MHHS PROGRAMME
Industry-led, Elexon facilitated

# Design Advisory Group #27
# 09 August 2023

Version 1.1

MHHS-DEL1474

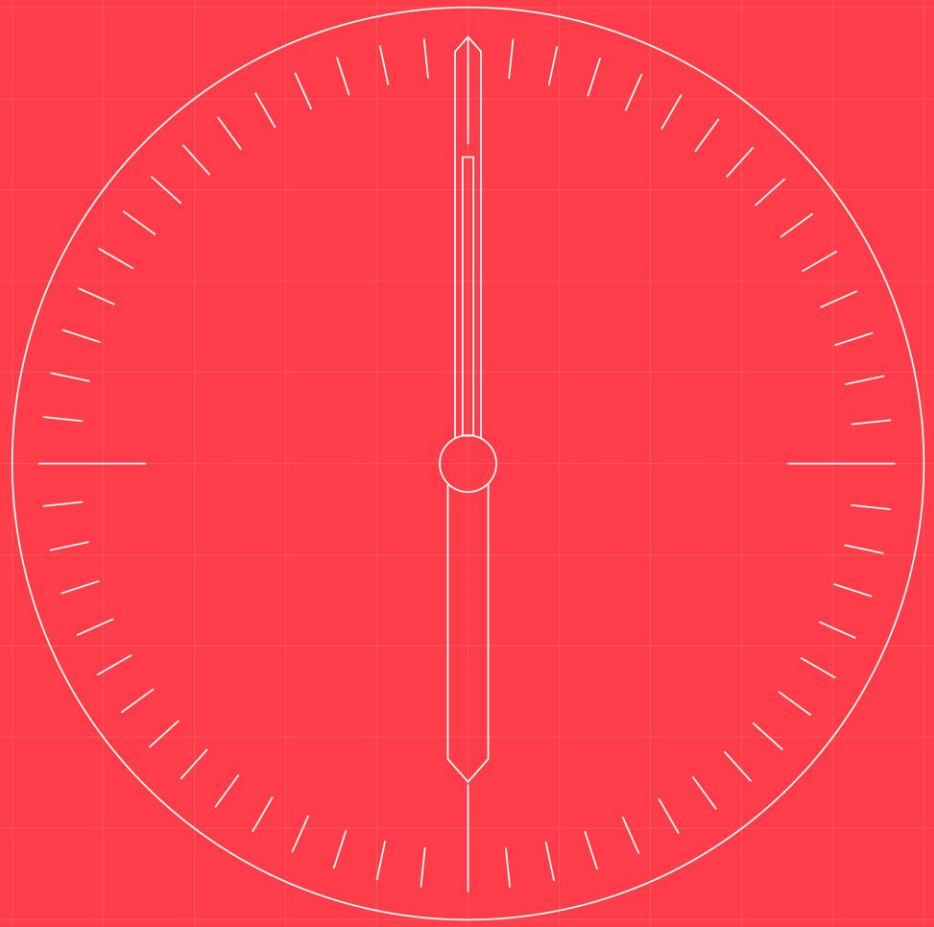
## Agenda (1/2)

| # | Item | Objective | Type | Lead | Time | Page |
|---|---|---|---|---|---|---|
| 1 | Welcome | | | 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 | Upcoming Programme Milestones related to DAG | Update on the upcoming Programme Milestones related to DAG | Information | Programme (PMO) | 10:25-10:35<br>*10 mins* | 6 |
| 4 | CR023 Decision | Decision on approval of CR023 Standardisation of Interfaces within the Smart Data Services | Decision | Programme (PMO) | 10:35-10:45<br>*10 mins* | 8 |
| 5 | CR024 Decision | Decision on approval of CR024 Alignment of Data Item Names and Descriptions | Decision | Programme (PMO) | 10:45-10:55<br>*10 mins* | 14 |
| 6 | CR027 Decision | Decision on approval of CR027 DUoS E-Billing DIP message for MHHS | Decision | Programme (PMO) | 10:55-11:05<br>*10 mins* | 20 |
| 7 | CR028 Approval for Impact Assessment | Decision to approve CR028 EES and SDEO Requirements for Impact Assessment | Decision | RECCo (Jonny Moore) | 11:05-11:15<br>*10 mins* | 26 |
| | Break<br>(10 mins) | | | | | |
| 8 | CR029 Approval for Impact Assessment | Decision to approve CR029 DIP LDSO Interface Processing for Impact Assessment | Decision | NGED (Rachel Prosser) | 11:15-11:25<br>*10 mins* | 28 |
| 9 | CR030 Approval for Impact Assessment | Decision to approve CR030 Introduction of Compressed Payloads into DIP Messages | Decision | Programme (Rob Golding) | 11:25-11:35<br>*10 mins* | 30 |
| 10 | DES-196 D-Flow and Interface Mapping | Decision to approve supplementary documents | Decision | Programme (Kevin Spencer) | 11:35-11:45<br>*10 mins* | 32 |
| 11 | Design (DIN) | Update on Design (DIN) | Information | Programme (Paul Pettitt) | 11:45-11:50<br>*5 mins* | 35 |

## Agenda (2/2)

| # | Item | Objective | Type | Lead | Time | Page |
|---|---|---|---|---|---|---|
| 12 | Design Assurance | Update on the progress of the Design Assurance | Information | Programme (Paul Pettitt) | 11:50-11:55<br>*5 mins* | 37 |
| 13 | Top Programme Risks related to DAG | Update on the top Programme Risks related to DAG | Information | Programme (PMO) | 11:55-12:05<br>*10 mins* | 40 |
| 14 | Programme Updates | Updates from other MHHS governance groups and wider Programme updates | Information | Programme (PMO) | 12:05-12:10<br>*5 mins* | 42 |
| 15 | Summary and Next Steps | Summarise key discussions, actions, and next steps | Information | Chair & Secretariat | 12:10-12:20<br>*10 mins* | 44 |
| | Attachments | Attachment 1 – CR028 – EES and SDEP Requirements<br>Attachment 2 – CR028 Appendix 1 – BRS006 EES and SDEP Requirements CR Redlining<br>Attachment 3 – CR028 Appendix 2 – DES 138 Interface Catalogue – CR Redlining<br>Attachment 4 – CR028 Appendix 3 – BPD001 Change of Supply CR Redlining<br>Attachment 5 – CR029 – DIP LDSO Interface Processing<br>Attachment 6 – CR030 – Introduction of Compressed Payloads into DIP Messages<br>Attachment 7 – Data Catalogue v.5.2.1<br>Attachment 8 – MHHS impacts to BSC owned Data Flows v0.5<br>Attachment 9 – MM00aaa – Daaaa – 001 – Supplier Half Hourly Demand Report (MHHS) v0.5<br>Attachment 10 – MM00bbb– Dbbbb – 001 – Supplier Settlement Header Report (MHHS) v0.5<br>Attachment 11 – MM00ccc – Dcccc – 001 – GSP Group Consumption Totals Report (MHHS) v0.5<br>Attachment 12 – MM00ddd – Ddddd – 001 – Supplier BM Unit Report (MHHS) v0.5 | | | | |

# Minutes and Actions



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

*Secretariat*

*30 mins*

## Minutes and Actions Review

- Approve Headline Report and Minutes of DAG held 12 July 2023
- Review outstanding actions:

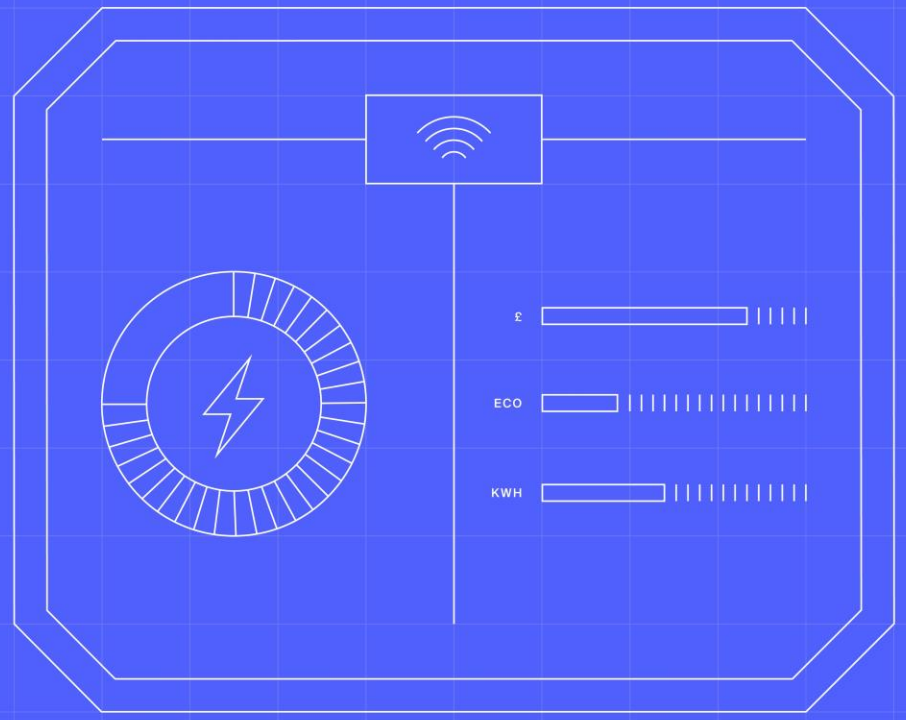
| Ref | Action | Owner | Due | Latest update |
|---|---|---|---|---|
| DAG17-02 | Chair to review the DAG Terms of Reference to ensure there is clarity over the role of DAG post-M5. | Chair | 14/12/2022 | Ongoing. |
| DAG20-03 | DAG members to provide any views on the role of DAG post M5 Work-Off Plan completion to support review of DAG ToR. | DAG Members | 12/04/2023 | Ongoing. |
| DAG20.1-04 | Clarity provided at meeting to the original question of what was the intended role code for the Central Systems (Helix) | Programme (Design Team) | 15/02/2023 | Recommend Close - All interfaces generated by Helix will keep the SVAA role code "G". New DIP interfaces will use a "Role **ID**" identified in column A of DES251 (so for Helix they need to populate this with "LSS", "MDS", "VAS" and "ISD") and existing interfaces (like P flows to SAA or D flows) will keep the "G" as "Role **Code**". |
| DAG20.1-12 | Programme to consider how to provide clarity on the data services for import/export meters and how Programme Participants can be given visibility of this. | Programme (Design Team) | 12/04/2023 | *R*ecommend Close - DEL1059 exists in the collaboration base to provide clarity on the data services for import/export meters. |
| DAG26-01 | Programme to seek clarity on whether/how D-Flows will be available for System Integration Testing (SIT) and return to DAG for discussion. | Programme (Matt McKeon) | 09/08/2023 | The Programme is currently working with Electralink to have the D-Flows set up prior to SIT Functional. |
| DAG26-02 | PMO to ensure the attachment to CR027 is included when the CR is issued for Impact Assessment and published alongside the CR on the MHHS website. | Programme (PMO) | 14/07/2023 | This has been actioned. |
| DAG26-03 | RECCO to amend CR024 with updates agreed by DAG, and provide a version 2.0 to Programme. | RECCo (Sarah Jones) | ASAP | This has been actioned. |
| DAG26-04 | Programme to re-issue CR024 for a five working day Impact Assessment with specific question on delivery/implementation timescale impacts, following receipt of amended CR from RECCo. | Programme (PMO) | ASAP | This has been actioned. |

