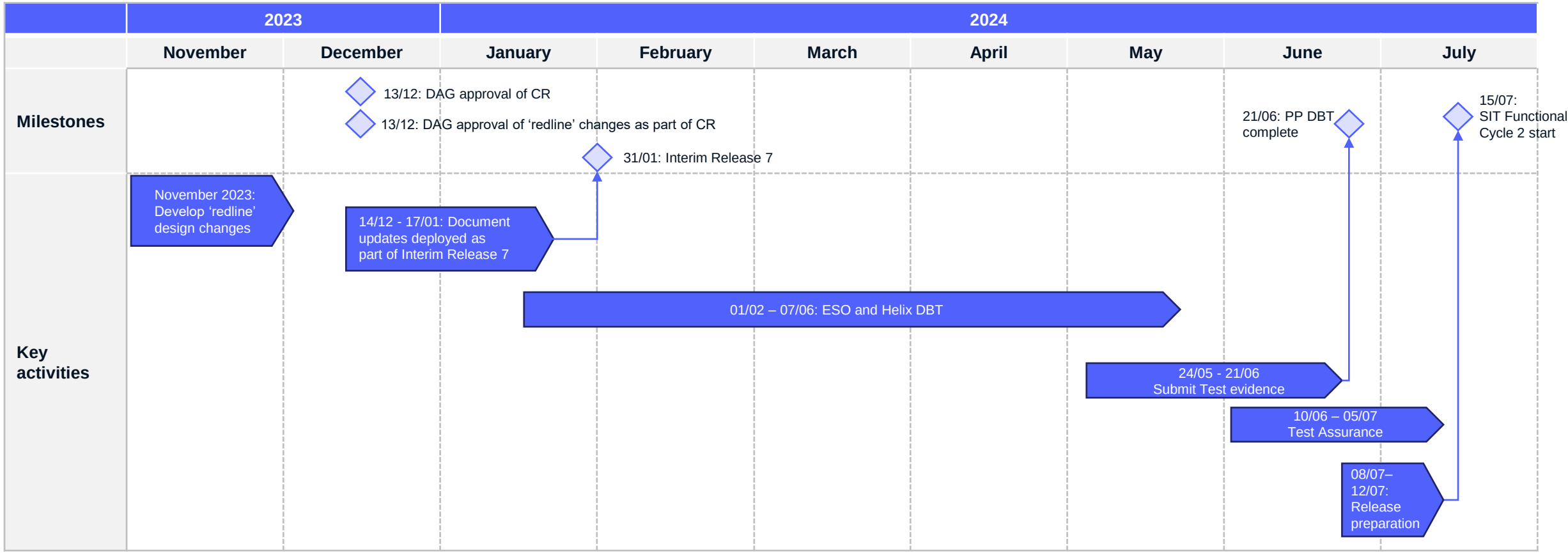
- **The supporters of the change highlighted the following items/themes to support their decision:**
  - The updated copy of the Change Request resolves the design gap identified in the original Change Request.
  - The change should only impact the ESO and Elexon.

- **The respondents who voted against the Change Request did so on the following basis:**
  - The change creates complexities in code arrangements, specifically the BSC.
  - There are data items which were originally present in the ELEX REP 080 which are not present in the P0210, which would be beneficial for migration and could improve supplier validation on TNUOS charges.
  - It needs to be ensured that the work of the TNUOS taskforce is aligned with this change.
  - NGESO should not have to achieve lower targets than other Programme Participants. The change is seen as a precedent setter which introduces a standard that the Programme should be prepared to accept any MHHS design change if a party believes that it can reduce its cost, effort & complexity by doing so.

# CR032 v2 – Implementation Plan

## Summary

- The design updates required for CR032 are complete and the redlined changes have been made by the Design Management team.
- These changes will be included for publication into Interim Release 7 on 31 January 2024.
- Design changes in Interim Release 7 will be deployed into testing at SIT Functional Cycle 2, scheduled currently for July 2024.
- This will allow testing of the functionality for CR032 at the start of SIT Functional Cycle 2.



# CR032 v2 – Submitted Impact Assessments

| Programme Parties | CR032 v2 Recommendations | | | | Market Share | | | |
|---|---|---|---|---|---|---|---|---|
| | Yes | No | Abstain | No Reply | Yes | No | Abstain | No Reply |
| Large Suppliers | - | 1 | - | 4 | - | 24% | - | 76% |
| Medium Suppliers | 1 | - | - | 6 | 6% | - | - | 94% |
| Small Suppliers | - | - | - | 33 | - | - | - | 100% |
| I&C | - | 1 | - | 40 | 20% | - | - | 80% |
| DNOs | - | - | 1 | 5 | | | | |
| iDNOs | - | - | - | 13 | | | | |
| Ind. Agents | - | - | - | 47 | | | | |
| Supplier Agents | - | - | - | 7 | | | | |
| S/W Providers | - | - | - | 24 | | | | |
| REC Code Manager | - | - | - | 1 | | | | |
| National Grid ESO | 1 | - | - | - | | | | |
| Consumer | - | - | - | 1 | | | | |
| Elexon (Helix) | - | - | - | 1 | | | | |
| DCC | - | - | 1 | - | | | | |
| SRO / IM & LDP | 1 | - | - | - | | | | |
| IPA | - | - | - | 1 | | | | |
| Avanade | - | - | - | 1 | | | | |
| ***Totals*** | **3** | **2** | **2** | **182** | | | | |

Market Share information is according to the latest Meter Point Administration Number (MPAN) data held by the Programme as of August 2023. Market Share has not been provided for constituencies where MPAN data is not currently available.

**Notes:**

The classification of Independent and Supplier Agents is maintained by the Programme Party Coordinator and is subject to change.

Rationale for being marked down as abstained:

- Smart DCC and one DNO abstained from responding because the Change Request does not impact them.

## CR032 v2 Impacts – Views on the proposed approach (Page 1)

| Programme Parties | Range of respondents' views on benefits and concerns (related to the approach in CR032 v2) |
|---|---|
| **Large Suppliers** | – The one responding Large Supplier rejected the implementation of the Change Request.<br>– They argue it creates complexities in code arrangements, specifically the BSC.<br>– Storage connected components, which were present in the initial ELEX REP 080 design are not present in the P0210. These are a key part of the energy transition. They note that other data items, which added value, were originally present in the ELEX REP 080 proposal and are not in the P0210.<br>– It needs to be ensured that the work of the TNUOS taskforce is aligned with this change.<br>– Suppliers currently have to attempt to validate TNUOS changes from other data sources, as P210 data isn't reliable enough. |
| **Medium Suppliers** | + The one responding Medium Supplier supported the implementation of the Change Request.<br>▪ They did not provide any supporting statements as they acknowledged that the file is received by ESO only. |
| **Small Suppliers** | *Did not respond.* |
| **I&C** | – The one responding I&C Supplier rejected the implementation of the Change Request.<br>– There are data items which were originally present in the ELEX REP 080 which are not present in the P0210, which would be beneficial for migration and could improve supplier validation on TNUOS charges.<br>– NGESO should not have to achieve lower targets than other Programme Participants.<br>– The change signals a code led approach, which is not acceptable.<br>– The change creates other complexities in code arrangements, specifically the BSC.<br>– It is unclear what the TNUOS taskforce inputs have been into the change, if any, with no direct engagement.<br>– The change is a precedent setter. In the event it is approved, the Programme should be prepared to accept MHHS design change if a party believes that it can reduce its cost, effort & complexity by doing so. |
| **DNOs** | ▪ The one responding DNO abstained from voting on the Change Request as they are not impacted by the proposed change. |
| **iDNOs** | *Did not respond.* |
| **Agents** | *Did not respond.* |

## CR032 v2 Impacts – Views on the proposed approach (Page 2)

| Programme Parties | Range of respondents' views on benefits and concerns (related to the approach in CR032 v2) |
|---|---|
| **S/W Providers** | *Did not respond.* |
| **REC Code Manager** | *Did not respond.* |
| **National Grid ESO** | + As the Change Raiser, National Grid ESO are in favour of the implementation of the Change Request. |
| **Consumer** | *Did not respond.* |
| **Elexon (Helix)** | *Did not respond.* |
| **SRO / IM & LDP** | + The Programme is supportive of the implementation of the Change Request, based on the assumption that the change will be implemented into the design baseline.<br>+ The Programme is satisfied that the updated copy of the Change Request resolves the design gap identified in the original Change Request.<br>▪ The one responding DNO abstained from voting on the Change Request as they are not impacted by the proposed change.<br>▪ The Programme notes that the following corrections should be made when the change is implemented:<br>o Under Elexon – Change Detail, "The current L0055 and the P0210 contain the "Measurement Class" Data Item, which is currently mastered by LDSOs when first registering an MPAN." should be replaced with "The current L0055 and the P0210 contain the "Measurement Class" Data Item".<br>o "Domestic Indicator" should be replaced with "Domestic Premise Indicator".<br>o The Domestic Premise Indicator should = True or False, not = Y or N.<br>▪ The Programme would require the change to be implemented in Interim Release 7 in January 2024, so that the changes are in place to be tested it SIT Functional Cycle 2 in July 2024.<br>▪ The Design work redlining has already been completed, however there will be a requirement for Code Drafting to make updates to recognise the P0210 file in place of ELEX005. |
| **IPA** | *Did not respond.* |
| **Avanade** | *Did not respond.* |