# Upcoming Programme Milestones related to DAG

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

*Programme (PMO)*

*10 mins*



## Upcoming milestones (rolling 3 months)

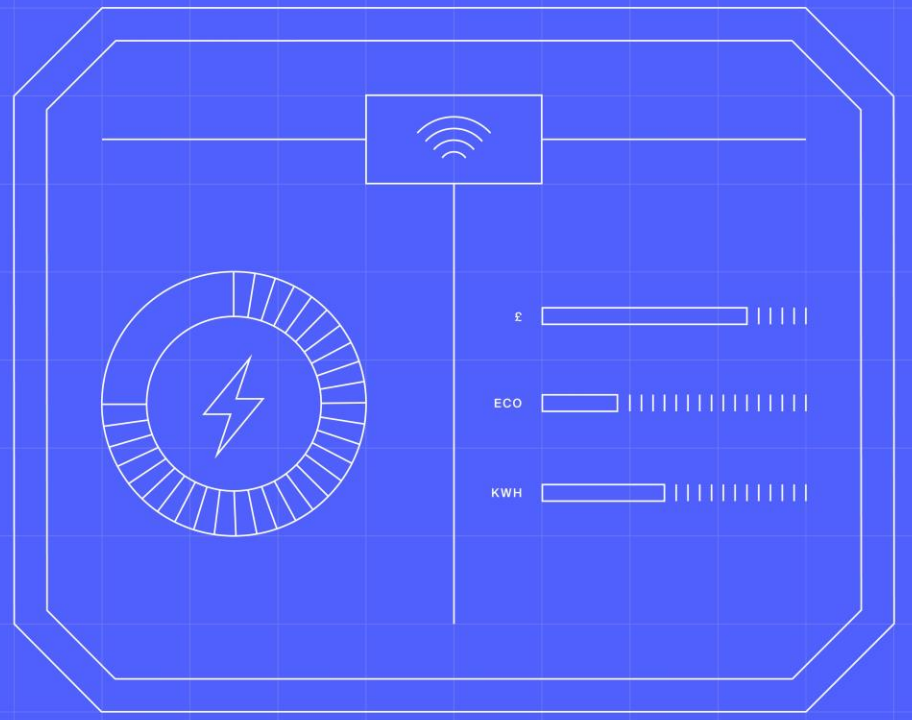
| Milestone Tier | Milestone ID | Milestone Title | Baseline Date | Forecast Date | Last RAG | Current RAG | Next RAG | Update |
|---|---|---|---|---|---|---|---|---|
| Tier 3 | T3-DB-0014 | Design Authority ToR approved | Wed 14/12/22 | Wed 14/12/22 | | | | |
| Tier 3 | T3-DB-0016 | Participant Design Assurance Approach approved | Wed 11/01/23 | Wed 11/01/23 | | | | |
| Tier 3 | T3-DB-0010 | M5 design Work-Off Plan completion approved | Thu 16/02/23 | Thu 16/02/23 | | | | |
| Tier 3 | T3-DB-0095 | Enduring change management process approved | Thu 16/02/23 | Thu 16/02/23 | | | | |
| Tier 3 | T3-DB-0096 | Tranche 1 Transition Design approved | Wed 17/05/23 | Wed 17/05/23 | | | | |
| Tier 3 | T3-DB-0097 | Interim release 1 Go live | Mon 12/06/23 | Mon 12/06/23 | | | | |
| Tier 3 | T3-DB-0081 | Interim release 2 Go live | Wed 05/07/23 | Wed 05/07/23 | | | | |
| Tier 3 | T3-DB-0083 | Interim release 3 Go live | Wed 02/08/23 | Wed 02/08/23 | | | | |
| Tier 3 | T3-DB-0085 | Tranche 2 Transition Design approved | Thu 03/08/23 | TBC | | | | Deferred. To be re-planned via monthly sessions with MTDSG members, starting w/c 03-Jul-23. Date-change CR to be raised, no impact expected |
| Tier 3 | T3-DB-0012 | Interim release 4 Go live | Wed 30/08/23 | Wed 30/08/23 | | | | |
| Tier 2 | T2-DB-0100 | Interim release 5 Go live | Wed 04/10/23 | Wed 04/10/23 | | | | |
| Tier 2 | T2-DB-0150 | Phase 1 - SIT Volunteers (Core Providers) complete | Fri 27/10/23 | Fri 27/10/23 | | | | |
| Tier 2 | T2-DB-0250 | Interim release 6 Go live | Wed 01/11/23 | Wed 01/11/23 | | | | |

# CR023 Decision

**DECISION:** Decision on approval of CR023 Standardisation of Interfaces within the Smart Data Services

*Programme (PMO)*

*10 mins*



## CR023 – Impact Assessment Summary

Slide has been updated

**Objective:**

**DAG to review the outputs of the reissued CR023 Impact Assessments and advise SRO on their decision to approve or reject the Change Request.**

**Headlines:**

- The majority of respondents to the Impact Assessment were in favour of implementing the Change Request.
- Overall: **19 respondents supported the change; 4 respondents rejected the change; and 3 respondents abstained.**
  - Suppliers, DNOs and Software Providers generally voted in favour of the Change Request, whilst Supplier and Independent Agents did not support the Change Request.
- **The supporters of the change highlighted the following items/themes to support their decision:**
  - The encouragement of competition within the SDS role through standardisation.
  - The benefits for end consumers.
  - The enablement of customer-own appointments.
- **Those who rejected the change did so stating the following themes:**
  - The risk of significant delays to M9.
  - The potential impact implementation could have on development and testing schedules.
  - Variants in benefits due to the optionality of implementing the design.
  - Uncertainties surrounding the MDR role.
- **Further feedback was provided by both supporting and rejecting respondents:**
  - The possibility of another IF-021 Variant (IF-021Vb) to allow the exchange of consumption information between Supplier (acting as their existing IS/ES) and SDS (PSS).
  - The potential impact on overall MHHS Qualification timescales.

A proposed implementation timeline for this Change Request will be presented to DAG in September, following approval of this CR.

# CR023 – Submitted Impact Assessments

Please see appendix for full detail on CR024 & CR025 Impact Assessment

| Programme Parties | CR023 Recommendations | | | |
|---|---|---|---|---|
| | Yes | No | Abstain | No Reply |
| Large Suppliers | 3 | - | 1 | 2 |
| Medium Suppliers | 1 | - | - | 6 |
| Small Suppliers | - | - | - | 33 |
| I&C | 5 | - | - | 36 |
| DNOs | 4 | - | - | 2 |
| iDNOs | - | - | - | 13 |
| Ind. Agents | 1 | 3 | - | 44 |
| Supplier Agents | - | - | 1 | 5 |
| S/W Providers | 3 | - | - | 22 |
| REC Code Manager | - | - | 1 | - |
| National Grid | - | - | - | 1 |
| Consumer | - | - | - | 1 |
| Elexon (Helix) | - | 1 | - | - |
| DCC | - | - | - | 1 |
| SRO / IM & LDP | 1 | - | - | - |
| IPA | - | - | - | 1 |
| Avanade | 1 | - | - | - |
| ***Totals*** | **19** | **4** | **3** | **167** |

**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 Supplier Agent abstained due to the Change Request having no impact on their activity or role.
- RECCo abstained as the Change Request has no impact on REC provisions, but noted the potential risk to overall MHHS Qualification timelines.
- One Large Supplier abstained, stating that although they didn't disagree with the introduction of standardised interfaces, there are still a lot of uncertainties around the MDR role, and the potential for differing MDR operating models should be handled and addressed by the Programme in a clear manner that was consistent across the various approaches Participants could employ.

## CR023 Impacts – Views on the proposed approach (Page 1)

| Programme Parties | Range of respondents' views on benefits and concerns (related to the approach in CR023) |
|---|---|
| **Large Suppliers** | + Three of the four responding Large Suppliers supported the Change Request.<br>+ The change is seen by one Large Supplier as essential to enable non-domestic customer own appointments and supports a more flexible TOM.<br>– One Large Supplier stated they believed the change would have a significant impact on timelines, cost, and resource. They believe it would delay M9 if it is agreed.<br>– It was stated by a Large Supplier that they wouldn't agree if this was a mandatory process.<br>▪ One Large Supplier abstained from responding to the Change Request. They don't disagree with the introduction of standardised interfaces within the MHHS operating model, but raised that there are still a lot of uncertainties around the MDR role.<br>▪ One Large Supplier stated that their support was based on the assumption that the additional effort required for an analytical phase to be undertaken by the MHHS Programme does not push out the timescales for the start of SIT.<br>▪ The timing of the implementation would impact the timelines for the Programme, and need to be considered and consulted on with the impacted participants to ensure the change is supported by sound design logic and a plan that can be implemented with minimal impact to the current SIT timelines. |
| **Medium Suppliers** | + The one responding Medium Supplier supported the Change Request.<br>+ They stated that expedited information on the new interface formats will assist participants in their scheduling.<br>– They raised that they had concerns regarding the limited timeframes between the functional phases for PIT, CIT and SIT, and the potential impact this could have on development and testing schedules, especially for Participants which have already concluded their functional PIT phase. |
| **Small Suppliers** | *Did not respond.* |
| **I&C** | + Five I&C Suppliers responded to the Change Request, all of which were in favour of its implementation.<br>+ Having a standardised format will help enable customer own appointments, which for a non-domestic supplier is vital. It will make qualification simpler to assess and encourages competition within the SDS role.<br>▪ One I&C Supplier requested clarity on whether suppliers as MDRs would need to provide additional test evidence. |
| **DNOs** | + Four DNOs responded to the Change Request, all of which were in favour of its implementation.<br>+ They potential delay is necessary. Having standardised interfaces will increase the range of MDR service configurations and contracting options available to MHHS parties, avoiding the need for bespoke development work and associated costs which should ultimately benefit end consumers.<br>▪ One DNO's support was dependent on there being no impact on the MPRS system, as long as both the DIP Webhook subscription functionality incorporates the optionality referenced in the change and that both the IF-06 and IF-26 are classified as secondary. |
| **iDNOs** | *Did not respond.* |

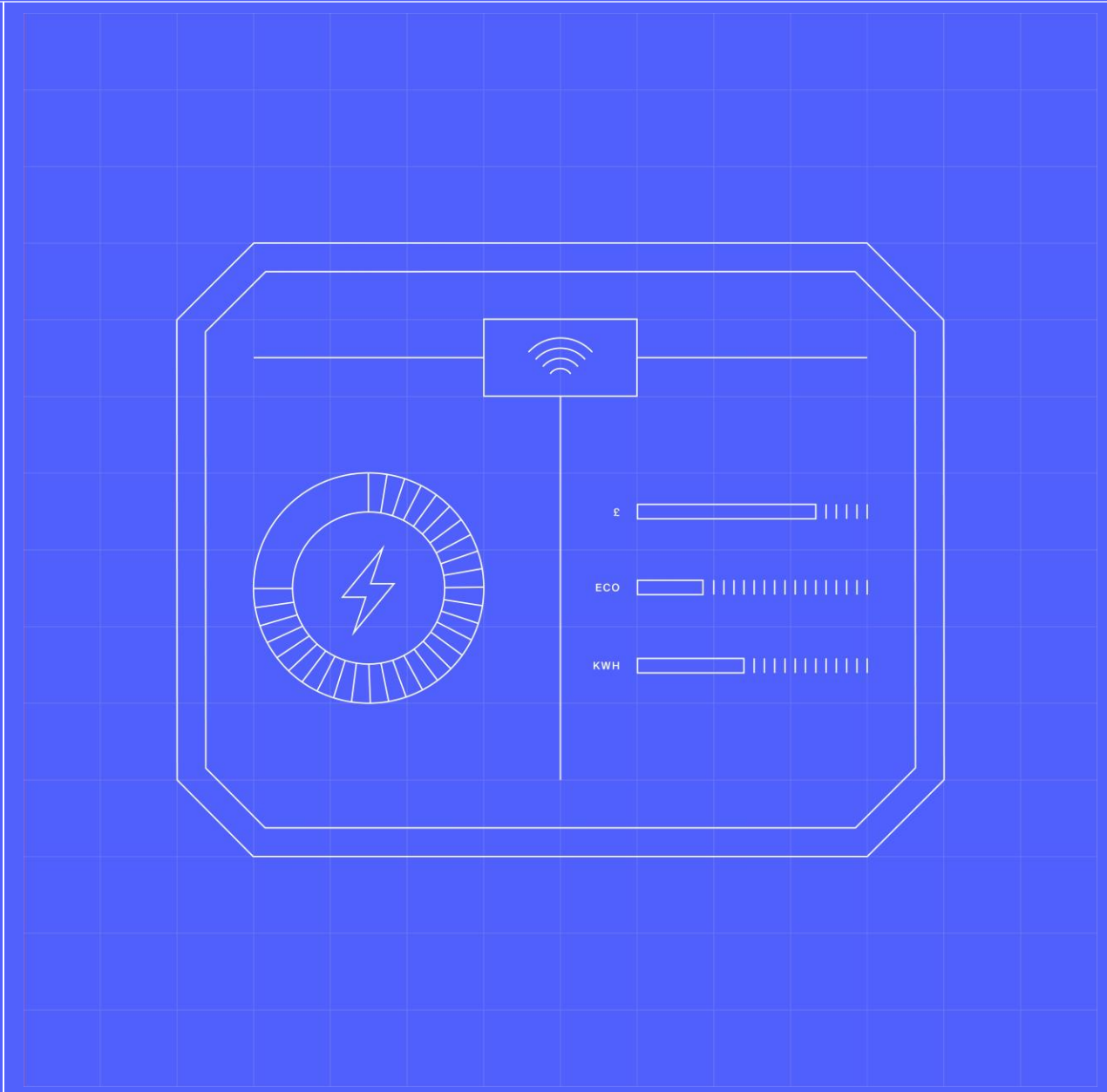
## CR023 Impacts – Views on the proposed approach (Page 2)

| Programme Parties | Range of respondents' views on benefits and concerns (related to the approach in CR023) |
|---|---|
| **Agents** | + One of the five responding Agents supported the Change Request. They stated that although they would generally disagree with standardisation in MHHS which doesn't already exist, they see a standard interface removes an item for consideration, which is particularly important where the relationship with the customer is direct rather than with the Supplier.<br>– Three of the five responding Agents rejected the Change Request.<br>– One rejecting Agent stated that well-designed bi-lateral interfacing arrangements do not present a significant barrier to a Supplier switching SDS agents. This is not a material enough problem to warrant approving this Change Request and the extra work it will create. The argument that this improves testing and qualification falls down as there are no plans to test non-standard interactions between SDS sub-roles, the proposed solution is optional, and Suppliers and their preferred SDS are tested independently.<br>– The proposed solution introduces additional complexity that is not necessary to facilitate an optional interface for consumption data exchange. The impact of this additional complexity and cost/resource implications are a risk to delivering SIT.<br>▪ One Agent abstained, stating that the Change Request has no impact on their activity or role. |
| **S/W Providers** | + Three Software Providers responded to the Change Request, all of which were in favour of its implementation.<br>– One Software Provider stated in their response that there is no proven benefit to SIT, and that as part of the Change Request implementation decision it would be beneficial to have the release date confirmed. They noted that it would only benefit those in qualification who choose to use the optional design. If the Change Request was mandated then the benefits would be realised in full.<br>▪ One Software Provider identified an additional simplification and saving that could be achieved through the Change Request, by considering another IF-021 Variant (IF-021Vb) to allow the exchange of consumption information between Supplier (acting as their existing IS/ES) and SDS (PSS). This could be used to remove duplicate SRV4* requests needing to be issued by the DCC (with the current TOM these will be sent to Supplier IS/ES for billing and MDR for settlement). |
| **REC Code Manager** | ▪ RECCo abstained from voting on the Change Request as it does not impact REC provisions. However, they noted that the inclusion of MDRs as DIP Users may result in additional BSC qualification activities, which would impact the joint qualification documents that RECCo is developing with BSC colleagues and may also impact overall MHHS Qualification timescales. |
| **National Grid** | *Did not respond.* |
| **Consumer** | *Did not respond.* |

## CR023 Impacts – Views on the proposed approach (Page 3)

| Programme Parties | Range of respondents' views on benefits and concerns (related to the approach in CR023) |
|---|---|
| **Elexon (Helix)** | – Elexon are not in favour of implementing the Change Request.<br>– They stated that any change to the current approach could increase rather than streamline the BSC Qualification process for MHHS. They would need to re-assess the requirements, approach and timescales based on any MDR requirements which may fall under BSC governance. |
| **SRO / IM & LDP** | + The Programme voted in favour of implementing the Change Request, on the basis that they support the principle of what the Change Request is seeking to achieve.<br>– However, they noted that the current design does work, and it not broken.<br>– The optionality provided in the Change Request negates the benefits for SIT testing and is unlikely to form part of SIT testing, as these interfaces are downstream of the SDS role.<br>▪ With regards implementation, the Change Request would need to be scheduled until after testing, but no later than M10 (March 2025). |
| **DCC** | *Did not respond.* |
| **IPA** | *Did not respond.* |
| **Avanade** | + Avanade support the implementation of the Change Request.<br>▪ The following risks were raised: schedule, the DIP SP assesses that this change cannot be delivered for M9; complexity, message specific routing, configuration or logic may be required within the DIP that is not immediately obvious – risk to effort and cost associated with the change. |

# CR024 Decision




**DECISION:** Decision on approval of CR024 Alignment of Data Item Names and Descriptions

*Programme (PMO)*

*10 mins*

## CR024 v1.2 – Impact Assessment Summary

**Objective:**

**DAG to review the outputs of the reissued CR024 Impact Assessments and advise SRO on their decision to approve or reject the Change Requests.**

**Headlines:**

- The vast majority of respondents to the Impact Assessment were in favour of implementing the Change Request.
- Overall: **21 respondents supported the change; 0 respondents rejected the change; 1 respondent abstained.**
    - Of the 21 supporters, **4 stated that their support is subject to conditions.**
    - These conditions are as follows: the raising of a DIN to cover the differences between the specifics of the Change Request and the current Physical Data Item Catalogue (from three respondents); and flexibility in implementation timelines (from the Programme).
    - 3 supporting respondents had previously rejected the Change Request.
- **The supporters of the change highlighted the following items to support their decision:**
    - The use of terms should be consistent across Participants and Code Bodies, which the change facilitates.
    - Alignment of design and code will bring clarity.
- **Alongside the recommended conditions in the attached document, those who agreed to CR024 also raised the following considerations:**
- Metering Services should be used as an umbrella term for MOA and UMSO as they are fundamentally different services.
    - The risk of disrupting Programme timelines, particularly testing.

**If approved, the Programme will implement CR024 at the earliest convenience, and no later than M10 (March 2025).**

# CR024 v1.2 – Submitted Impact Assessments



| Programme Parties | CR024 v1.2 Recommendations | | | |
|---|---|---|---|---|
| | Yes | No | Abstain | No Reply |
| Large Suppliers | 2 | - | - | 4 |
| Medium Suppliers | 1 | - | - | 6 |
| Small Suppliers | - | - | - | 33 |
| I&C | 2 | - | - | 39 |
| DNOs | 4 | - | - | 2 |
| iDNOs | - | - | - | 13 |
| Ind. Agents | 3 | - | 1 | 44 |
| Supplier Agents | 1 | - | - | 5 |
| S/W Providers | 4 | - | - | 21 |
| REC Code Manager | 1 | - | - | - |
| National Grid | 1 | - | - | - |
| Consumer | - | - | - | 1 |
| Elexon (Helix) | 1 | - | - | - |
| DCC | - | - | - | 1 |
| SRO / IM & LDP | 1 | - | - | - |
| IPA | - | - | - | 1 |
| Avanade | - | - | - | 1 |
| ***Totals*** | **21** | **0** | **1** | **172** |

**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 Independent Agent stated that insufficient material was provided on the impact of the change to make a data based assessment on the cost vs value implications of the change.

## CR024 v1.2 Impacts – Views on the proposed approach (Page 1)

| Programme Parties | Range of respondents' views on benefits and concerns (related to the approach in CR024 v1.2) |
|---|---|
| **Large Suppliers** | + Two large suppliers responded to the Impact Assessment, both of which supported the Change Request.<br>+ They agreed that aligning design and code would bring clarity.<br>▪ One large supplier has requested clarity on how the time element is intended to be captured in DES138. |
| **Medium Suppliers** | + One medium supplier responded to the Impact Assessment, and supported the Change Request. They raised no concerns. |
| **Small Suppliers** | *Did not respond.* |
| **I&C** | + Two I&C suppliers responded to the Impact Assessment, both of which supported the Change Request. They raised no concerns. |
| **DNOs** | + Three DNOs responded to the Impact Assessment, all of which supported the Change Request.<br>+ There was particular support noted regarding Supplier IDs.<br>– One responding DNO noted that their support was conditional to the raising of a DIN to cover the differences between the specifics of the Change Request and the current Physical Data Item Catalogue.<br>– One DNO stated that they did not believe Metering Services should be used as an umbrella term for MOA and UMSO as they are fundamentally different services. |
| **iDNOs** | *Did not respond.* |
| **Agents** | + Four of the responding agents supported the Change Request.<br>+ They agreed that it was beneficial to introduce consistent definitions.<br>+ Clarity before code drafting will reduce the effort required in reviewing the code drafting.<br>– One Agent abstained from supporting or rejecting the Change Request on the basis that insufficient material had been provided on the impact of the change to make a data-based assessment on the cost vs value of implementing the proposed changes.<br>– They raised the risk of disrupting CIT and subsequent testing phases.<br>– One supporting agent raised concerns that the implementation of the change could impact their schedule, costs and resources, and add risk to SIT Functional readiness. |

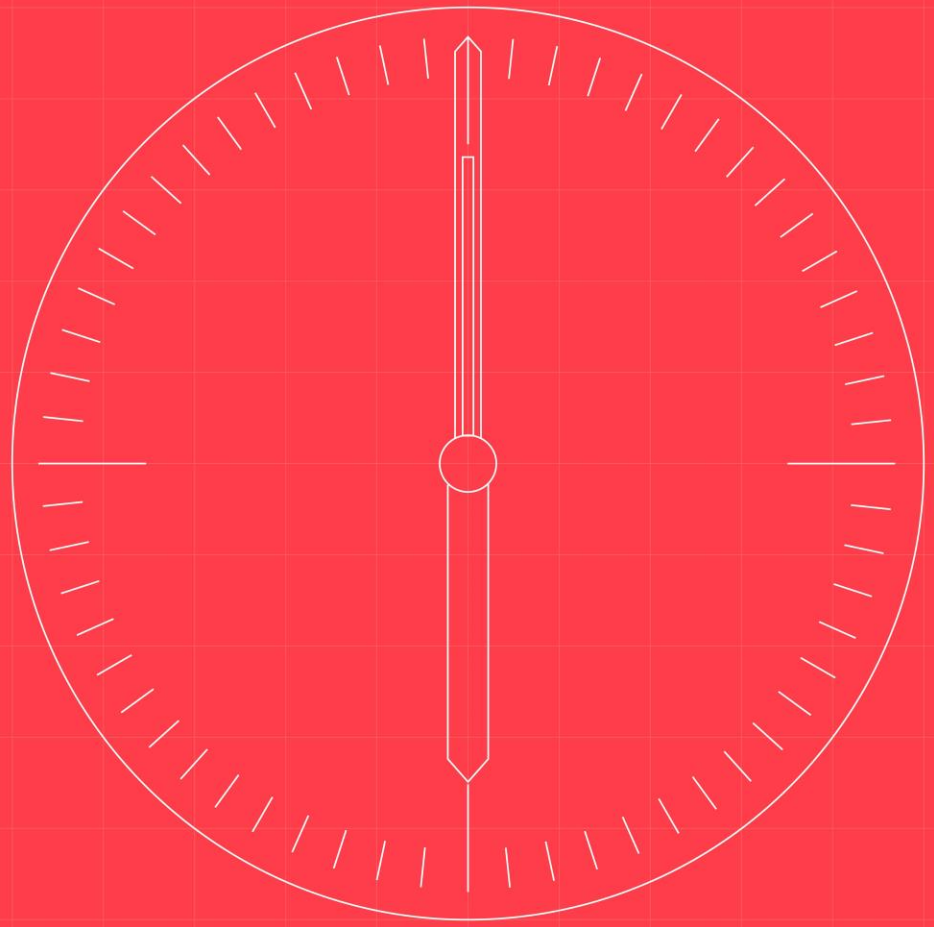
## CR024 v1.2 Impacts – Views on the proposed approach (Page 2)

| Programme Parties | Range of respondents' views on benefits and concerns (related to the approach in CR024 v1.2) |
|---|---|
| **S/W Providers** | + Four software providers responded to the Impact Assessment, all of which supported the Change Request.<br>– One software provider noted that their support was conditional to the raising of a DIN to cover the differences between the specifics of the Change Request and the current Physical Data Item Catalogue.<br>▪ One software provider raised the importance of implementing the changes before dev/test activities to prevent having to rework code.<br>▪ To reduce ambiguity and further changes, one software provider suggested that it would be useful to see red-lined changes to other design artefacts included, rather than the accompanying information with this CR. These artefacts could include, but not be limited to, the DES138 Interface Catalogue, JSON specifications and YAML specifications, for example. |
| **REC Code Manager** | + As Change Raiser, RECCo supports the implementation of the Change Request. |
| **National Grid** | + ESO agreed with the change and the stated benefits – in particular, standardising data item definitions with code terminology to reduce the risk of confusion and rework further down the line. |
| **Consumer** | *Did not respond.* |
| **Elexon (Helix)** | + Elexon (Helix) are supportive of the Change Request |
| **SRO / IM & LDP** | + The Programme conditionally support the Change Request. They had previously rejected the Change Request.<br>– The Programme will not be able to fulfil the requirements within the timelines proposed by the Change Raiser, but will implement the change at the earliest opportunity and no later than M10 (March 2025). |
| **IPA** | *Did not respond.* |
| **Avanade** | *Did not respond.* |

## CR024 v1.2 – Suggested Amendments and Flags

| *St Clements raised concerns around the following changes as they will now differ significantly from the Physical (YAML) Name:* | | |
|---|---|---|
| **Original** | **CR024** | **YAML** |
| DI-048 Meter Manufacturer | Manufacturers Make and Type | meterManufacturer |
| DI-151 Linked MPAN Energy Direction | Associated MPAN Energy Direction | linkedMPANEnergyDirection |
| DI-849 CSS Registration Request ID | CSS Registration Id | CSSRegistrationRequestID |
| DI-038 Linked Import_Export MPAN | Associated Import/Export MSID | linkedImportExportMPAN |

# CR027 Decision



**DECISION:** Decision on approval of CR027 DUoS E-Billing DIP message for MHHS

*Programme (PMO)*

*10 mins*

## CR027 – Impact Assessment Summary

**Objective:**

**DAG to review the outputs of the reissued CR027 Impact Assessments and advise SRO on their decision to approve or reject the Change Request.**

**Headlines:**

- The majority of respondents to the Impact Assessment were in favour of implementing the Change Request.
- Overall: **19 respondents supported the change; 3 respondents rejected the change; and 7 respondent abstained.**
  - Of the 19 supporters, **3 stated that their support is subject to conditions.**
  - These conditions are as follows: for DIP to be the enduring solution for market messages going forward; for e-billing itself to not be mandated; and for a CCN requirement (from Avanade).
- DNOs and iDNOs generally voted in favour of the Change Request, whilst responses from suppliers were mixed.
- **The supporters of the change highlighted the following items/themes to support their decision:**
  - Modernisation of billing and embracing new technologies
  - Protecting and managing revenue and cash flow.
  - Preventing duplication outside of the DIP.
- **Those who voted against the Change Request did so on the following basis:**
  - Benefits are not realised whilst the D2021 invoice is received over the DIP whilst the D2026 remittance is returned via the DTN.
  - Concerns around e-billing becoming mandated for those who do not currently use it.
- **Additional risks were raised:**
  - Impacting Programme timelines.
  - Flexibility of DIP messaging, notably the requirement for postcodes, and the lack of ability to add notes.