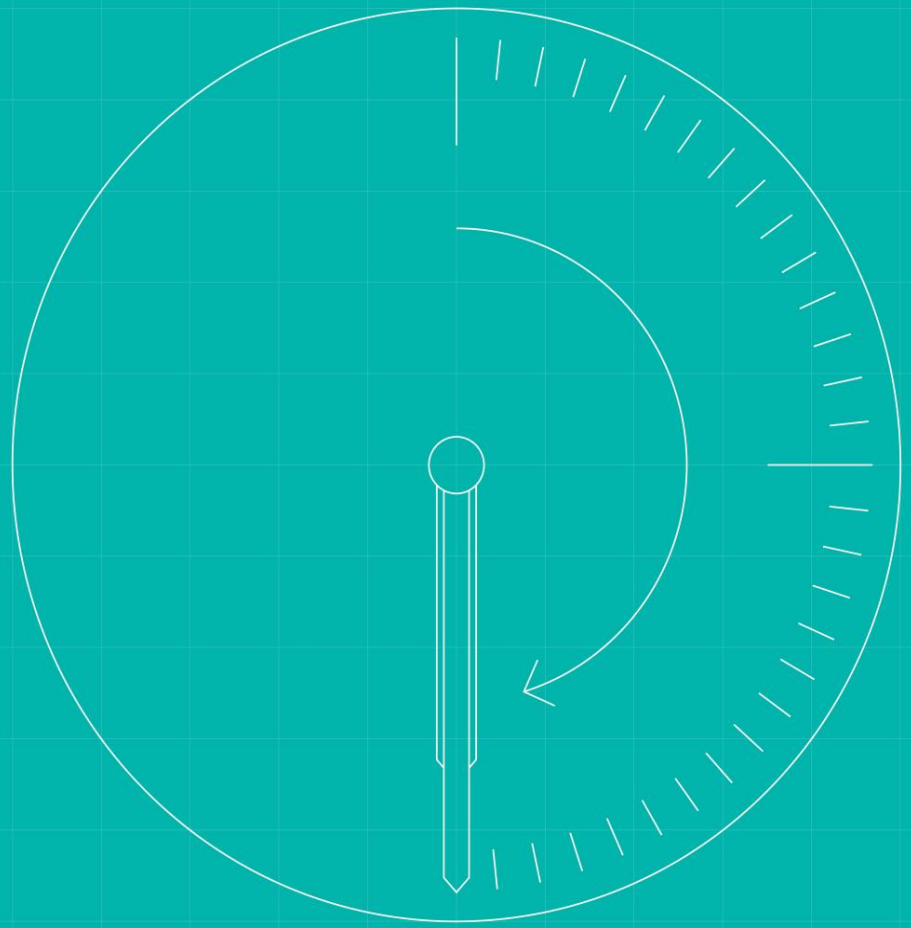
## DAG Decision on CR032 'Change to Interface MHHS-IF-165 P0210 TUoS Reporting'

The DAG are requested to advise SRO on their decision to approve or reject CR032:

| | |
|---|---|
| **DECISION [84]** | **SRO to approve/reject the CR032 'Change to Interface MHHS-IF-165 P0210 TUoS Reporting'** |

Confirmation of next steps will be provided following the decision

# CR034 Decision



**DECISION:** Decision on approval of CR034

*Programme (PMO)*

*10 mins*

## CR034 – Impact Assessment summary

**Objective:**

**DAG to review the outputs of the issued CR034 Impact Assessments and advise SRO on their decision to approve or reject the Change Request.**

**Headlines:**

- Response to the CR034 Impact Assessment were mixed between support of and objection to the implementation of the Change Request.
- Overall: **10 respondents supported the change; 8 respondents rejected the change; and 1 respondent abstained.**
- **The supporters of the change highlighted the following items/themes to support their decision:**
  - The change will have minimal impacts on other parties, as it will impact Helix alone as the Change Raiser.
- **The respondents who voted against the Change Request did so on the following basis:**
  - The proposed wording impacts the Registration Service and conflicts with CR018 and MHHS-DIN-676 which proposes to change E2E1009 to align with CR018.
  - One respondent argued that slowing response times lowers ambition as part of the transition to Net Zero.
- **Programme action re comments:**
  - Following a number of rejections from LDSOs, the Programme met with the Change Raiser, St Clements, and the DAG DNO rep, to confirm that **the change will apply to Helix only** (and will therefore not conflict with CR018 and MHHS-DIN-676). This resolved a number of the rejections
- **Programme implementation plan:**
  - If the change is approved, it will be implemented in Interim Release 7, on 31st January 2024. This will ensure the change is ready for NFT Cycle 2 in June 2024.
  - The Programme has drafted a redlined version of the NFR documentation, **explicitly noting that the NFR has changed for Helix only**.

## CR034 – Submitted Impact Assessments

| Programme Parties | CR032 Recommendations | | | | Market Share | | | |
|---|---|---|---|---|---|---|---|---|
| | Yes | No | Abstain | No Reply | Yes | No | Abstain | No Reply |
| **Large Suppliers** | 2 | 1 | - | 2 | 41% | 29% | - | 30% |
| **Medium Suppliers** | 1 | - | - | 6 | 10% | - | - | 90% |
| **Small Suppliers** | - | - | - | 33 | - | - | - | 100% |
| **I&C** | 1 | - | - | 40 | 32% | - | - | 68% |
| **DNOs** | 1 | 3 | - | 2 | | | | |
| **iDNOs** | - | 2 | - | 11 | | | | |
| **Ind. Agents** | 2 | 1 | - | 44 | | | | |
| **Supplier Agents** | - | - | - | 7 | | | | |
| **S/W Providers** | 1 | 1 | - | 23 | | | | |
| **REC Code Manager** | - | - | - | 1 | | | | |
| **National Grid ESO** | - | - | - | 1 | | | | |
| **Consumer** | - | - | - | 1 | | | | |
| **Elexon (Helix)** | 1 | - | - | - | | | | |
| **DCC** | - | - | 1 | - | | | | |
| **SRO / IM & LDP** | 1 | - | - | - | | | | |
| **IPA** | - | - | - | 1 | | | | |
| **Avanade** | - | - | - | 1 | | | | |
| ***Totals*** | **10** | **8** | **1** | **173** | | | | |

Market Share information is according to the latest Meter Point Administration Number (MPAN) data held by the Programme as of August 2023. Market Share has not been provided for constituencies where MPAN data is not currently available.

**Notes:**

The classification of Independent and Supplier Agents is maintained by the Programme Party Coordinator and is subject to change.

Rationale for being marked down as abstained:

- One DNO abstained from providing a recommendation as the proposed changes do not impact them.

## CR034 Impacts – Views on the proposed approach (Page 1)

| Programme Parties | Range of respondents' views on benefits and concerns (related to the approach in CR034) |
|---|---|
| **Large Suppliers** | + Two of the three responding Large Suppliers supported the implementation of the Change Request.<br>+ They anticipated no material impact on their services as a result of the change.<br>– One responding Large Supplier rejected the implementation of the Change Request.<br>– The rejecting respondent did so on the basis that not all impacted flows were addressed within the Change Request to determine if the delay in response times would cause an impact to processing timelines downstream, so they felt unable to fully assess the impacts of the change.<br>▪ The Programme notes that this Change Request applies to all messages processed by Helix. |
| **Medium Suppliers** | + The one responding Medium Supplier supported the implementation of the Change Request. |
| **Small Suppliers** | *Did not respond.* |
| **I&C** | + The one responding I&C supplier supported the implementation of the Change Request.<br>▪ They queried whether an immediate asynchronous ACK[nowledgement] would be returned on receipt of payload. |
| **DNOs** | + One of the four responding DNOs supported the implementation of the Change Request. They did so following clarification that the change would apply to Helix as the Change Raiser only.<br>– Three of the four responding DNOs rejected the implementation of the Change Request.<br>– They rejected the change on the basis that the proposed wording impacts the Registration Service and conflicts with CR018 and MHHS-DIN-676 which proposes to change E2E1009 to align with CR018. |
| **iDNOs** | – Both of the responding iDNOs rejected the implementation of the Change Request.<br>– They rejected the change on the basis that the Proposed wording impacts the Registration Service and conflicts with CR018 and MHHS-DIN-676 which proposes to change E2E1009 to align with CR018. |
| **Agents** | + Two of the three responding Agents supported the implementation of the Change Request.<br>+ The change would have no impact upon their solutions.<br>– One responding Agent rejected the implementation of the Change Request.<br>– They did so on the basis that they have invested in cutting edge technology to deliver near real time responsiveness to play their part in the transition to the smart grid and overall government Net Zero ambitions. They state that they are not supportive of any change which lowers ambition as part of the transition to Net Zero.<br>▪ One supporter of the change stated that they believe the proposed wording should not exclude IF-021, as these are not currently excluded. |

## CR034 Impacts – Views on the proposed approach (Page 2)

| Programme Parties | Range of respondents' views on benefits and concerns (related to the approach in CR034) |
|---|---|
| **S/W Providers** | + One of the two responding Software Providers supported the implementation of the Change Request.<br>+ They stated that the change would not impact them.<br>– One Software Provider rejected the implementation of the Change Request.<br>– They did so on the basis that the Proposed wording impacts the Registration Service and conflicts with CR018 and MHHS-DIN-676 which proposes to change E2E1009 to align with CR018. |
| **REC Code Manager** | *Did not respond.* |
| **National Grid ESO** | *Did not respond.* |
| **Consumer** | *Did not respond.* |
| **Elexon (Helix)** | + As the Change Raiser, Helix are in favour of the implementation of the Change Request. |
| **SRO / IM & LDP** | + The Programme supports the implementation of the Change Request.<br>+ The change only impacts Helix, so should have minimal consequences.<br>▪ If approved, the change will be implemented in Interim Release 7, in preparation for NFT Cycle 2. The Programme has drafted a redlined version of the NFR documentation, explicitly noting that the requirement has changed for Helix only. |
| **IPA** | *Did not respond.* |
| **Avanade** | *Did not respond.* |

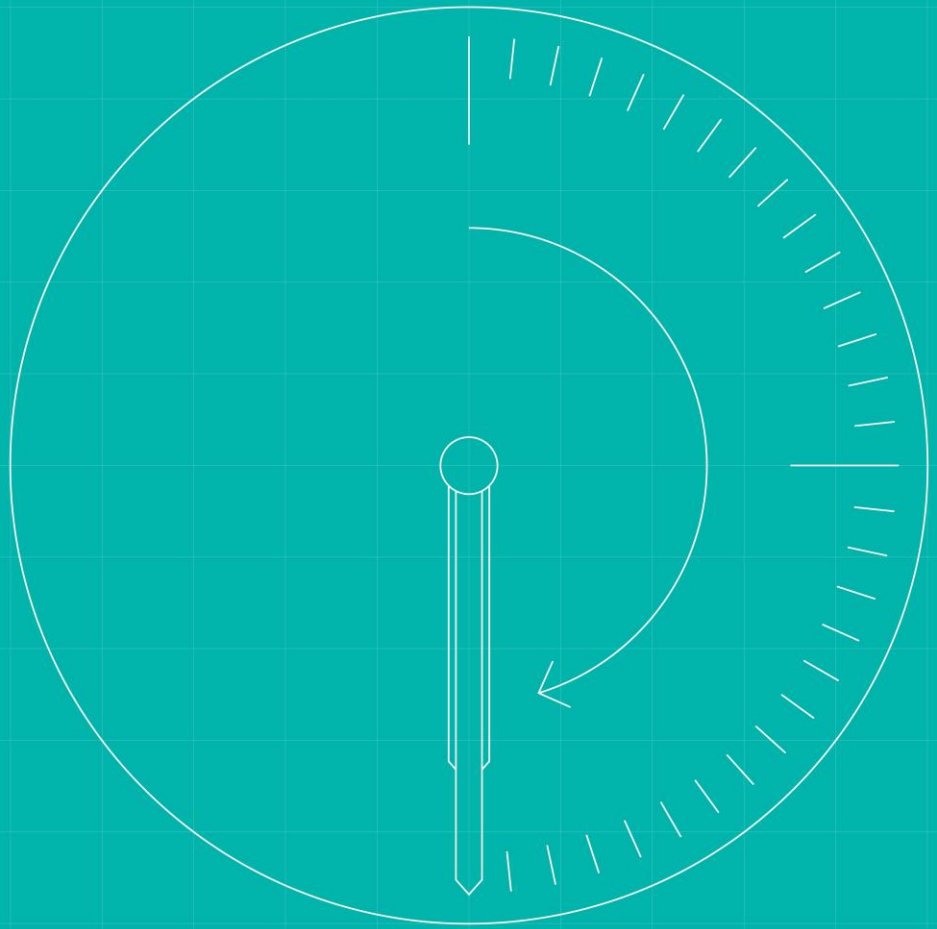
## DAG Decision on CR034 'Delay to Elexon Level 3 validation response – NFR (1009)'

The DAG are requested to advise SRO on their decision to approve or reject CR032:

| | |
|---|---|
| **DECISION [85]** | **SRO to approve/reject the CR034 'Delay to Elexon Level 3 validation response – NFR (1009)'** |

Confirmation of next steps will be provided following the decision

# CR036 Decision



**DECISION:** Decision on approval of CR036

*Programme (PMO)*

*30 mins*

## CR036 – Impact Assessment Summary

**Objective:**

**DAG to review the outputs of the issued CR036 Impact Assessments and advise SRO on their decision to approve or reject the redlining in the Change Request.**

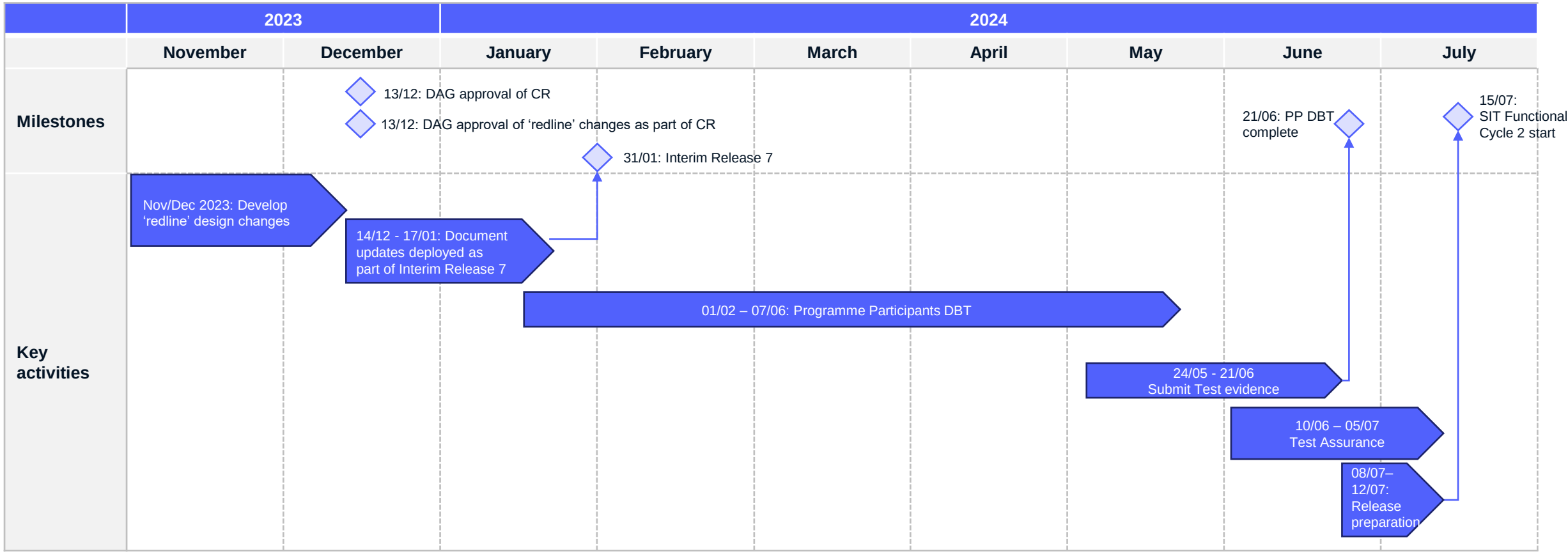
**Headlines:**

- Overall: **6 respondents supported the change; 9 respondents rejected the change; and 5 respondents abstained.**
- **It is noted by the Programme that the majority of those rejecting the Change Request did so on the basis that they do not support the change to Clock Time. This is a decision that has already been agreed and was not an intended outcome of the Impact Assessment.**
- **Of the 9 respondents who voted against the Change Request, 5 made comments on the redlining. The Programme is addressing these concerns ahead of DAG.**
- **Those who rejected did so on the following basis:**
    - The Change Request lacked the detail required for such a significant change, and the Programme has not fully explained the rationale behind the change to Clock Time.
    - The MHHS Design was not ambiguous as noted. The Design Principles published on the MHHS website state that the appointment date is in UTC.
    - Implementing to Clock Time will put at risk the Programme schedule and increase workload, with an increased cost to deliver, requiring unexpected rework. Industry Participants have been working to a common understanding of UTC requirements. Changing this would result in further development work at additional cost.
    - The proposed process makes the gaining supplier wholly reliant on their losing supplier for consumption data. This creates a risk that there will be an increased need to estimate data where transfers of data fail.
    - This is a significant change at a late stage in the Programme, and may therefore have an impact on the ability of SIT participants to meet the SIT schedule, and risks wider Programme delivery.
- **Further comments:**
    - The Programme has met with a number of respondents on a bilateral basis to address specific questions or concerns raised in their Impact Assessment responses. These include minor drafting comments on the redlined design changes. There will be further opportunity to incorporate minor comments as part of the IR7 implementation process (see next slide)
    - The Programme will raise an agenda item at SITWG to establish whether Participants see the change causing any blockers to successful testing.

# CR036 – Implementation Plan

## Summary

- The detailed design for CR036 is well formed and the redlined changes have been made by the Design Management team and shared with Participants (incl. DRG discussions 24/11/23)).
- These changes will be included for publication into Interim Release 7 on 31 January 2024.
- Design changes in Interim Release 7 will be deployed into testing at SIT Functional Cycle 2, scheduled currently for July 2024.
- This will allow testing of the functionality for CR036 at the start of SIT Functional Cycle 2.



# CR036 – Submitted Impact Assessments

| Programme Parties | CR036 Recommendations | | | |
|---|---|---|---|---|
| | Yes | No | Abstain | No Reply |
| Large Suppliers | - | 3 | 1 | 1 |
| Medium Suppliers | 1 | 1 | - | 5 |
| Small Suppliers | - | - | - | 33 |
| I&C | 1 | - | 1 | 39 |
| DNOs | 2 | - | - | 4 |
| iDNOs | - | - | - | 13 |
| Ind. Agents | 1 | 3 | 1 | 42 |
| Supplier Agents | - | - | - | 7 |
| S/W Providers | - | 1 | - | 24 |
| REC Code Manager | - | 1 | - | - |
| National Grid ESO | - | - | - | 1 |
| Consumer | - | - | - | 1 |
| Elexon (Helix) | - | - | - | 1 |
| DCC | - | - | 1 | - |
| SRO / IM & LDP | 1 | - | - | - |
| IPA | - | - | 1 | - |
| Avanade | - | - | - | 1 |
| ***Totals*** | **6** | **9** | **5** | **172** |

| Market Share | | | |
|---|---|---|---|
| Yes | No | Abstain | No Reply |
| - | 64% | 24% | 12% |
| 10% | 43% | - | 47% |
| - | - | - | 100% |
| 3% | - | 20% | 77% |

Market Share information is according to the latest Meter Point Administration Number (MPAN) data held by the Programme as of August 2023. Market Share has not been provided for constituencies where MPAN data is not currently available.

**Notes:**

The classification of Independent and Supplier Agents is maintained by the Programme Party Coordinator and is subject to change.

Rationale for being marked down as abstained:

- Two suppliers abstained from providing a recommendation due to the 5 working day Impact Assessment window.
- The IPA and DCC are comfortable that the change request is not expected to have an impact on their activities.
- One Agent abstained, as without clarity on the changes to the baselined documents, they found it impossible to fully assess the magnitude of the changes required.

# CR036 Impacts – Views on the proposed approach (Page 1)

| Programme Parties | Range of respondents' views on benefits and concerns (related to the approach in CR036) |
|---|---|
| **Large Suppliers** | – Three of the four responding Large Suppliers rejected the Change Request.<br>– The potential downstream impacts of changing away from UTC have not been understood in the necessary amount of detail. The potential future consequences of doing so requires further analysis.<br>– Smart and UTC have been running for ten years, and all supplier systems are aligned to this way of working. Working in Clock Time during the summer requires the development of complex processes to be able to convert smart meter data to align with the use of Clock Time. BST applies for over half of the year, so a complicated process will be in place for around 60% of settlement days every year.<br>– The MHHS Design was not ambiguous as noted. The Design Principles published on the MHHS website state clearly that the appointment date is in UTC.<br>– The use of Clock Time rather than UTC is a material design change, and should therefore be subject to a robust impact assessment, rather than a decision based on feedback obtained through a PPIR.<br>– The proposed process makes the gaining supplier wholly reliant on their losing supplier for consumption data. This creates a risk that there will be an increased need to estimate data where transfers of data fail.<br>– The impact on consumers of moving away from this design principle and the current design, based on UTC, do not appear to have been considered.<br>– A change to Clock Time could require unplanned for changes and add additional complexity which may result in additional delivery costs and resource requirements.<br>▪ One supplier was not able to determine whether the use of Clock Time would impact their contracts with their service providers due to the expedited Impact Assessment.<br>▪ One supplier was unable to complete the Impact Assessment with their Data Services, therefore abstained from providing a recommendation. |
| **Medium Suppliers** | + One responding Medium Supplier supported Change Request. The supporting document accompanying the Change Request covers the key aspects that need to change to implement Clock Time for CoS reads and Agent Appointments.<br>– One responding Medium Supplier rejected the Change Request.<br>– They recommended that the Change Request should undergo re-consultation or a second round of Impact Assessment due to the omission of key consequential factors that introduce unknown risk factors. They have raised a number of questions which the Programme is addressing on a bilateral basis. |
| **Small Suppliers** | *Did not respond.* |
| **I&C** | + One responding I&C Supplier supported Change Request.<br>▪ One responding I&C Supplier abstained from providing a recommendation.<br>▪ They have argued that the expedited Impact Assessment has meant they have not been able to conduct a thorough impact assessment against the CR. |