## CR027 – Submitted Impact Assessments

| Programme Parties | CR027 Recommendations | | | |
|---|---|---|---|---|
| | Yes | No | Abstain | No Reply |
| Large Suppliers | 3 | 1 | - | 2 |
| Medium Suppliers | 1 | - | - | 6 |
| Small Suppliers | - | - | - | 33 |
| I&C | 2 | 1 | - | 38 |
| DNOs | 6 | - | - | - |
| iDNOs | 4 | 1 | - | 8 |
| Ind. Agents | - | - | 2 | 45 |
| Supplier Agents | - | - | - | 6 |
| S/W Providers | 1 | - | - | 24 |
| REC Code Manager | - | - | 1 | - |
| National Grid | - | - | 1 | - |
| Consumer | - | - | - | 1 |
| Elexon (Helix) | - | - | 1 | - |
| DCC | - | - | 1 | - |
| SRO / IM & LDP | 1 | - | - | - |
| IPA | - | - | - | 1 |
| Avanade | 1 | - | - | - |
| Central Parties | - | - | 1 | - |
| ***Totals*** | **19** | **3** | **7** | **164** |

**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:

- National Grid ESO abstained from responding as the change does not impact them.
- RECCo abstained from responding as the change does not impact REC provisions.
- An Independent Agent abstained from responding as they expected no direct impact from the change.

## CR027 Impacts – Views on the proposed approach (Page 1)

| Programme Parties | Range of respondents' views on benefits and concerns (related to the approach in CR027) |
|---|---|
| **Large Suppliers** | + Four Large Suppliers responded to the Impact Assessment, three of which supported the implementation of the Change Request.<br>+ They supported the modernisation of LDSO invoices and the standardising of message flows.<br>+ The change would remove risk to distributor revenue and code obligations for suppliers on invoice settlement.<br>– The rejecting Large Supplier agreed with the principles of the change but listed the following dependencies: whether or not the change incorporates iDNOs, how the response to D2021 with D2026 would be shaped; how the period from MPAN migration will be managed; and the replacement of D2021.<br>– One supporting respondent raised the risk of impacting Programme timescales.<br>– Another supporting respondent called out the challenge of implementing the change ahead of SIT, and the need for a Programme-wide assessment to validate if this is achievable. |
| **Medium Suppliers** | + The one responding Medium Supplier supported the implementation of the Change Request.<br>– Although supportive of the change, they raised the risk of impacting schedules due to the requirement of additional development and testing. |
| **Small Suppliers** | *Did not respond.* |
| **I&C** | + Two of the three responding I&C Suppliers were supportive of the Change Request.<br>+ Their support was provided on the basis that the DIP will be the enduring solution for market messages going forward.<br>– One of the responding I&C Suppliers rejected the Change Request.<br>– They were supportive of the intentions to move site specific DUoS charging provision over the DIP, however we feel the benefits case is not realised whilst the D2021 invoice is received over the DIP whilst the D2026 remittance is returned via the DTN. In order for benefits to be realised, both need to be DIP derived. |
| **DNOs** | + Six DNOs responded to the Impact Assessment, all of which were in favour of implementing the Change Request.<br>+ Not implementing the change could negatively impact DNOs' ability to recover DUoS charges in a timely manager. This has a much wider and significant impact on a DNOs ability to effectively manage cash flow, which could have adverse implications for DNO short term finances and could in the long term increase costs to customers.<br>+ It is better to recognise the new technology and embrace that, rather than adapting the old.<br>+ The change would ensure the continuous recovery of revenue as efficiently as possible.<br>+ The implementation of this change removes significant risk from the end-to-end DUoS billing process for LDSOs in particular and also assists Suppliers involved in the same process, while not materially increasing the overall scope of the MHHS Programme.<br>– The following potential risks were raised: maximum message size allowed to be sent over the DIP; Pattern B for sending REP messages; zipping of messages to accommodate the maximum message size.<br>– One respondent noted the following: a workaround for offshore suppliers who do not have postal codes; the ability to add notes intro invoices. |

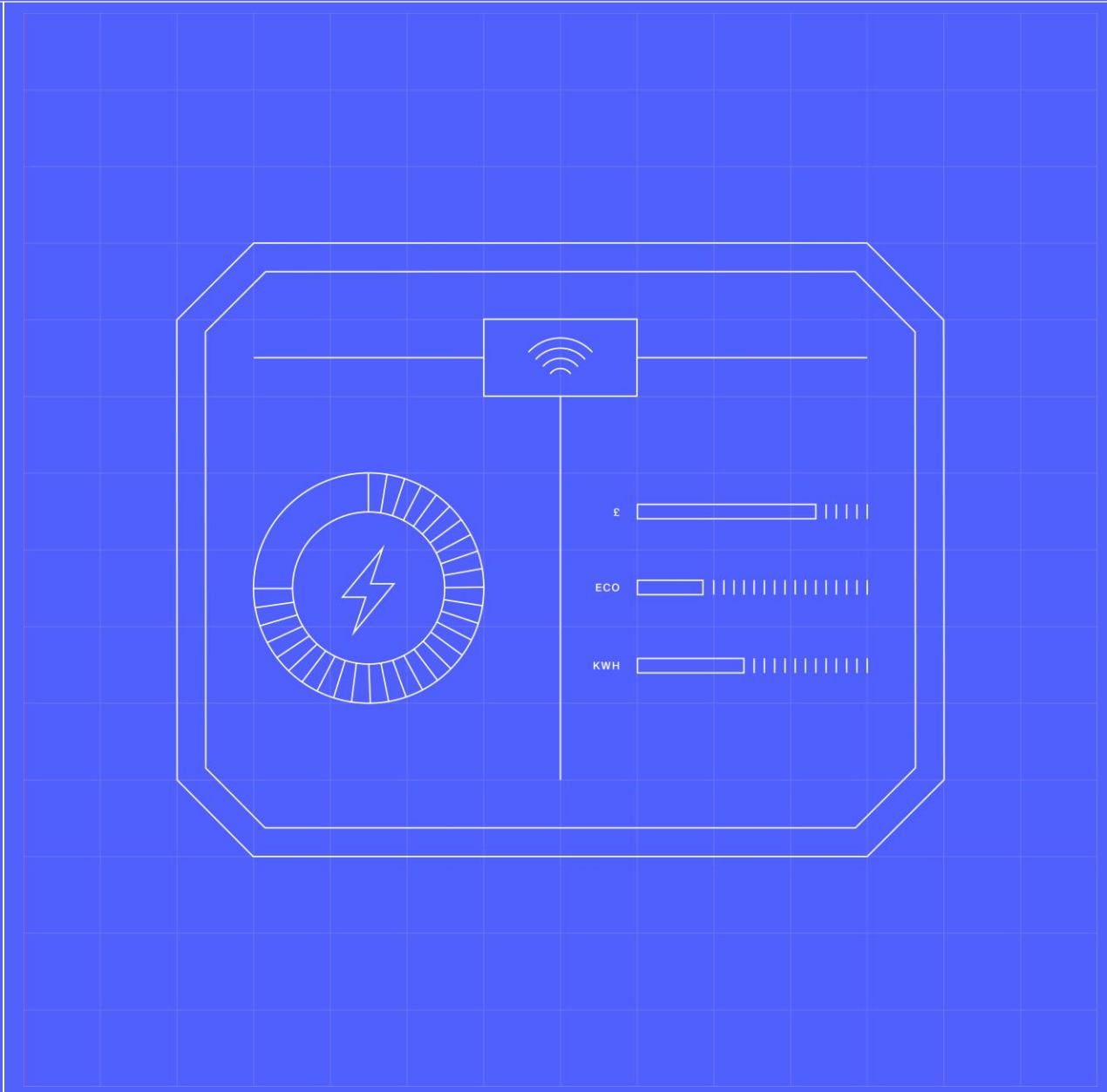
## CR027 Impacts – Views on the proposed approach (Page 2)

| Programme Parties | Range of respondents' views on benefits and concerns (related to the approach in CR027) |
|---|---|
| **iDNOs** | + Four of the five responding DNOs supported the implementation of the Change Request.<br>+ The proposed change prevents duplication outside of the DIP.<br>– One iDNO reject the Change Request, arguing that only those Parties currently subscribed and using the Electralink's e-Billing commercial should be mandated to support the new DIP message.<br>▪ One iDNOs support was given on the basis that for existing parties utilising e-billing, they will be mandated to utilise the DIP flow rather than the existing D-flow, and that the e-billing itself is not mandated.<br>▪ Clarification was requested as to whether the Change Request proposes mandating the use of the DIP flow for all LDSO and Supplier parties. Currently e-Billing is optional under DCUSA. |
| **Agents** | ▪ Two Agents responded to the Impact Assessment, both of which abstained from voting on the Change Request.<br>▪ One respondent highlighted three issues with the proposed changes: the IF-021 will be routed to LDSOs for all unmetered MPANs, of which there will be around 20,000 in MHHS (after NHH have moved to HH), LDSOs should consider whether they want all this data, or whether they will rely on the aggregated data coming from central systems for DUoS billing; the consideration of the DIP constraints on the size of messages; the introduction of potential charges for de-energised MPANs. |
| **S/W Providers** | + The one responding Software Provider voted in favour of implementing the Change Request. |
| **REC Code Manager** | ▪ RECCo has abstained from voting on this change as there is no impact on REC provisions.<br>▪ They noted that the new interface includes a number of new data items. Before release into the DES138, the missing data item attributes such as data item descriptions will need to be populated. |
| **National Grid** | ▪ National Grid abstained from voting as the change does not impact them. |
| **Consumer** | *Did not respond.* |
| **Elexon (Helix)** | ▪ Elexon abstained from voting. |
| **SRO / IM & LDP** | + The Programme is supportive of the change. The Programme will work on the implementation alongside CR019 with a target of Interim Release 5. |

## CR027 Impacts – Views on the proposed approach (Page 3)

| Programme Parties | Range of respondents' views on benefits and concerns (related to the approach in CR027) |
|---|---|
| **Avanade** | + Avanade support the implementation of the Change Request, subject to a CCN which will be required.<br>+ The DIP SP assessment is that it feasible to deliver the change in line with the existing programme milestones.<br>▪ The following risks were highlighted: complexity, message specific routing, configuration or logic may be required within the DIP that is not immediately obvious within the supporting documentation provided – risk to effort and cost associated with the change; schedule, volume of changes impacting the DIP introduces risk to timescales for delivery – prioritisation of change may therefore be required. |
| **IPA** | *Did not respond.* |
| **Central Party** | ▪ Electralink abstained from voting on the Change Request as they do not have a view on whether this will improve the process from a Distributor / LDSOs.<br>▪ They will will continue to offer of DUoS e-billing service to the market, whilst Participants require it. |

# CR028 Approval for Impact Assessment




**DECISION:** Decision to approve CR028 EES and SDEO Requirements for Impact Assessment

*RECCo (Jonny Moore)*

*10 mins*

MHHS PROGRAMME
Industry-led, Elexon facilitated

## CR028 overview

**Objective: DAG to validate CR028 for Impact Assessment**

### Corrections to EES and SDEP Requirements

**Issue Statement:**

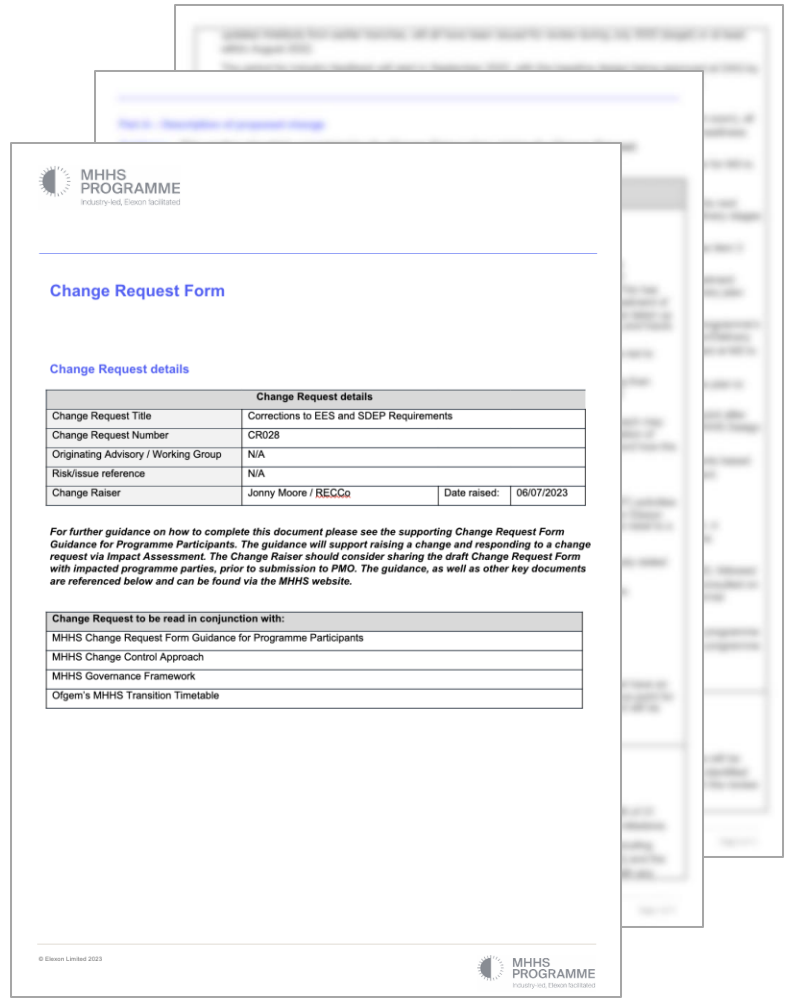
- Since MHHS Document BRS006 'EES and SDEP Requirements' was issued, a number of changes to the EES and SDEP requirements have been agreed through the Consequential Change Impact Assessment Group (CCIAG) and the REC MHHS Stakeholder Advisory Group (MSAG) with amendments also becoming apparent through the detailed EES design. This Change Request has been raised to update the BRS006 in line with these decisions.