## CR036 Impacts – Views on the proposed approach (Page 2)

| Programme Parties | Range of respondents' views on benefits and concerns (related to the approach in CR036) |
|---|---|
| **DNOs** | + Both responding DNOs supported Change Request.<br>+ They supported using Clock Time for appointments and reads, as they currently do. |
| **iDNOs** | *Did not respond.* |
| **Agents** | + One of the five responding Agents supported the Change Request.<br>+ They accept the choice to change to Clock Time, although it isn't their preference, but would require some clarifications on a few elements ahead of developing, testing and delivery.<br>– Three of the five responding Large Suppliers rejected the Change Request.<br>– Implementing to Clock Time will put at risk the Programme schedule and increase workload, with an increased cost to deliver, requiring unexpected rework.<br>– The Change Request does not include an assessment of how many, if any, suppliers are currently working on Clock Time.<br>– Midnight reads are taken in UTC. There is therefore potential for significant additional traffic towards the DCC to obtain a read at midnight Clock Time.<br>– The issue statement in the Change Request is incorrect. The design has always been based on UTC.<br>– Industry Participants have been working to a common understanding of UTC requirements. Changing this would result in further development work at additional cost.<br>– The Change Request does not include enough clarity to ensure Participants can work with a common understanding. It adds further anomalies.<br>– There will be an additional requirement to resource for Data Services as additional testing and development will be required, which will divert important, allocated resource away from progressing the main build activity.<br>▪ One responding Agent abstained from providing a recommendation.<br>▪ Without clarity on the changes to the baselined documents, it is not possible to full assess the magnitude of the changes required. |
| **S/W Providers** | – The one responding Software Provider rejected the Change Request.<br>– They recommended that the Change Request should undergo re-consultation or a second round of Impact Assessment due to the omission of key consequential factors that introduce unknown risk factors. They have raised a number of questions which the Programme is addressing on a bilateral basis. |

## CR036 Impacts – Views on the proposed approach (Page 3)

| Programme Parties | Range of respondents' views on benefits and concerns (related to the approach in CR036) |
|---|---|
| **REC Code Manager** | + RECCo agree that there is a design gap in terms of splitting the IF-21, and support the change to clarify the approach to splitting this message.<br>– RECCo rejected the Change Request.<br>– The Programme has not fully explained the rationale for the change to Clock Time.<br>– The design is not ambiguous. It is clearly stated in the design principles that appointment date is in UTC. Definitions within the DES138 state that the effective from date of the Data Service and Metering Service is in UTC.<br>– In order to propose such a fundamental change to BAU arrangements, not directly required for MHHS, they would have expected more detailed analysis of the impacts.<br>– This is a significant change at a late stage in the Programme, and may therefore have an impact on the ability of SIT participants to meet the SIT schedule, and risks wider Programme delivery.<br>– They have raised concerns that the Programme is not open to considering views from industry regarding the change.<br>– RECCo also noted that, if the Change Request is approved, the following changes would be required: PR019 would need to be updated; the definition of DI-089 Cumulative Register Reading Date / Time would need to be updated; BP003C will require a fundamental change. |
| **National Grid ESO** | *Did not respond.* |
| **Consumer** | *Did not respond.* |
| **Elexon (Helix)** | *Did not respond.* |
| **SRO / IM & LDP** | + As the Change Raiser, the Programme is supportive of the Change Request. The Programme reiterates that the decision made to move to Clock time happened independently to the Change Request, and that the purpose of the Change Request is to Impact Assess the proposed redlined changes to the MHHS Design.<br>+ The Programme will continue to work with Participants to ensure the redlining suits all Participant needs. Feedback will be responded to on a bilateral basis where required.<br>– The Change Request will impact Code drafting as the appointment processes and read processes have already been drafted. If part of IR7 delivery, the Programme notes that amending multiple code artefacts risks delaying the Mop-up consultation and potentially M6 delivery date. |
| **IPA** | ▪ The IPA is comfortable that the Change Request is not expected to have an impact on their activities.<br>▪ The IPA is aware of concerns that have been raised by a number of constituent groups in relation to this CR and will review these separately to completion of this CR form. |
| **Avanade** | *Did not respond.* |

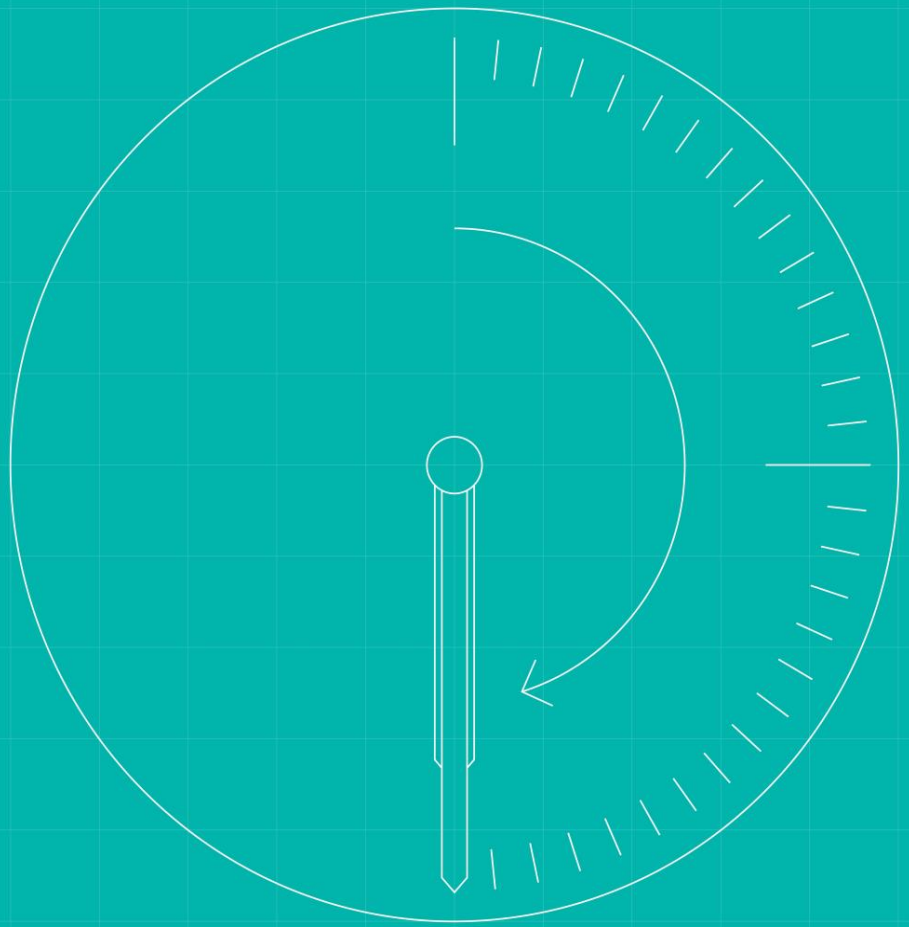
## DAG Decision on CR036 'Use of Clock Midnight for Appointments and Reads'

The DAG are requested to advise SRO on the decision to approve or reject the redlining, the proposed implementation plan, and testing approach for CR036:

| | |
|---|---|
| **DECISION [86]** | **SRO to approve/reject the redlining, the proposed implementation plan, and testing approach for CR036 'Use of Clock Midnight for Appointments and Reads'** |

Confirmation of next steps will be provided following the decision

# Release Management During Testing



**INFORMATION:** Information on management of design releases during testing and code deployment

*Programme (Paul Pettitt)*

*20 mins*

# Background

- Fast-Track change progress was introduced to manage the large volume of updates to the design
- These updates addressed errors, ambiguities and added needed clarifications.
- These updates were issued via Interim Releases as published in the DIN Log
- The timetable for the release is a monthly cadence with a release plan running out to April 2024.
- The last Interim Release is IR6 published on 1-Nov-23

# Proposed Interim Release Alignment with Testing

- We will be reducing the cadence of future releases to better align with testing cycles
- Interim Release 7 will now move to 31-Jan 24 and form the input into SIT functional test cycle 2 (June 24)
- Interim Release 8 will now move to 03-Apr-24 and form the input into SIT functional test cycle 3 (Aug 24)
- Programme Change Requests will continue with the updates to design documents now falling into the revised IR schedule

# Acknowledgements

- There has been and will be a need to continue to issue minor increments to Interim Releases as a consequence of testing defects. Recent examples being IR2.1 and IR5.1 The Programme is aware of the challenges of maintaining a clear and consistent view of which version of the design participants are building to and executing
- The Programme will endeavour to provide as much time as possible with clear guidance to updates but recognise this will become increasing challenging as we approach a new testing cycle

# Next Steps

- The DIN log will be updated to reflect the new timeline and will continue to be published at regular intervals
- Additional information will be added to the DIN log to capture where a DIN relates to a defect from testing
- Objection windows will remain and be updated to reflect the new schedule with the exception of testing defects as they are needed to allow testing to progress.
- The Programme will focus on those DINs that impact on our ability to proceed to future milestones or go-live. Other non-urgent DINs will be logged but scheduled for post go-live
- The Programme is proposing a Change Freeze that will be presented to the next PSG 6-Dec-23

# Major Releases, Minor Releases, Adhoc Releases and Emergency Releases

## Background

- SIT A Test Environment will support SIT Functional Testing
- SIT B Test Environment will support SIT Migration, Non-Functional and Operational Testing
- SIT Functional Test Phase broken down into 3 cycles of Test plus a final Regression Test Cycle.
  - Between each cycle is 2-week Maintenance Window.
- From the point SIT Migration Test commences, and SIT A and SIT B are in use, Release Management will co-ordinate alignment of Builds across both Test Environments

## Major Releases

- Forecast ahead of time
- Will be predominantly based on Design Baseline uplifts i.e. Resolved DINs + Change Requests
- The target Design Release Publish date will precede the deployment into SIT by circa 5 Months
  - Allowances need to be retained to enable future releases to remain in step with Design Changes being made within Test Programme, therefore between the IR Design Publish date and Deployment Date, alignment updates should be expected

| | Defect found in test impacting Design | | Defect found in test impacting Design | | Defect found in test impacting Design | | SIT Functional Cycle 1 concludes |
|---|---|---|---|---|---|---|---|
| IR5.1 in test | Uplift to IR5.2 | | Uplift to IR5.3 | | Uplift to IR5.4 | | In Test – IR5.4 |
| IR7 published as next Major Release | | Retrofit 5.2 change – Publish IR7.1 | | Retrofit 5.3 change –Publish IR7.2 | | Retrofit 5.4 change – Publish IR7.3 | Due for Release - IR7.3 |

- Major Releases will be planned during at least the first 2 SIT Functional Maintenance Windows
  - At this point (Q4 2023) the Programme will not plan any Major Releases beyond this date, but withholds the right to add further Major Releases at a later date

## Minor Releases

- Minor Releases planned on a weekly basis (current view is Monday AM for Central Systems)
- Content of Minor Releases can include:
  - Predominantly Defect Fixes (that have been successfully PIT Tested and documented within RFCs)
  - Uplift to IR Design e.g. IR5.1 uplift to IR5.2
  - Small Changes (as agreed via implementation plan for CR)

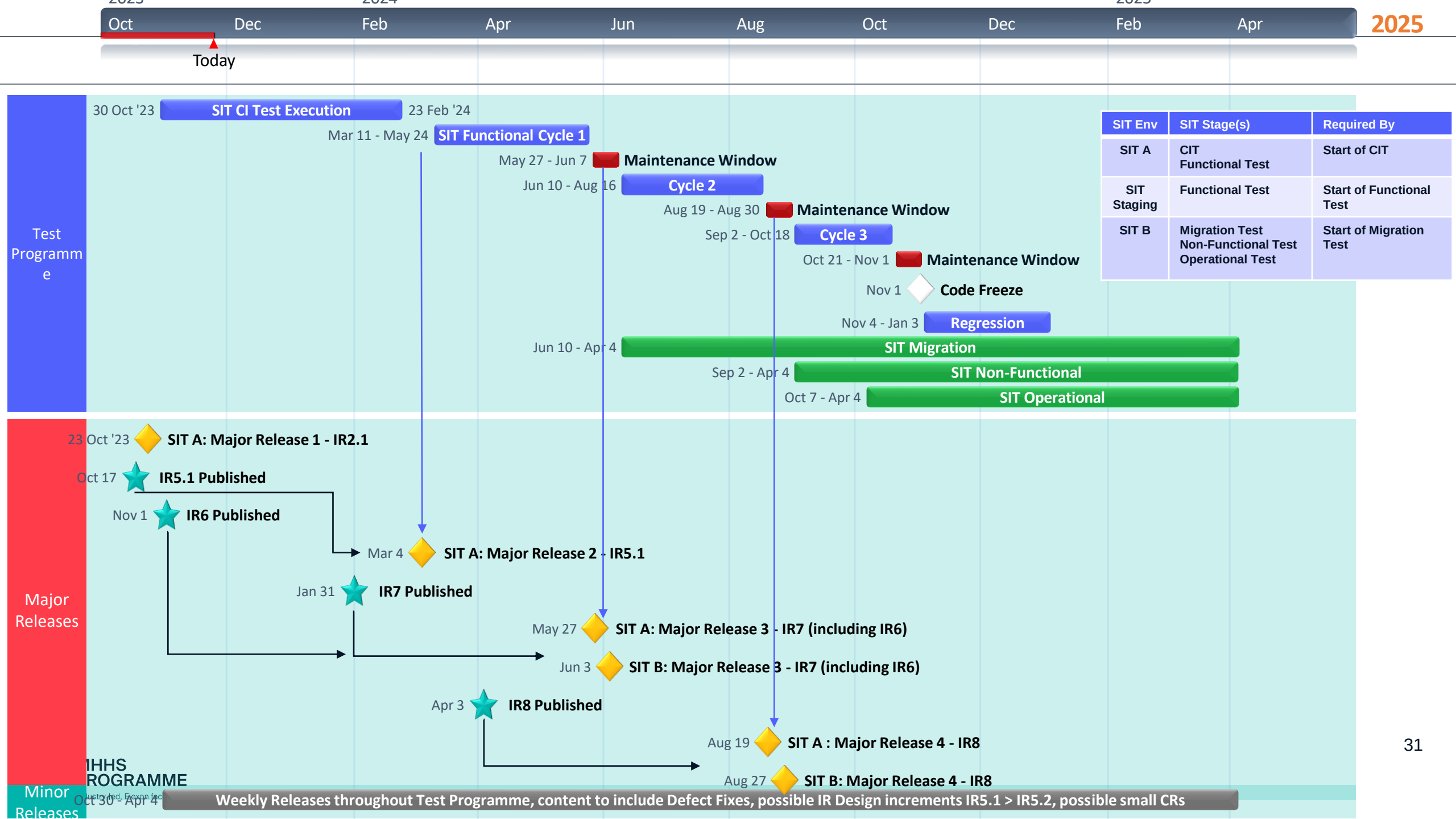
Jul 15 - Sep 6

## Patch Releases

- When fixes are required outside the weekly cadence of Minor Releases, through controlled Release Management, these can occur

## Emergency Release

- Testing is severely impaired/blocked, and changes/workarounds required asap to restart


Oct
Dec
Feb
Apr
Jun
Aug
Oct
Dec
Feb
Apr
2025
Today
Test Programme
30 Oct '23
SIT CI Test Execution
23 Feb '24
Mar 11 - May 24
SIT Functional Cycle 1
May 27 - Jun 7
Maintenance Window
Jun 10 - Aug 16
Cycle 2
Aug 19 - Aug 30
Maintenance Window
Sep 2 - Oct 18
Cycle 3
Oct 21 - Nov 1
Maintenance Window
Nov 1
Code Freeze
Nov 4 - Jan 3
Regression
Jun 10 - Apr 4
SIT Migration
Sep 2 - Apr 4
SIT Non-Functional
Oct 7 - Apr 4
SIT Operational
SIT Env
SIT Stage(s)
Required By
SIT A
CIT
Functional Test
Start of CIT
SIT Staging
Functional Test
Start of Functional Test
SIT B
Migration Test
Non-Functional Test
Operational Test
Start of Migration Test
Major Releases
23 Oct '23
SIT A: Major Release 1 - IR2.1
Oct 17
IR5.1 Published
Nov 1
IR6 Published
Mar 4
SIT A: Major Release 2 - IR5.1
Jan 31
IR7 Published
May 27
SIT A: Major Release 3 - IR7 (including IR6)
Jun 3
SIT B: Major Release 3 - IR7 (including IR6)
Apr 3
IR8 Published
Aug 19
SIT A : Major Release 4 - IR8
Aug 27
SIT B: Major Release 4 - IR8
Minor Releases
Oct 30 - Apr 4
Weekly Releases throughout Test Programme, content to include Defect Fixes, possible IR Design increments IR5.1 > IR5.2, possible small CRs

# Change Freeze Objective

**Context:** Instability during Programme delivery, implementation and go-live creates risk for the Programme, Code Bodies and Programme participants.

**Objective and solution:** Stability needs to be created by increasing change thresholds for change that impacts the MHHS Programme until after go-live and in some cases until after Migration completion*.

The Programme will achieve this by enacting a **Change Freeze**.

*(Informally within the energy industry change freeze is often known as ‘Code Freeze’)

## How will Change be assessed during this Change Freeze?

| Milestone | Target Operating Model (TOM) Change Status | External Changes that impact the MHHS TOM | External Changes that have no impact on the MHHS TOM |
|---|---|---|---|
| **Pre-M9** | Changes accepted to improve the Design. | Need a Programme Change Request (CR) to implement. | No impact. |
| **Post M9** | Design changes are only accepted if without which the system would not work. “Nice to haves” will go into the backlog. Only Severity 1 and Severity 2 defects, that impact a Design artefact, are facilitated post M9 pre M10. Any Severity 3 or Severity 4 Defects that have Design implications will be placed into the Design Backlog.* | Need a Programme CR to confirm impact, and assessment as whether it meets "TOM deficiency" threshold. **Or** are strategically important that Ofgem accepts the impact on the MHHS timetable. | No impact. |
| **Post M6** | Design Change as above, but extended to Code Changes so they must meet the deficiency in the Code threshold | Need a Programme CR to confirm impact, and assessment as whether it meets to "TOM deficiency" threshold. **Or** are strategically important that Ofgem accepts the impact on the MHHS timetable. | No Impact. |
| **Post M8 and M10** | Design changes are Business As Usual (BAU) (with relevant Code Body) unless they impact the migration process. Same for Code Changes. | Design Changes are BAU with relevant Code Body unless they impact the migration process. Same for Code Changes. A Programme CR impact assessment is required against the migration process. | No impact. |
| **Post M15** | All Changes are BAU. | All Changes are BAU. | No impact. |

**Note – Severity 3 and Severity 4 Defects found in testing (that do not have implications on Design) will be expected to be resolved to enable Participants to exit SIT within defined Defect thresholds.*

## Change Freeze – Controls and Governance

### External Changes

- Ofgem supports the need for a Change Freeze:
  - Ofgem will make decisions on whether to approve external changes that may impact the MHHS TOM.
  - Ofgem will also be required to approve Programme decisions that are over a Level 1 threshold.
  - The Programme will continue to meet with Ofgem regularly on any license changes that may impact the Programme.
- All electricity Code Bodies will continue to engage MHHS Programme for all changes which may impact the Programme via Cross Code Advisory Group (CCAG) (and bilaterally).

### Internal Changes

- Programme change is centrally managed by the Programme Change Management Approach via the Change Board and coordinated via the CCAG Horizon Scanning process.
- The MHHS Change Board will continue to oversee all Changes to ensure cross-Programme impact is understood.
- Defects and Design Issue Notifications (DINs) raised by Programme participants during Testing. The Programme will focus on those DINs that impact on our ability to proceed to future milestones or go-live. Other non-urgent DINs will be logged but scheduled for post go-live.