**Description of change:**

- The change would see MHHS Design Artefact BRS006 'EES and SDEP Requirements' being made into a formal requirement document, with formal MHHS obligations outlined for the EES.
- The following references would be removed from BRS006: *DIP EZ Name; receipt of PUB-001; receipt of PUB-035; ECOES*.
- The following requirements would be removed from BRS006: *searches by MSN or MPAN; searches by Meter Type or Manufacturer; provision of reporting to support DIP Initialisation*.
- The following would be added to BRS006: *clarity around timings of EES updates; receipt of PUB-047.*
- *It is proposed that all SDEP Requirements are removed from BRS006*.

**Target date of change and next steps:**

- The Change Raiser suggests that the change should be implemented by 31 October 2023.
- If DAG validate this Change Request, the Change Request issued for Impact Assessment on 10th August 2023.



MHHS PROGRAMME
Industry-led, Elexon facilitated

Change Request Form

Change Request details

| Change Request details | | | |
|---|---|---|---|
| Change Request Title | Corrections to EES and SDEP Requirements | | |
| Change Request Number | CR028 | | |
| Originating Advisory / Working Group | N/A | | |
| Risk/issue reference | N/A | | |
| Change Raiser | Jonny Moore / RECCo | Date raised: | 06/07/2023 |

***For further guidance on how to complete this document please see the supporting Change Request Form Guidance for Programme Participants. The guidance will support raising a change and responding to a change request via Impact Assessment. The Change Raiser should consider sharing the draft Change Request Form with impacted programme parties, prior to submission to PMO. The guidance, as well as other key documents are referenced below and can be found via the MHHS website.***

| Change Request to be read in conjunction with: |
|---|
| MHHS Change Request Form Guidance for Programme Participants |
| MHHS Change Control Approach |
| MHHS Governance Framework |
| Ofgem's MHHS Transition Timetable |

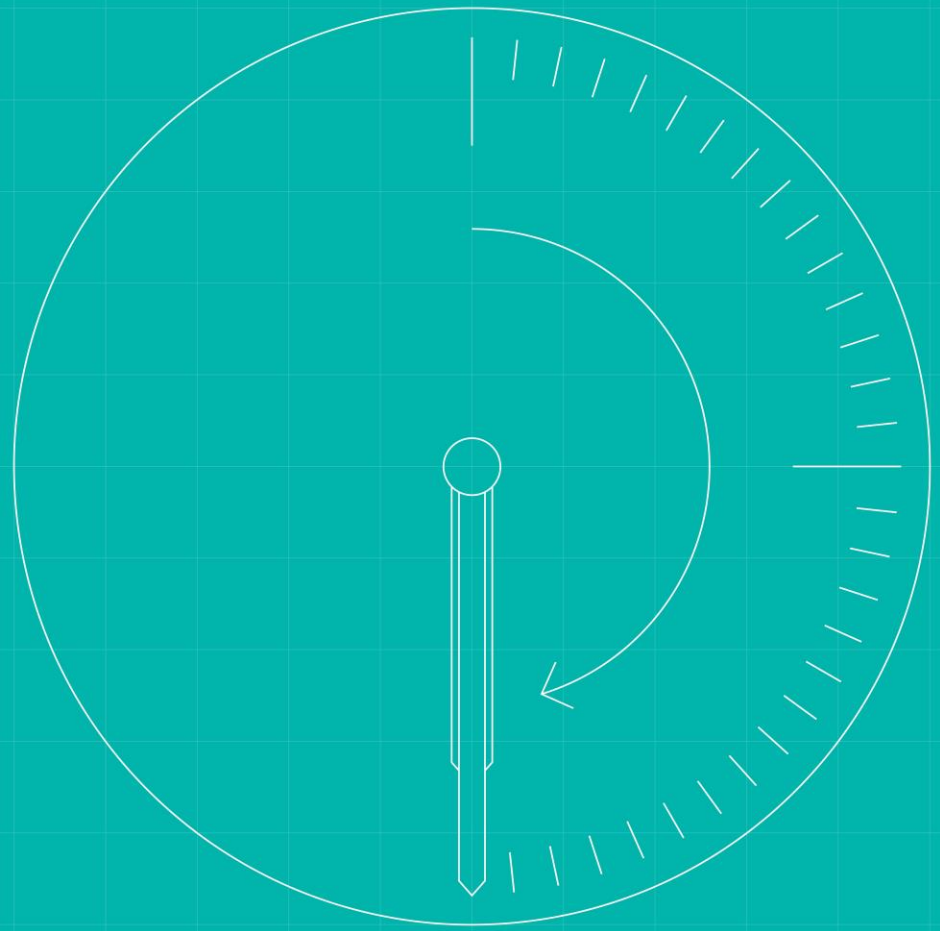
© Elexon Limited 2023

MHHS PROGRAMME
Industry-led, Elexon facilitated

***MHHS-DEL1410 CR028 Draft***

8

# CR029 Approval for Impact Assessment



**DECISION:** Decision to approve CR029 DIP LDSO Interface Processing for Impact Assessment

*NGED (Rachel Prosser)*

*10 mins*

MHHS PROGRAMME
Industry-led, Elexon facilitated

## CR029 overview

**Objective: Change Board to validate CR029 and agree on next steps**

### DIP LDSO Interface Processing

**Issue Statement:**

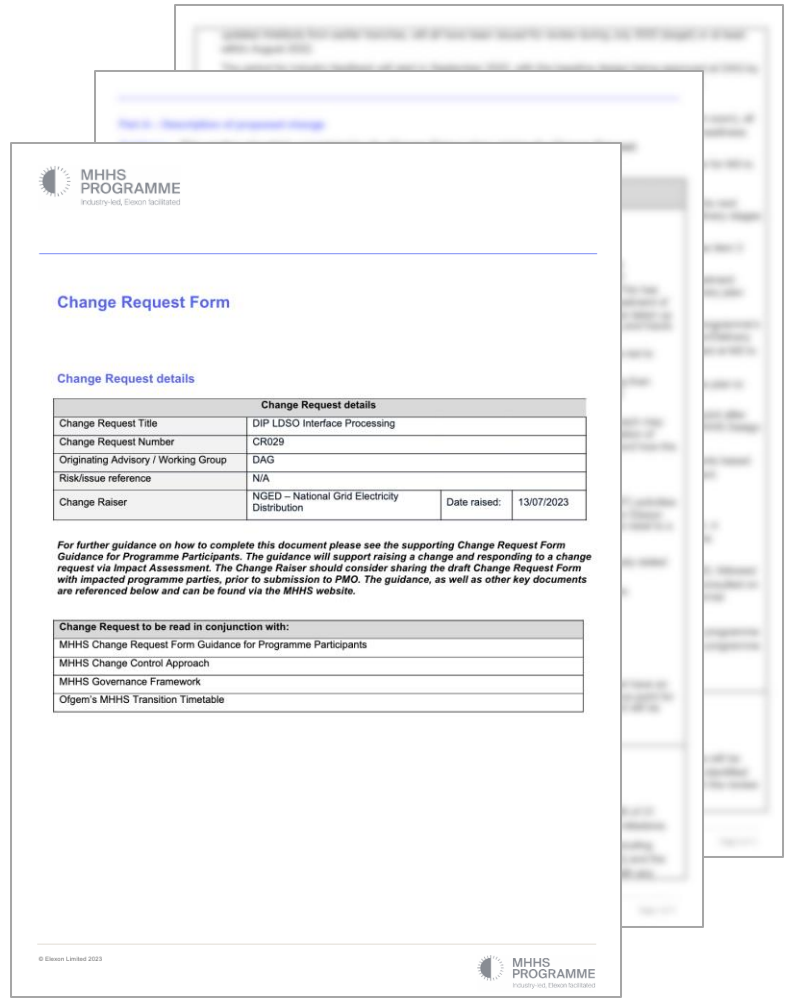
- The MHHSP-DES138-Interface Catalogue provides for a significant number of new technical interfaces which are designed to be sent to Licenced Distributor Systems Operator (LDSO) via the industry Data Integration Platform (DIP).
- In many cases LDSOs already have existing established internal system interfaces and business processes designed to synchronise this data across systems.
- The duplication of data across existing and DIP interfaces makes ingestion of many of the new DIP interfaces (PUB-) redundant from a business outcome perspective and the requirement to build and test new DIP interfaces in LDSO systems incurs unnecessary development and testing costs which brings no defined benefit to customers.

**Description of change:**

- To avoid unnecessary development and testing effort and incurring costs which bring no defined benefit to customers the following caveat will apply to the MHHSP-DES138-Interface Catalogue:
- "*Where a DIP message interface (IF-) is directed to the LDSO role then consumption of the incoming PUB-message shall be optional at the discretion of individual LDSO's providing that:*
    - *the associated Business Process Design's (BPD) do not require the sending of any outbound DIP interfaces (IF-) in response to receipt/processing of the PUB message*
    - *the LDSO warrants that existing equivalent internal systems interfaces/business processes are implemented for dealing with any corresponding non-DIP requirements e.g. sending of a data flow via the DTN gateway*".
- LDSOs who do not wish to process any of the specified PUB- interfaces are not required to subscribe to those message types in the DIP. Unsubscribed messages will expire within the DIP and be moved to a 'dead letter' queue.

**Target date of change and next steps:**

- The Change Raiser seeks a decision as soon as possible.
- If DAG validate this Change Request, the Change Request issued for Impact Assessment on 10th August 2023.



MHHS PROGRAMME
Industry-led, Elexon facilitated

Change Request Form

Change Request details

| Change Request details | | | |
|---|---|---|---|
| Change Request Title | DIP LDSO Interface Processing | | |
| Change Request Number | CR029 | | |
| Originating Advisory / Working Group | DAG | | |
| Risk/issue reference | N/A | | |
| Change Raiser | NGED – National Grid Electricity Distribution | Date raised: | 13/07/2023 |

***For further guidance on how to complete this document please see the supporting Change Request Form Guidance for Programme Participants. The guidance will support raising a change and responding to a change request via Impact Assessment. The Change Raiser should consider sharing the draft Change Request Form with impacted programme parties, prior to submission to PMO. The guidance, as well as other key documents are referenced below and can be found via the MHHS website.***

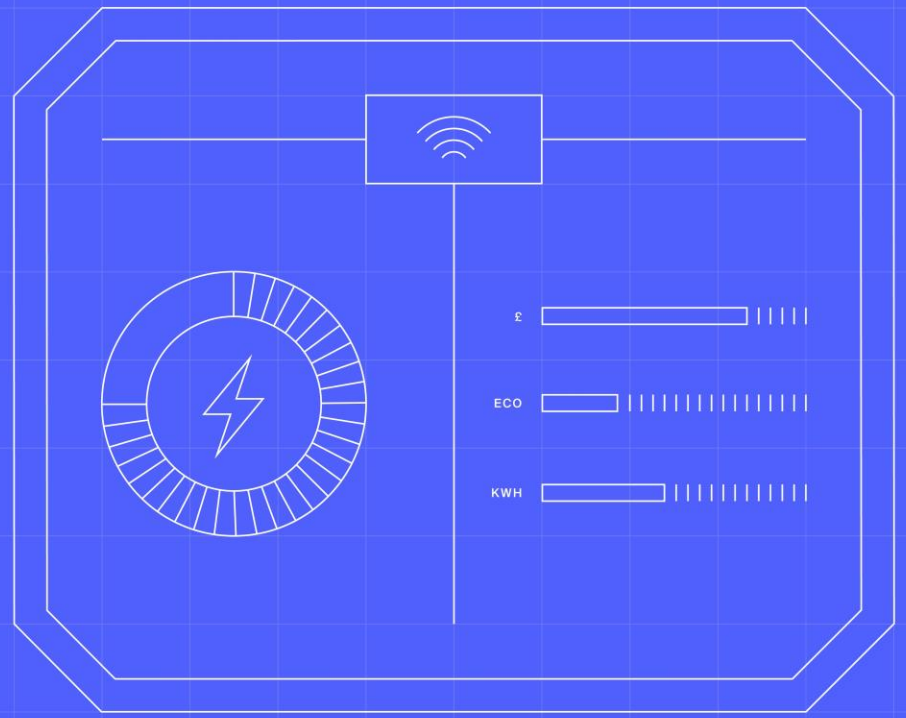
| Change Request to be read in conjunction with: |
|---|
| MHHS Change Request Form Guidance for Programme Participants |
| MHHS Change Control Approach |
| MHHS Governance Framework |
| Ofgem's MHHS Transition Timetable |