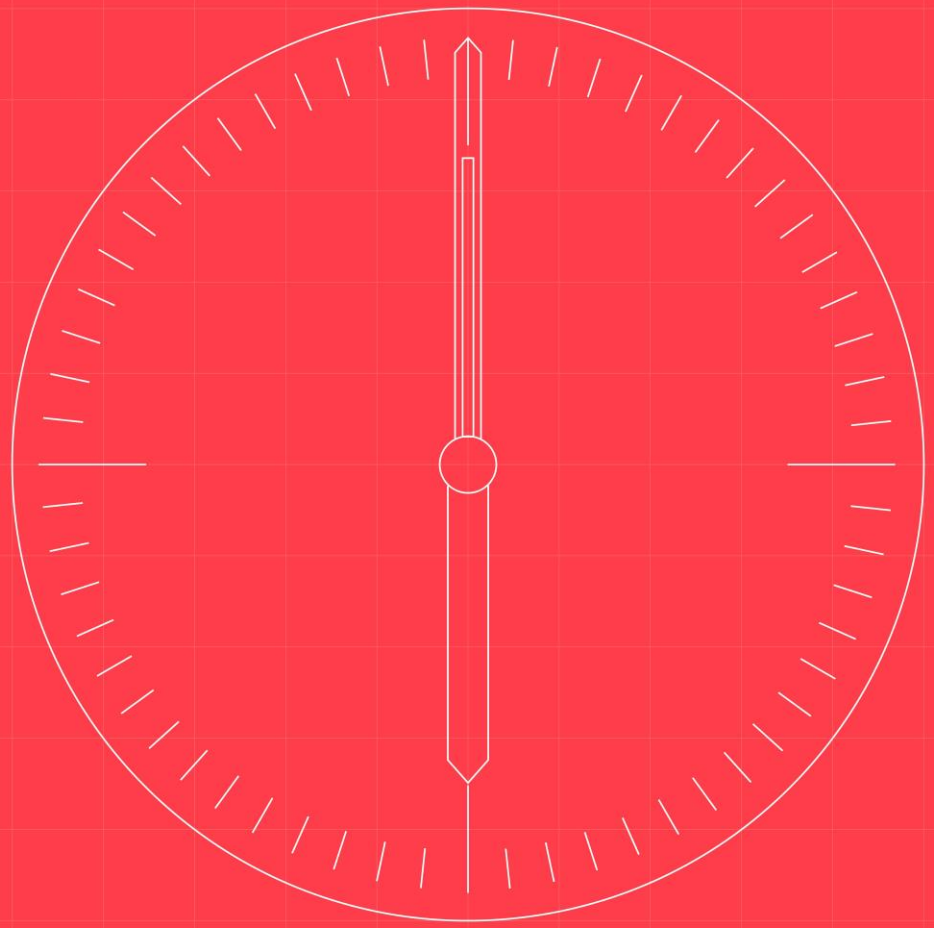
## Change Freeze – Communications

The Programme will ensure all key stakeholders are aware of this Change Freeze:

- Cascading this update and scope of Change Freeze through Programme governance (PSG, Level 3 Advisory and relevant Level 4 Workgroups)
- Code Bodies to cascade the Programme Change Freeze Approach - increase in Change Thresholds - via their panels
- Publishing key information through Programme Communication Channels (The Clock, Collaboration Base and MHHS website)
- Engaging with Programme participants via the PPC Team through bilaterals and supporting them with their queries regarding the Change Freeze

*Note a housekeeping PCR is required to update the Change Control process

# Design (DIN)



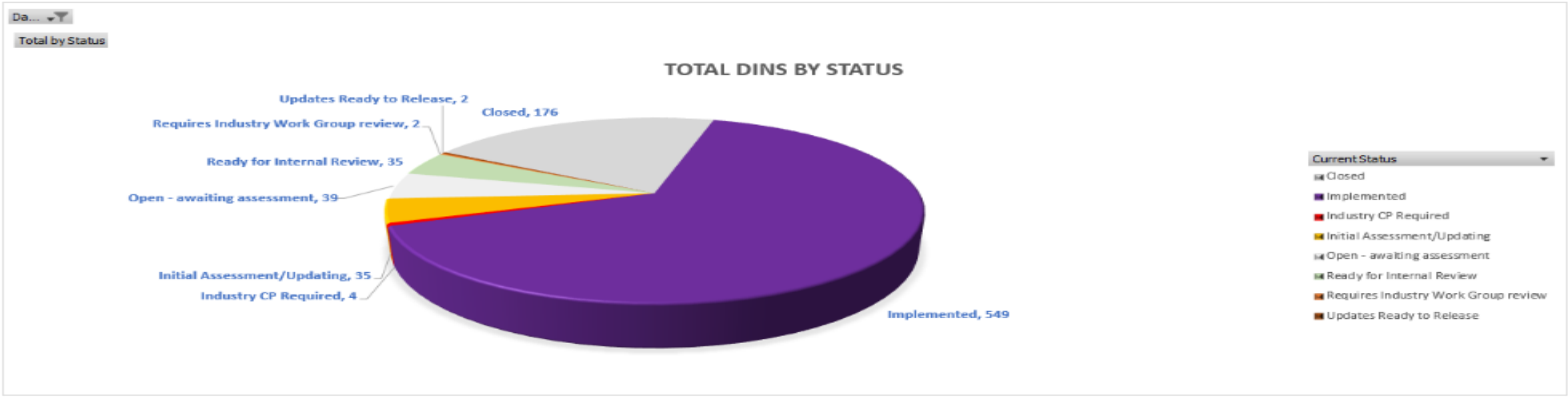
**INFORMATION**: Update on the Design (DIN)

*Programme (Paul Pettitt)*

*10 mins*

# DIN Log Stats as of 6 December 2023

Total Recorded DINs 842




## Total DINs by Status

| Current Status | Total by Status |
|---|---|
| Closed | 174 |
| Implemented | 542 |
| Industry CP Required | 4 |
| Initial Assessment/Updating | 35 |
| Open - awaiting assessment | 39 |
| Ready for Internal Review | 35 |
| Requires Industry Work Group review | 2 |
| Updates Ready to Release | 2 |
| Grand Total | 833 |

## Total DINs by Release

| Target Release | Total by Release |
|---|---|
| Interim Release 1 | 133 |
| Interim Release 2 | 103 |
| Interim Release 3 | 57 |
| Interim Release 4 | 84 |
| Interim Release 5 | 103 |
| Interim Release 6 | 34 |
| Interim Release 7 | 44 |
| Interim Release 8 | 31 |
| Interim Release 5.1 | 25 |
| Interim Release 2.1 | 3 |
| Interim Release 2.2 | 1 |
| Post Go-live Release | 10 |
| TBC | 8 |
| Interim Release 5.2 | 21 |
| Interim Release 2.3 | 6 |
| Grand Total | 663 |

## Total Open DINs

| Status | Total by Status |
|---|---|
| Industry CP Required | 4 |
| Initial Assessment/Updating | 35 |
| Open - awaiting assessment | 134 |
| Ready for Internal Review | 35 |
| Requires Industry Work Group review | 2 |
| Updates Ready to Release | 2 |
| Grand Total | 212 |

## Total Closed DINs

| Status | Total by Status |
|---|---|
| ⊟Closed | 176 |
| Interim Release 7 | 1 |
| (blank) | 175 |
| ⊟Implemented | 549 |
| Interim Release 1 | 133 |
| Interim Release 2 | 103 |
| Interim Release 3 | 57 |
| Interim Release 4 | 84 |
| Interim Release 5 | 103 |
| Interim Release 6 | 34 |
| Interim Release 5.1 | 25 |
| Interim Release 2.1 | 3 |
| Interim Release 2.2 | 1 |
| Interim Release 2.3 | 6 |
| Grand Total | 725 |

## CR024 & CR025 – Implementation Review

**Objective:**

**DAG to support the Programme recommendation to postpone the implementation of CRs 024 and 025 until after M10.**

**Background:**

- DAG approved CRs 024 and 025, raised by RECCo, in August and July 2023, respectively.
- Both CRs look to update Interface and Data item descriptions and names to align with existing terms.
- The implementation of this change will affect all interfaces and require significant updates to the Logical Interface specification and Swagger.
- Following feedback from industry raising concerns on the significant amount of change needed to be implemented for CIT and SIT, there have been discussions within the Programme reviewing the criticality and implementation timelines of changes as well as DINs.
- This review has focussed on changes that have been approved, but pending implementation, as well as upcoming changes to assess their criticality for Go-live.
- Although changes CR024 and CR025 were approved for implementation, the review has considered these as 'not essential to go-live', and their implementation is not critical to Programme delivery or the completion of MHHS. The review has also highlighted that whilst these changes do not change functionality, the implementation has a significant development and test effort to ensure Design integrity is maintained which has the potential to impact Programme milestones.

**Recommendation**

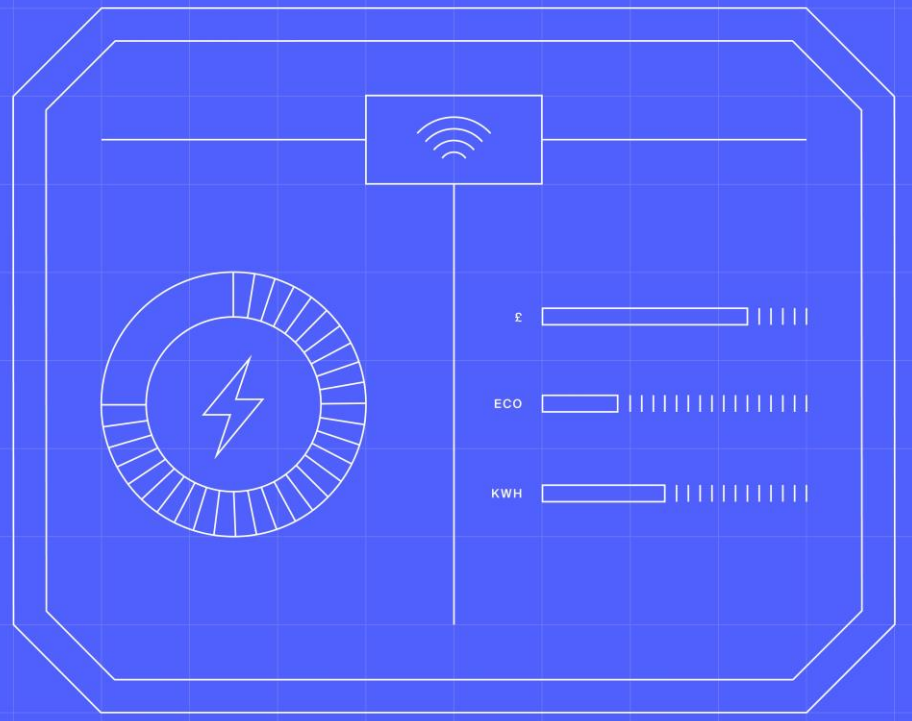
- Given feedback raised by industry on the volume of change, the impact on testing, and the volume of work required to implement the changes, both from a Participant and a Programme viewpoint, the Programme is recommending DAG consider the approval of the recommendation to postpone implementing the changes until after M10, when critical milestones would have been achieved and capacity to deliver these changes should increase.
- If participants believe the postponement of CRs 024 and 25 will have a material impact on them achieving milestones before the end of M10, please contact the Programme via PMO@mhhsprogramme.co.uk by 22 December 2023

# Top Programme Risks related to DAG

**INFORMATION:** Update on the top Programme Risks related to DAG

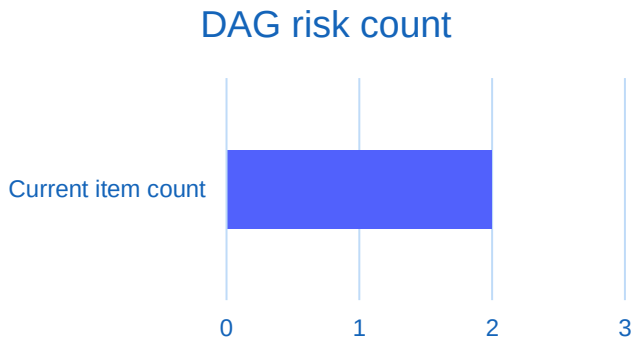
*Programme (PMO)*

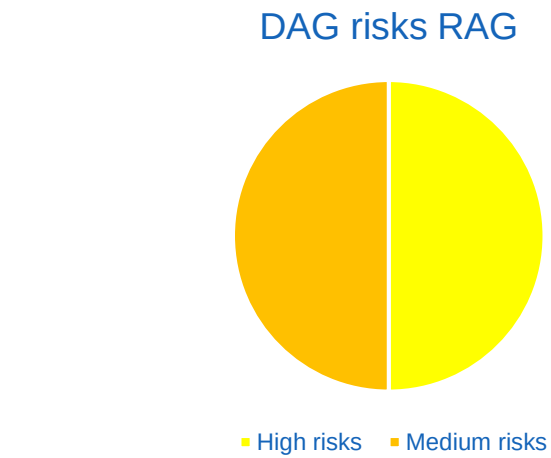
*5 mins*

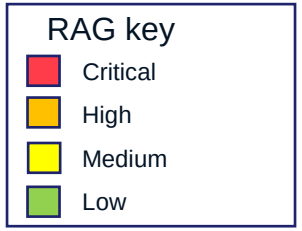


## Top Programme Risks related to DAG

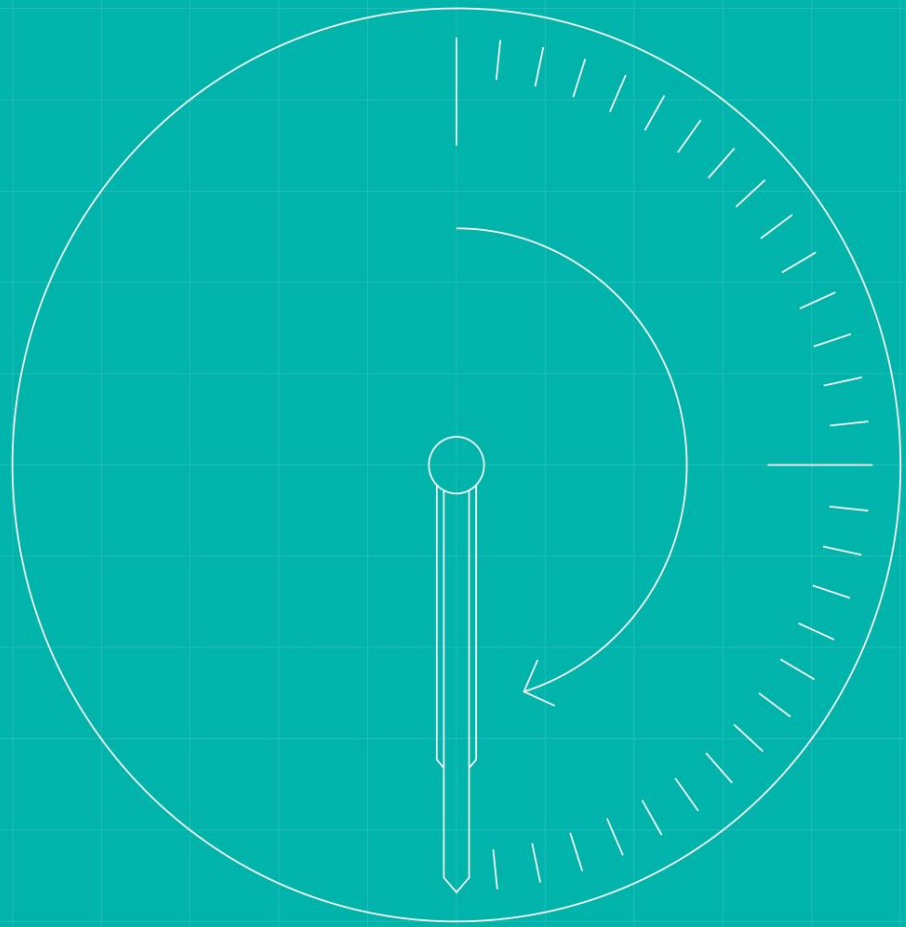
| Risk/Issue ID | Risk Description | Risk Impact | RAG | Mitigation |
|---|---|---|---|---|
| **R432** | There is a risk that new and existing Change Requests have a material impact on the baseline Design | This could result in potential impacts to participant design and prevents participants meeting M9 milestone.<br><br>This also may have implications for Code drafting. | | 1) Monitoring Change Requests and understanding their impact on Design<br>2) Where changes not concluded, making clear what risks are contained within future Programme planning |
| **R214** | There is a risk that suppliers will face increased meter reading costs due to the compressed settlement window. Suppliers may be required to read trad/non-communicative meters more frequently | This may result in an increased cost to suppliers | | 1)Session required to initiate modelling of Smart Meter rollout and meter read retrieval rates to inform Performance Metrics<br>2) Accepted risk – this sits within PA framework and BSC when monitoring suppliers' ability to read trad meters |



# Upcoming Programme Milestones related to DAG



**INFORMATION:** Update on the upcoming Programme milestones related to DAG

Programme (PMO)

*5 mins*

# Key Milestone Change

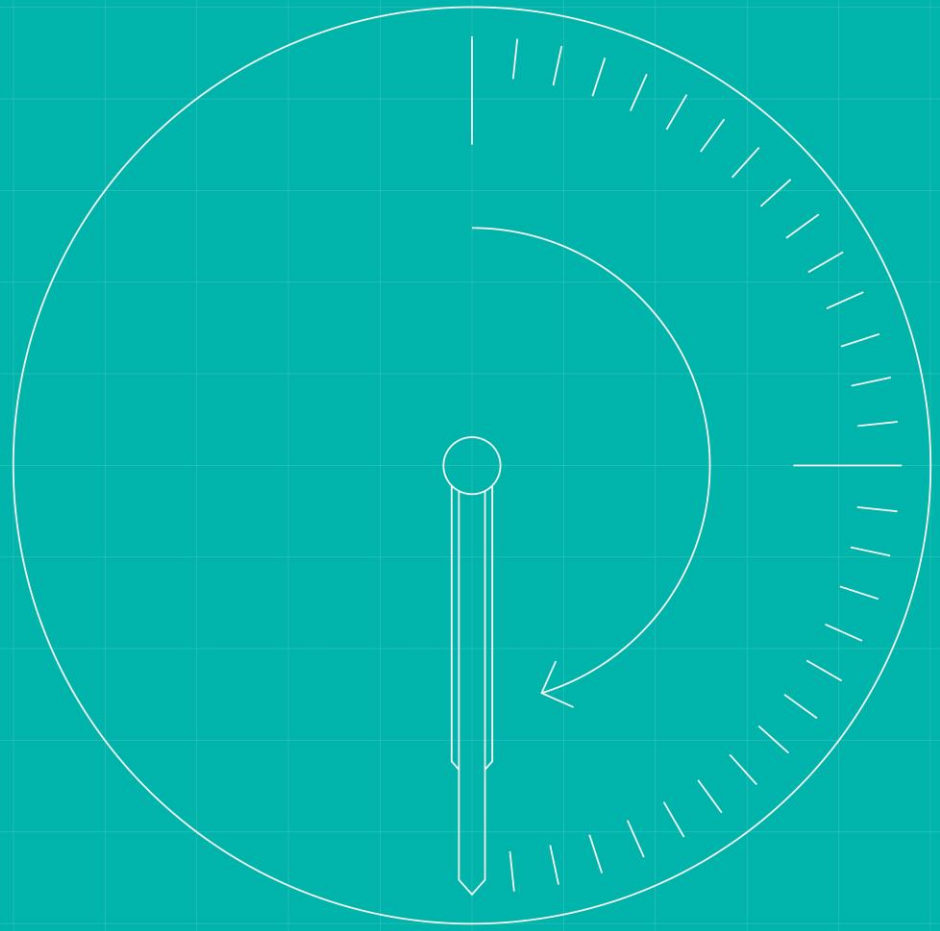
| Milestone ID | Responsible | Change Type | Milestone Title | Baseline Date | Forecast Date | Previous RAG | Current RAG | Forecast RAG | Commentary |
|---|---|---|---|---|---|---|---|---|---|
| T3-DB-0098 | SI Design | Date Change | Interim release 7 Go live | Wed 29/11/23 | Wed 31/01/24 | | | | Date change because forecast date has changed to align with Testing Release Management. Discussed with no objections at FTIG on 23/11. To be taken to Dec DAG for noting |
| T3-DB-0099 | SI Design | Date Change | Interim release 8 Go live | Wed 10/01/24 | Wed 03/04/24 | | | | Date change because forecast date has changed to align with Testing Release Management. Discussed with no objections at FTIG on 23/11. To be taken to Dec DAG for noting |
| T3-DB-0100 | SI Design | Remove | Interim release 9 Go live | Tue 30/01/24 | Tue 30/01/24 | | | | Remove as no longer required as release will take place during Release 7/8 |
| T3-DB-0101 | SI Design | Remove | Interim release 10 Go live | Wed 28/02/24 | Wed 28/02/24 | | | | Remove as no longer required as release will take place during Release 7/8 |
| T3-DB-0102 | SI Design | Remove | Interim release 11 Go live | Wed 03/04/24 | Wed 03/04/24 | | | | Remove as no longer required as release will take place during Release 7/8 |



Milestone RAG definitions

| Complete | On track | Likely to be met if issues / risks are resolved / mitigated | Date missed or unlikely to be met without escalation |
|---|---|---|---|

# Programme Updates



**INFORMATION**: Updates from other MHHS governance groups and wider Programme updates

*Programme (PMO)*

*10 mins*

## Governance group updates

### Programme Steering Group (PSG)

**Updates from PSG 08 November 2023**

1. **Qualification Testing:** Code Bodies and the Programme provided updates on Qualification Testing (QT), noting the need for urgency. Code Bodies will retain overall accountability for delivery and the Programme will support QT for non-SIT LDSO in the lead up to Programme milestone M10 (Central systems ready for migrating MPANs), including seeking to align QT and SIT to support use of the Placing Reliance Policy. An overview of the schedule for test execution was provided in the meeting papers. Updates on Supplier and Agent qualification will be provided at the December PSG meeting.
2. **MHHS Appeals Process:** Recommendations for improvements to appeals and escalation processes were accepted and will be implemented in due course.
3. **TMAG Restructure:** Recommendations for a restructuring of the Testing and Migration Advisory Group (TMAG) were accepted and will be delivered via a Programme Change Request.