© Elexon Limited 2023

MHHS PROGRAMME
Industry-led, Elexon facilitated

***MHHS-DEL1428 CR029 Draft***

# CR030 Approval for Impact Assessment




**DECISION:** Decision to approve CR030 Introduction of Compressed Payloads into DIP Messages

*Programme (Rob Golding)*

*10 mins*

## CR030 overview

**Objective: Change Board to validate CR030 and agree on next steps**

### Introduction of Compressed Payloads into DIP Messages

**Issue Statement:**

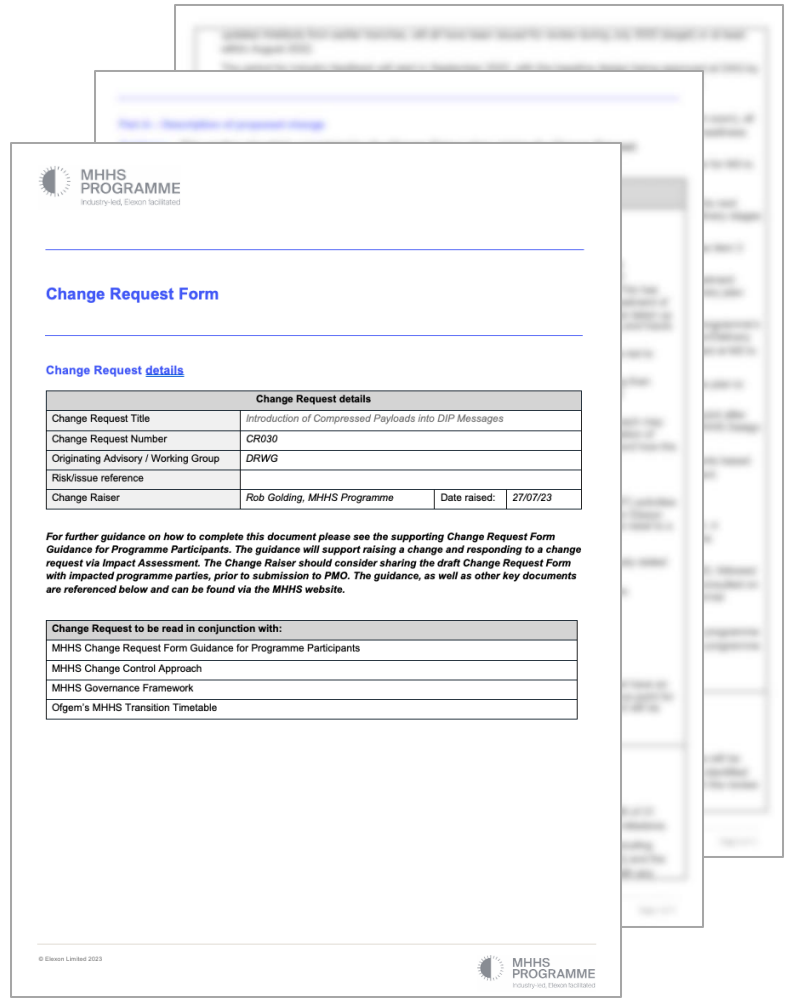
- Detailed analysis of the some of the ECS reports, specifically REP003, has found that some of the reports can potentially grow to a very large size ~ 12MB.
- Within MHHS message design there is a notional upper limit for the size of messages which is 1MB, and hence these messages will exceed this constraint.

**Description of change:**

- The proposal is to introduce a new message pattern within the DIP to include compressed payload where the message payload is 'compressed' and base64 bit encoded before it is written to the message and sent.
- Messages currently comprise of two blocks – a CommonBlock and a CustomBlock. The proposal is that the Sender (ECS) compresses the report and base64 encodes the data into the CustomBlock. The recipient will know that a specific message flow is compressed, and hence will need to decompress the payload.
- The proposal is to add the compression to all ECS Reports using Pattern A. This introduces uniformity of design and future proofs the solution in the event of any further changes/additions to the ECS reports during or following the completion of the MHHS Programme.
- The payload compression will be implemented via gzip.

**Target date of change and next steps:**

- The Change Raiser seeks a decision as soon as possible.
- If DAG validate this Change Request, the Change Request issued for Impact Assessment on 10th August 2023.



MHHS PROGRAMME
Industry-led, Elexon facilitated

Change Request Form

Change Request details

| Change Request details | | | |
|---|---|---|---|
| Change Request Title | *Introduction of Compressed Payloads into DIP Messages* | | |
| Change Request Number | *CR030* | | |
| Originating Advisory / Working Group | *DRWG* | | |
| Risk/issue reference | | | |
| Change Raiser | *Rob Golding, MHHS Programme* | Date raised: | *27/07/23* |

***For further guidance on how to complete this document please see the supporting Change Request Form Guidance for Programme Participants. The guidance will support raising a change and responding to a change request via Impact Assessment. The Change Raiser should consider sharing the draft Change Request Form with impacted programme parties, prior to submission to PMO. The guidance, as well as other key documents are referenced below and can be found via the MHHS website.***

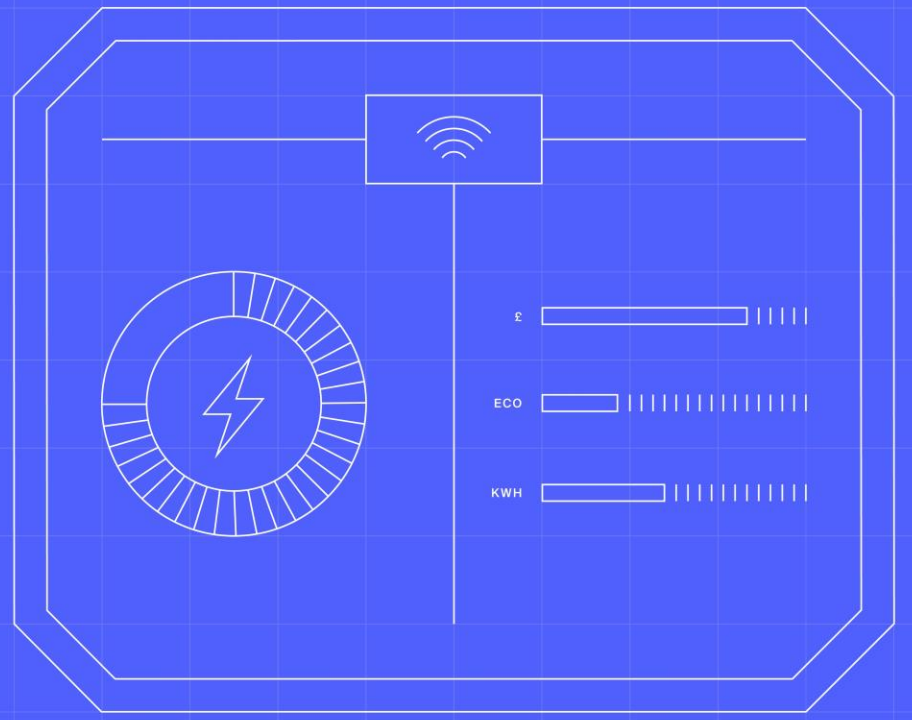
| Change Request to be read in conjunction with: |
|---|
| MHHS Change Request Form Guidance for Programme Participants |
| MHHS Change Control Approach |
| MHHS Governance Framework |
| Ofgem's MHHS Transition Timetable |

© Elexon Limited 2023

MHHS PROGRAMME
Industry-led, Elexon facilitated

***MHHS-DEL1475 CR030 Draft***

# DES-196 D-Flow and Interface Mapping




**DECISION**: Decision to approve supplementary documents

*Programme (Kevin Spencer)*

*10 mins*

The Market-wide Half-Hourly Settlement (MHHS) Programme has published the end-to-end design artefacts that will underpin the operation of the MHHS Target Operating Model.

A supplementary design artefact 'MHHSP-DES196 - D-Flow and Interface Mapping v1.0' was approved by the Design Advisory Group (DAG) in July 2023, setting out the impact of MHHS on messages sent over the Data Transfer Network (DTN).

The changes to DTN messages as a result of the implementation of the new MHHS arrangements can be broken down into two broad categories:

- Generic changes impacting all messages such as adding scenario variants to cover the new MHHS services (i.e. Data Services where previously flows were sent or received by Data Collectors);
- Specific changes to DTN messages and data items as a result of new or amended MHHS data items and the use of these messages within new or revised business processes.

Following a consultation in March 2023, the attached document summarises the changes to BSC-owned messages, and its output will be fed into the interface drafting for all impacted DTN messages.

**This document is intended to serve as a complement to DES-196, setting out the lower-level detail of new Scenario Variants of existing flows, and the content of new ECS Reports that will be sent over the DTN.**

.

The DAG are requested to review the below decision:

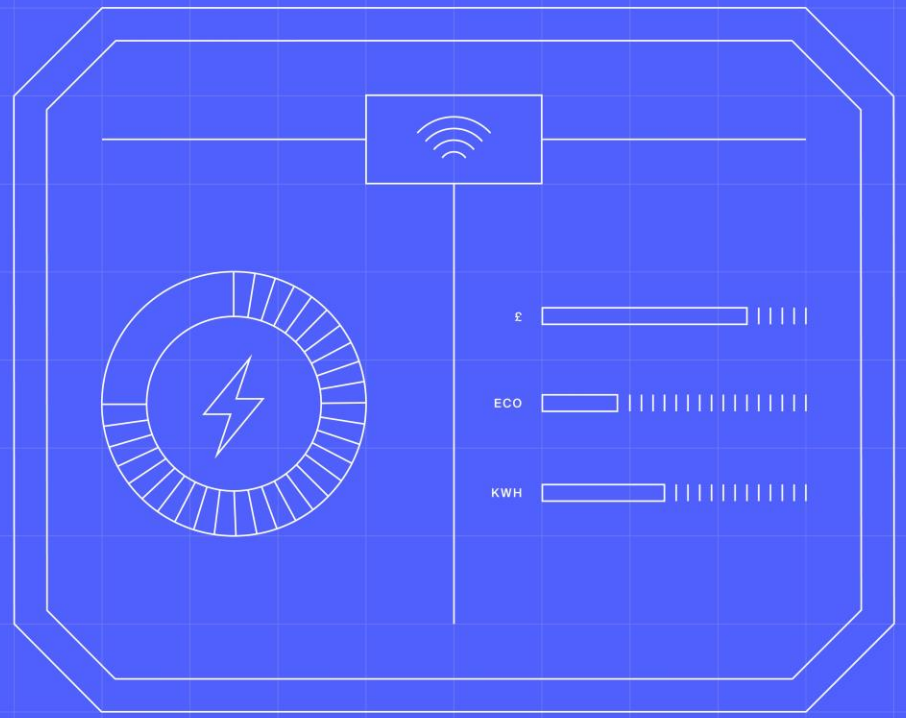
| | |
|---|---|
| **DECISION [X]** | **Do DAG agree to issue the supplementary document and solution attachments for a two week consultation?** |

## Next Steps

On approval, the supplementary document and solution attachments to be uploaded to the MHHS Programme Collaboration Base (at a location to be confirmed) to aid cross-referencing with DES196.

After a two-week review period, these documents will be updated as appropriate, and presented at the next DAG for approval to become baselined attachments alongside DES-196.

# Design (DIN)



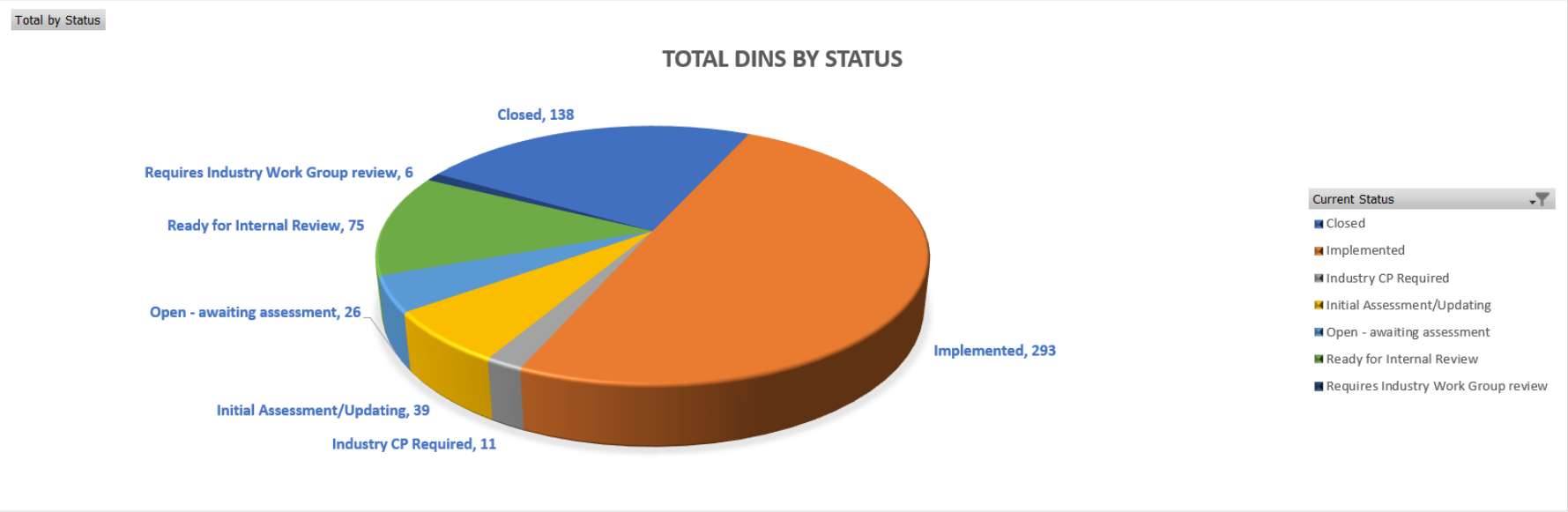

**INFORMATION**: Update on the Design (DIN)

*Programme (Paul Pettitt)*

5 mins

# DIN Log Stats as at 2 August 2023

Total Recorded DINs 588




## Total DINs by Status

| Current Status | Total by Status |
|---|---|
| Closed | 138 |
| Implemented | 293 |
| Industry CP Required | 11 |
| Initial Assessment/Updating | 39 |
| Open - awaiting assessment | 26 |
| Ready for Internal Review | 75 |
| Requires Industry Work Group review | 6 |
| Grand Total | 588 |

## Total DINs by Release

| Tarrget Release | Total by Release |
|---|---|
| Interim Release 1 | 133 |
| Interim Release 2 | 103 |
| Interim Release 3 | 57 |
| Interim Release 4 | 90 |
| Interim Release 5 | 46 |
| Interim Release 6 | 17 |
| Interim Release 7 | 1 |
| Interim Release 8 | 1 |
| Grand Total | 448 |

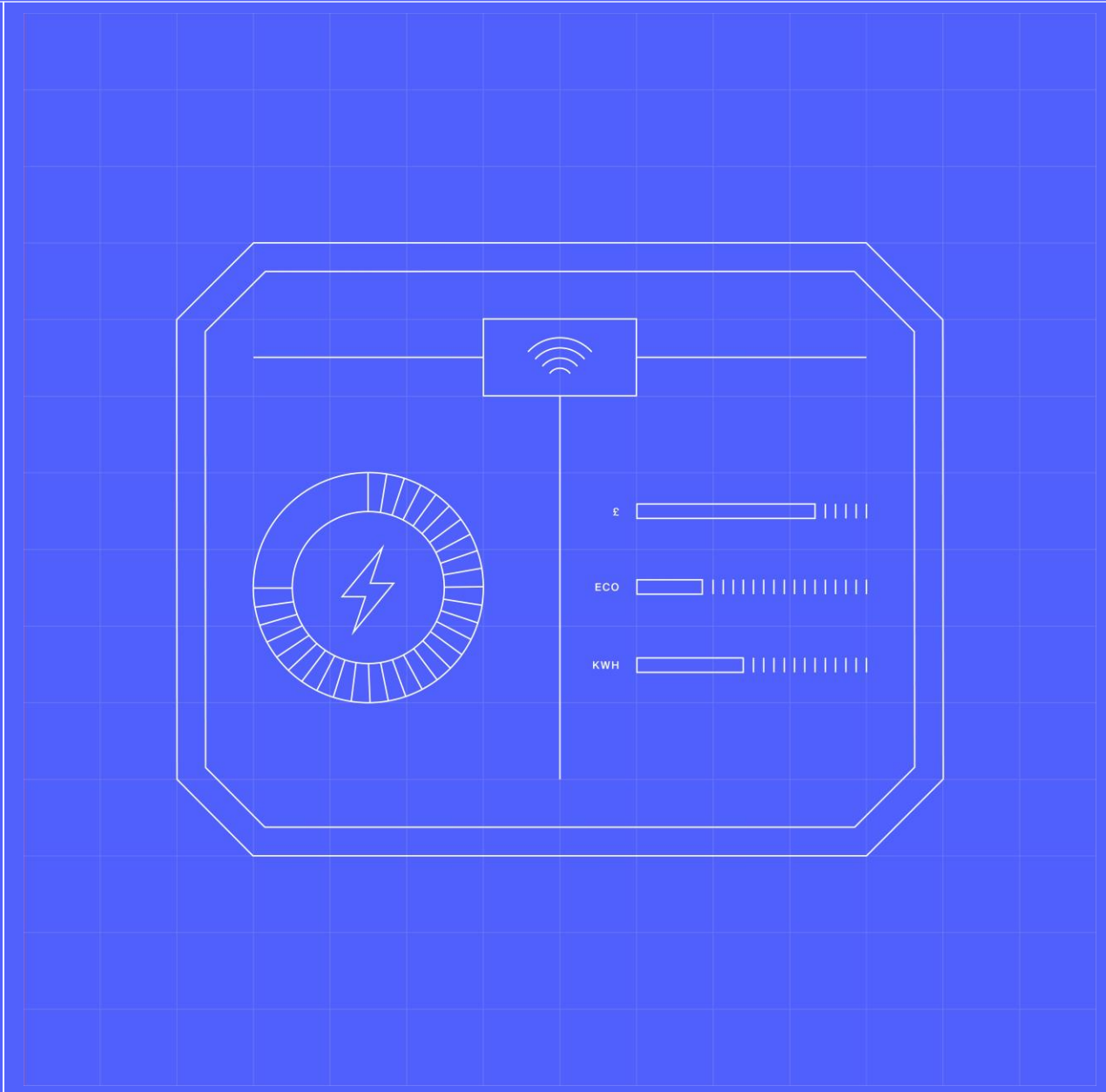
## Total Open DINs

| Status | Total by Status |
|---|---|
| Industry CP Required | 11 |
| Initial Assessment/Updating | 39 |
| Open - awaiting assessment | 26 |
| Ready for Internal Review | 75 |
| Requires Industry Work Group review | 6 |
| Grand Total | 157 |

## Total Closed DINs

| Status | Total by Status |
|---|---|
| **Closed** | **138** |
| (blank) | 138 |
| **Implemented** | **293** |
| Interim Release 1 | 133 |
| Interim Release 2 | 103 |
| Interim Release 3 | 57 |
| Grand Total | 431 |

# Design Assurance

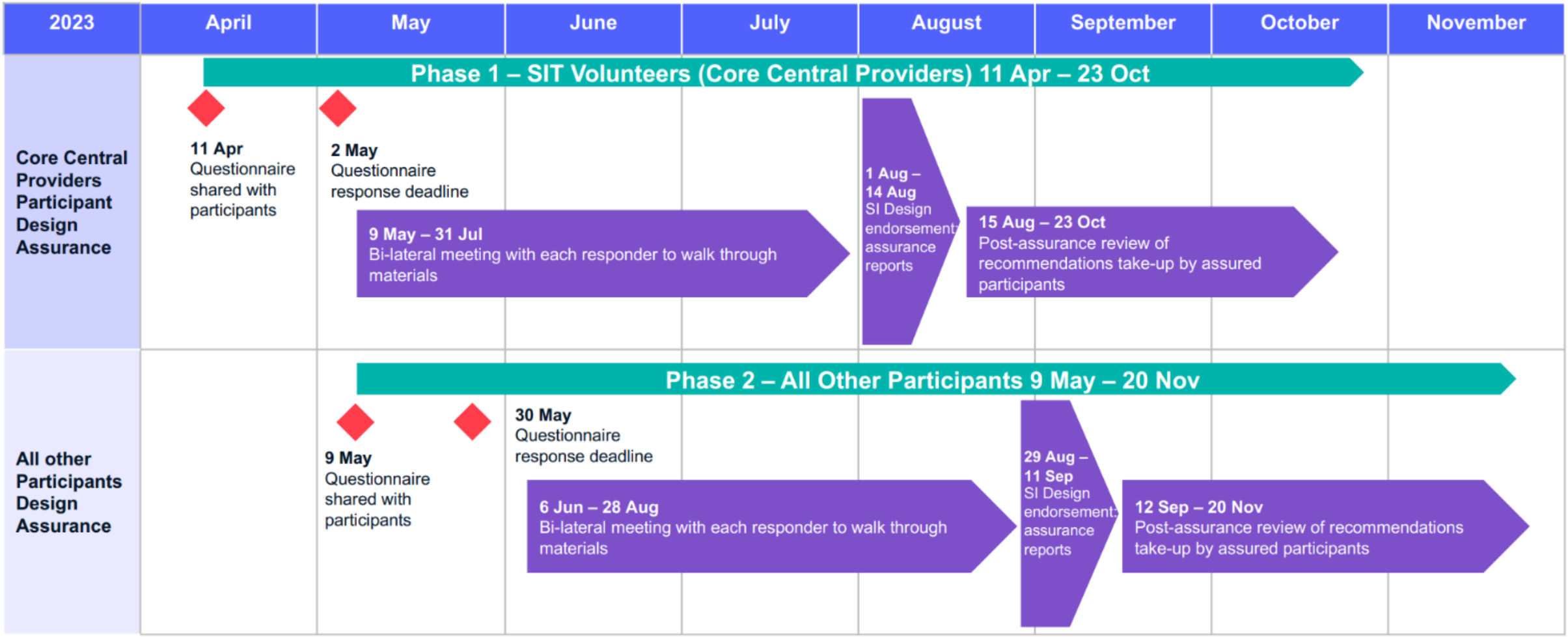



**INFORMATION**: Update on the progress of the Design Assurance

*Programme (Paul Pettitt)*

*5 mins*

# Design Assurance Timeline



# Current Status and High-Level Themes

1. Initial meetings with the Core Participants is complete

2. Deep-Dive reviews of the core participants are being scheduled for completion by end Aug 23

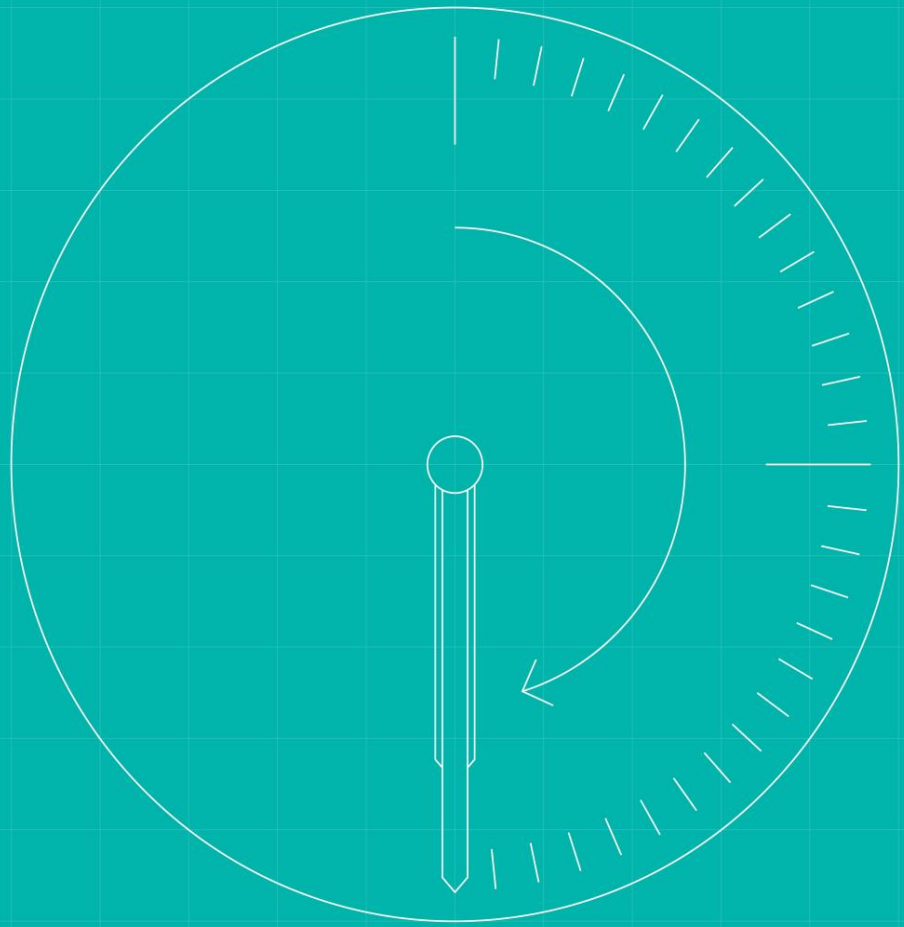
3. Deep-dive session for SIT participants have started with >80% scheduled for completion by 18 Aug-23

- Responses have been received from all Core Participants and the majority if SIT Participants
- There are high levels of engagement with the design across the respondents

- There are a number of participants placing reliance for their design on third parties
- Around half the Participants' designs are complete, reflecting perhaps the volume of changes to design artefacts.
- The majority of participants are already using the MHHSP support tools (DIP simulator).