PSG papers available here.

### Testing and Migration Advisory Group (TMAG)

**Update from TMAG 23 October 2023**

1. **Migration Threshold document:** TMAG members approved this document.
2. **T2 Readiness Assessment for CIT Interval 3:** TMAG members approved the Readiness Assessment, following a recommendation from FTIG.
3. **Environments Approach and Plan (SIT Functional) v2.9:** The TMAG members approved this document.
4. **TMAG Approval Process**. The Programme shared the new method for level 2 and 3 approvals with TMAG.
5. **TMAG restructure:** The Programme shared the proposed the new TMAG structure.
6. **Qualification Update:** The Programme provided an update on Qualification.
7. **Testing Update:** The Programm e provided an update on Testing.
8. **IPA Test Assurance Update:** The IPA provided an update on P1 and P2 Test Assurance.
9. **3 Month Milestone Look Ahead & Milestone Changes:** The TMAG approved milestone changes to the Programme Plan.

TMAG papers available here

### Design Advisory Group (DAG)

**Updates from DAG 08 November 2023**

1. **CR032 Decision:** The DAG requested updates are made to Programme Change Request (CR) 032 (Change to Interface IF-165 P0210 TUoS Reporting) and the CR re-issued for a five working day Impact Assessment (IA).
2. **CR034 Impact Assessment:** The DAG approved CR034 (Delay to Elexon Level 4 validation response – NFR (1009)) for issue to IA, subject to requested amendments
3. **Transition Design Decision:** DAG approved the baselining of the Tranche 2 Transition Design Artefacts (Settlement Timetable Transition).
4. **UTC vs Clock Time Decision:** DAG approved the use of Clock Time for Change of Supplier reads and Service Appointments and for this to form the basis of a new CR to enable formal Impact Assessment.
5. **Updates to the Interface Code of Connections (CoCo):** DAG deferred a decision on the updated CoCo whilst updates agreed at the SDWG are applied. The redlined CoCo will be issued to SDWG attendees for review and an ex-committee approval decision sought from the DAG.

DAG papers available here

### Cross Code Advisory Group (CCAG)

**Update from CCAG 22 November 2023**

1. **Horizon Scanning Log:** For BSC, CP1589, CP1590 were discussed. For REC, R0083, R0083A, R0026, R0043, R0065, R0081 were discussed, for DCUSA, DCP419 was discussed. There were no new changes that the Programme believed will impact them.
2. **CDWG Escalations:** The CCAG approved the BSC and REC Migration, Governance and Qualification Code Artefacts.
3. **CCAG Reporting, Risks and Milestones:** The Programme shared an update on the Code workstreams status against the plan, including top programme risks related to CCAG, and an overview of the Mop-up approach and controls.
4. **Consequential Code Change Delivery:** Updates from Elexon and NGESO were provided in relation to their delivery status.
5. **CDWG Update:** The Programme provided an overview from CDWG.

CCAG papers available here

## Wider Programme Updates

**Christmas working arrangements:** From **Friday 22 December 2023** to **Tuesday 2 January 2024** there will be no MHHS governance meetings, and we won't publish any documents for formal review. Governance meetings scheduled for the last week of December 2023 have been brought forward and any governance meetings scheduled for the first week of January 2024 will be deferred where practicable (e.g. the Programme Steering Group (PSG) will move to **10 January 2024**).

**Participant Checklist:**
There are a few updates this week, so this week's Participant Checklist includes the following items for Programme participant review, feedback and awareness:

1. Systems Integration Testing (SIT) Functional Test Scenarios and Test Cases: Uplifted Themes 1-3 – the deadline is **Thursday 30 November 2023**
2. SIT Functional Test Scenarios & Test Cases Theme 7: Consumption – the deadline is **Friday 1 December 2023**
3. SIT Component Integration Testing (CIT) Test Cases Batch 3 (Intervals 5 & 6) Final Review – the deadline is **Friday 1 December 2023**
4. Change Request CR036 issued for Impact Assessment – the deadline is **Friday 1 December 2023**
5. Change Request CR032 reissued for Impact Assessment – the deadline is **Tuesday 5 December 2023**
6. REMINDER: Milestone 15 (M15) Acceptance Criteria Consultation – the deadline is **Wednesday 6 December 2023**
7. Code Artefacts Tranche 4 Assurance Review – the deadline is **Wednesday 13 December 2023**
8. Interim Release 2.3 published

You can view the **Participant Checklist** on the respective **Planning pages** of the Collaboration Base and the MHHS website.

**Guidance Documents:** We've updated two of the DIP guidance documents which you can view on the DIP Guidance Documents page of the MHHS website.

**Programme Steering Group (PSG) 06 December 2023:**
**CR035 'Programme proposal to restructure TMAG in the MHHS Governance Framework and other housekeeping updates':** CR035 is due for decision at the PSG on 06 December 2023. A verbal update will be provided at DAG on 13 December 2023.
**Change Freeze:** The PSG will discuss how to ensure stability in the MHHS design during testing and code deployment through a 'change freeze' and assessment of Programme (internal) and external changes which may affect the MHHS TOM.

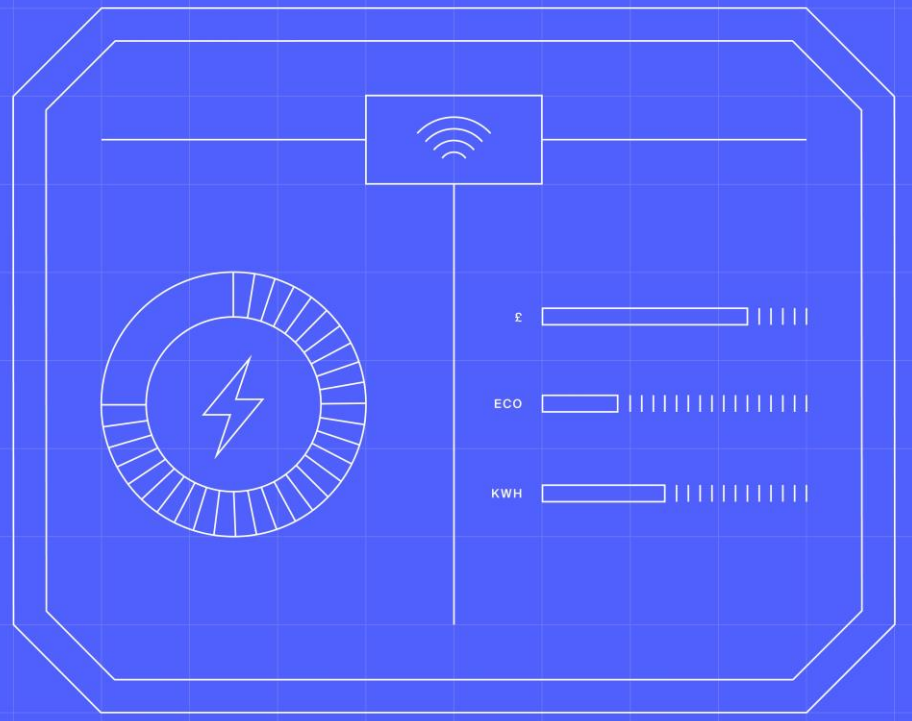
**The Clock:**
The final issue of The Clock for 2023 will be on **Wednesday 13 December 2023**. We'll be back on **Wednesday 3 January 2024**.

# Summary and Next Steps

**INFORMATION**: Summarise key discussions, actions, and next steps

*Chair & Secretariat*

*10 mins*



## Summary and Next Steps

**Next steps:**

- Confirm actions and decisions from meeting
- Next DAG regular meeting: **10 January 2023 at 10am**

1. Holiday working arrangements:
    - From **Friday 22 December 2023** to **Tuesday 2 January 2024** there will be no MHHS governance meetings, and we won't publish any documents for formal review
    - We will treat this period as non-working days, allowing additional time for responses to any in flight consultations / review requests
    - Any governance meetings scheduled for the last week of December 2023 will be brought forward and any governance meetings scheduled for the first week of January 2024 will be deferred where practicable
    - If you have any questions or you'd like further information, please email PMO@mhhsprogramme.co.uk

| Meeting dates | 10-January | 14-February | 13-March |
|---|---|---|---|
| **Relevant milestones or activities** | • Interim Release 7 | • TBC | • TBC |
| **Agenda items** | • Interim Releases and DIN Log<br>• Programme Change Requests | • Interim Releases and DIN Log<br>• Programme Change Requests | • Interim Releases and DIN Log<br>• Programme Change Requests |
| **Standing items** | • Minutes and Actions<br>• Programme Updates<br>• Upcoming Programme Milestones related to DAG<br>• Top Programme Risks related to DAG<br>• Summary and Next Steps | • Minutes and Actions<br>• Programme Updates<br>• Upcoming Programme Milestones related to DAG<br>• Top Programme Risks related to DAG<br>• Summary and Next Steps | • Minutes and Actions<br>• Programme Updates<br>• Upcoming Programme Milestones related to DAG<br>• Top Programme Risks related to DAG<br>• Summary and Next Steps |

If you would like to propose an agenda item for the DAG or would like any information about MHHS governance groups, please contact the Programme PMO (PMO@mhhsprogramme.co.uk)

# Thank you