- Participants expressed concerns around delivery timescales and understanding design
- Participants citing the volume of design changes as a challenge

# Top Programme Risks related to DAG



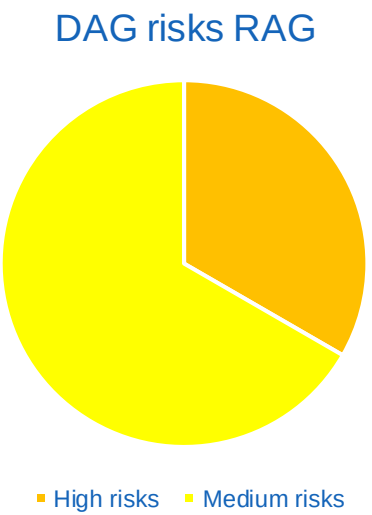
**INFORMATION:** Update on the top Programme Risks related to DAG

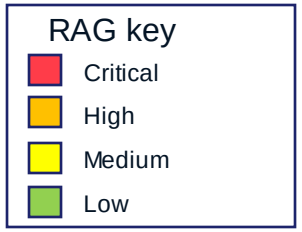
*Programme (PMO)*

*10 mins*

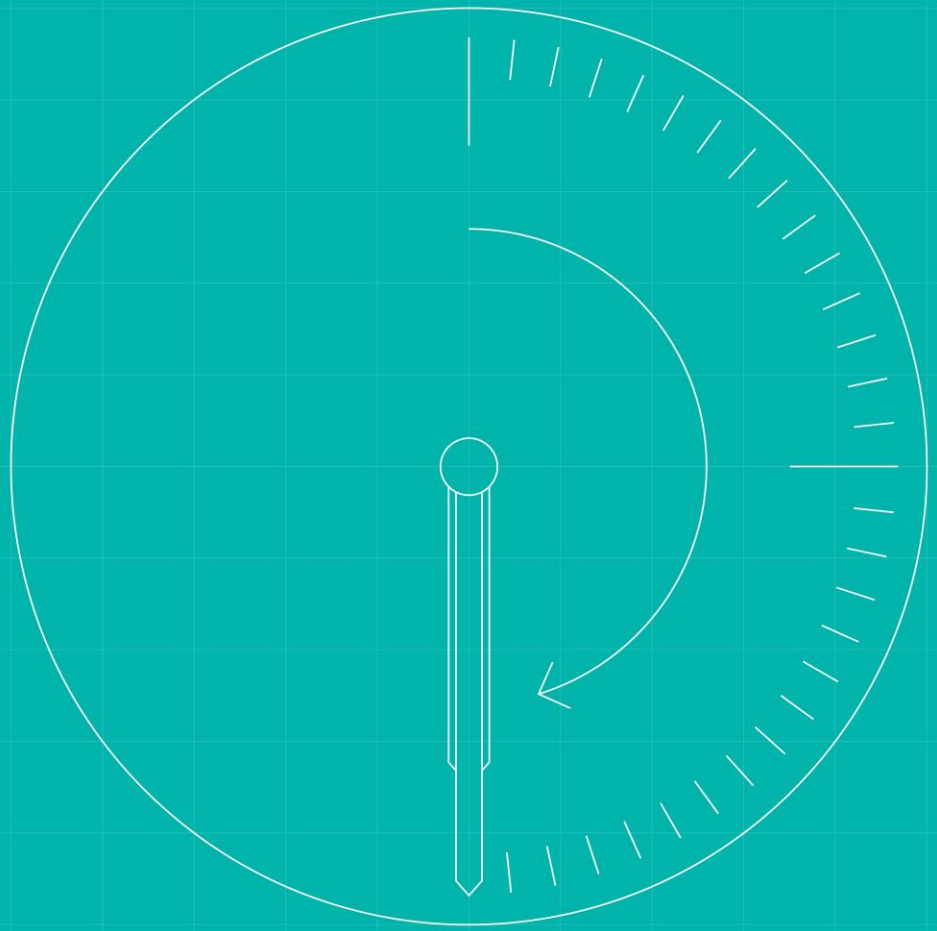
## Top Programme Risks related to DAG

| 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 planing |
| **R421** | There is a risk that following the recent Design Resolution Group (DRG - for DINs needing industry discussion) being established (which may lead to changes required to IF/ PUB interfaces), this risks parties' designs no longer being appropriate requiring new or additional rework | *Potential impacts are:*<br>1) Designs for parties outside of the programme may need to change<br>2) These and the PIT simulator may not support these changes and updates will be required in time for PIT testing and some/all PIT testing undertaken to date may be Null and Void. Changes will need to be fully implemented ahead of future dated (Supplier etc) PIT testing to ensure testing is valid.<br>3) Potential increased costs to support new designs with extended timescales to develop new / update current designs & solutions. | | We accept this is an ongoing risk. Mitigations:<br><br>1) Programme will consider responses to any change requests raised and how this may affect participants and the overall Programme Plan<br>2) Participants must progress with information known to date (see no.4)<br>3) Programme planning may need to account and to allow for these new changes, based on feedback from participants<br>4) Programme has provided clarity on minimum Design to work to (CIT - end of June 23 version, SIT - October 23 version) |
| **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 is an issue for PA framework and BSC when they monitor suppliers' ability to read trad meters. |

# Programme Updates



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

*Programme (PMO)*

*5 mins*

## Governance group updates

### Programme Steering Group (PSG)

**Updates from PSG 02 August 2023**

1. **Route to M9:** PSG received an overview of activities required and the process for approval in the sign-off of M9 (System Integration Test Start). This included the route to SIT readiness, SIT CIT & SIT Functional timelines and an overview of decision choreography & high-level criteria.
2. **SIT Assurance Observations:** PSG received an overview of observations gathered as part of delivery and design assurance in readiness for M9 (System Integration Test Start)
3. **Core Capability Provider Update:** PSG members received focused delivery updates from SCS, DCC and RECCo
4. **IPA Testing Assurance:** The IPA provided an update on the outcome of the P1 Test Assurance report and timelines for P2.

PSG papers available here.

### Testing and Migration Advisory Group (TMAG)

**Update from TMAG 19 July 2023**

1. **Data Cleanse Plan:** The TMAG approved version 0.3 of the Data Cleanse Plan and the setting up of a new Data Cleanse Working Group.
2. **Milestone changes for approval:** The TMAG approved milestone changes to the Environment Approach and Plan (with the caveat of further iteration on the two latter dates), CIT Scenarios and SIT Functional Test Scenarios
3. **Overarching Test Data Approach and Plan:** The TMAG approved version 0.8 of the Overarching Test Data Approach and Plan.
4. **CIT Test and Test Data Approaches & Plans:** The TMAG approved version 0.4 od the CIT Test Approach and Plan & version 0.5 of the CIT Test Data Approach and Plan.
5. **Working Group Progress Updates:** The Programme provided an update on the Qualification and E2E Sandbox Working Group.
6. **IPA Test Assurance Update:** The IPA provided an update on the outcome of the P1 Test Assurance report and timelines for P2.

TMAG papers available here

### Design Advisory Group (DAG)

**Updates from DAG 12 July 2023**

1. **DIP Design Document:** The Interface Code of Connections, the DIP PKI Certificate Profiles, and DIP PKI Policy were approved and will now become subject to Programme change control. The baselined documents are available here.
2. **DES-196 D-Flow and Interface Mapping :** This Design Supporting Document, which provides information on how data flows will be impacted by MHHS, was approved and will now become subject to change control. The baselined document is available here.
3. **CR017 & CR018 Decision:** The DAG Chair approved CR018, and rejected CR017. Updates will now be made to the MHHS Operational Choreography artefact, with a redlined version due to be circulated in due course prior to release.
4. **CR024, CR025, CR027:** Amendments to CR024 to descope certain elements were agreed and the change issued for a further five working day Impact Assessment (IA), closing 17:00 20 July 2023. CR025 was approved CR027 was approved for IA, with responses required by 17:00 27 July 2023

DAG papers available here

### Cross Code Advisory Group (CCAG)

**Update from CCAG 26 July 2023**

1. **Horizon Scanning Log:** For the DCUSA, DCP416, DCP328 were discussed. The Programme clarified that DCP416 had been raised as a change and DCP328 had been rejected. For REC, R0117. R0132, R0133, R0043, R0062 were discussed. The REC also gave an update to the existing Code Body changes.
2. **CCAG Reporting:** The Programme provided updates on code drafting activities against approved code drafting plan, including updates on Registration and BSC Central Services consultation responses. There was further updates on Interfaces, Qualification, Migration, Code Drafting POAP and the plan for an additional Mop-up consultation in December.
3. **CR018 Code Drafting Approach:** The Programme provided an overview of their interpretation of how CR018 design changes are to be translated into code.
4. **CDWG Update:** The Programme provided an update from the Code Drafting Working Group (CDWG).

CCAG papers available here

## Wider Programme updates

### Readiness Assessment Three (RA3)

On **5 September 2023**, the Programme will run the third Readiness Assessment (RA3) and the Programme will issue questions, seeking responses from participants on their Programme readiness. We'll email the RA3 survey to Programme participants on **5 September** and participants have until **25 September 2023** to complete the survey.

### Participant Checklist

- Interim Release 3 Design Artefacts are available on the Baselined Design Artefacts page of the MHHS website. For ease we have also published Red-lined Design Artefacts page to make clear which sections have been updated.
  The **objection cut-off date for Interim Release 4** is **Wednesday 16 August 2023**. A new version of the Design Issue Notification (DIN) Log and will be updated again following publication of the Interim Release 3 Design Artefacts. For more information please visit the Design Review Process page of the MHHS website and the Master Consultations Dashboard
- The Programme have published an updated version of the Environment Approach & Plan along with a Consolidated Comments Log. We've published two forms of the document:
  - Red-lined version showing the changes between v2.4 and v2.5
  - Clean uplifted version (v2.5) that reflects actioned comments

Both documents and the Consolidated Comments Log are available on the Testing Overview page on the MHHS website.

- The MHHS Programme has received the documents: **ISD Participant Guidance Document** and **seven ISD Data Sample files** provided in csv format. They should be reviewed with the **DES138 Interface Catalogue** and **BP021 Industry Standing Data (Elexon Central Systems (ECS)) v5.0**, both of which are available as part of the Baselined Design Artefacts.

- To support Programme participant testing across multiple versions of the Design, the Programme has released the DIP Simulator in both the **Design version 5** and the new **Design Interim Release 2.**

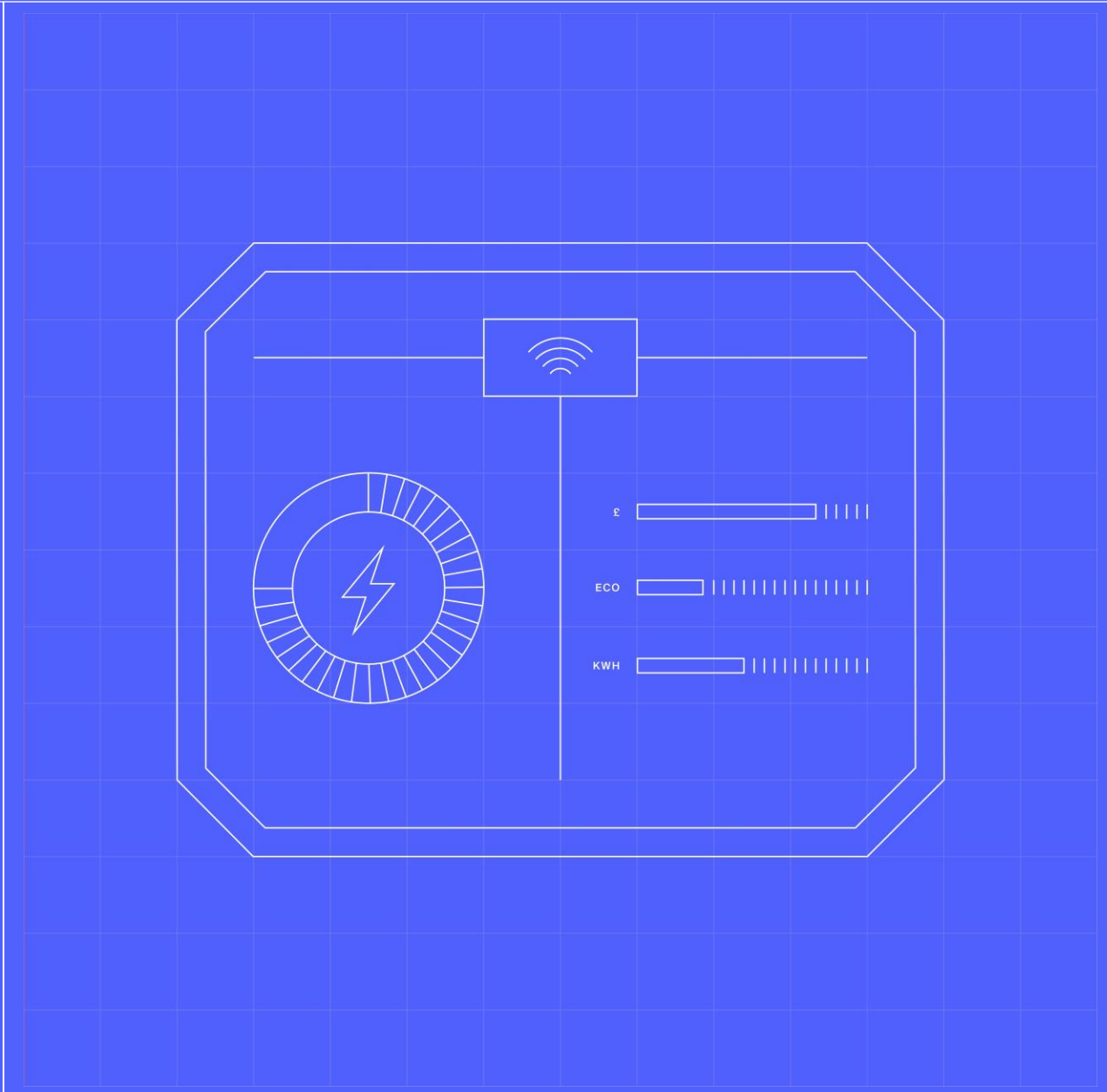
### Guidance Documents:

- We've published the **Data Integration Platform (DIP) Certification Process Map** on the DIP page of the MHHS website.
- We've launched a Programme Knowledge Base to help Programme participants.

### Upcoming events:

- The next Design Advisory Group (DAG) is on **Wednesday 9 August 2023**.
- MHHS Webinar: Readiness Assessment Three (RA3) on 24 August 202312:30-13:15
- MHHS Webinar: Data Integration Platform (DIP) Onboarding on 7 September 2023 12:30-13:15
- **8 August:** Code Drafting Working Group (CDWG), Qualification and End to End Sandbox Working Group (QWG)
- **9 August:** Design Advisory Group (DAG), Extraordinary Systems Integration Testing Working Group (SITWG)

# 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: **13 September 2023 10am**

**DAG agenda roadmap:**

| Meeting dates | 13-September | 11-October | 08-November |
|---|---|---|---|
| **Relevant milestones or activities** | • TBC | • 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>• Summary and Next Steps | • Minutes and Actions<br>• Programme Updates<br>• Summary and Next Steps | • Minutes and Actions<br>• Programme Updates<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)