MHHS PROGRAMME
Industry-led, Elexon facilitated

Design Advisory Group #35
10 April 2024

Version 1.0

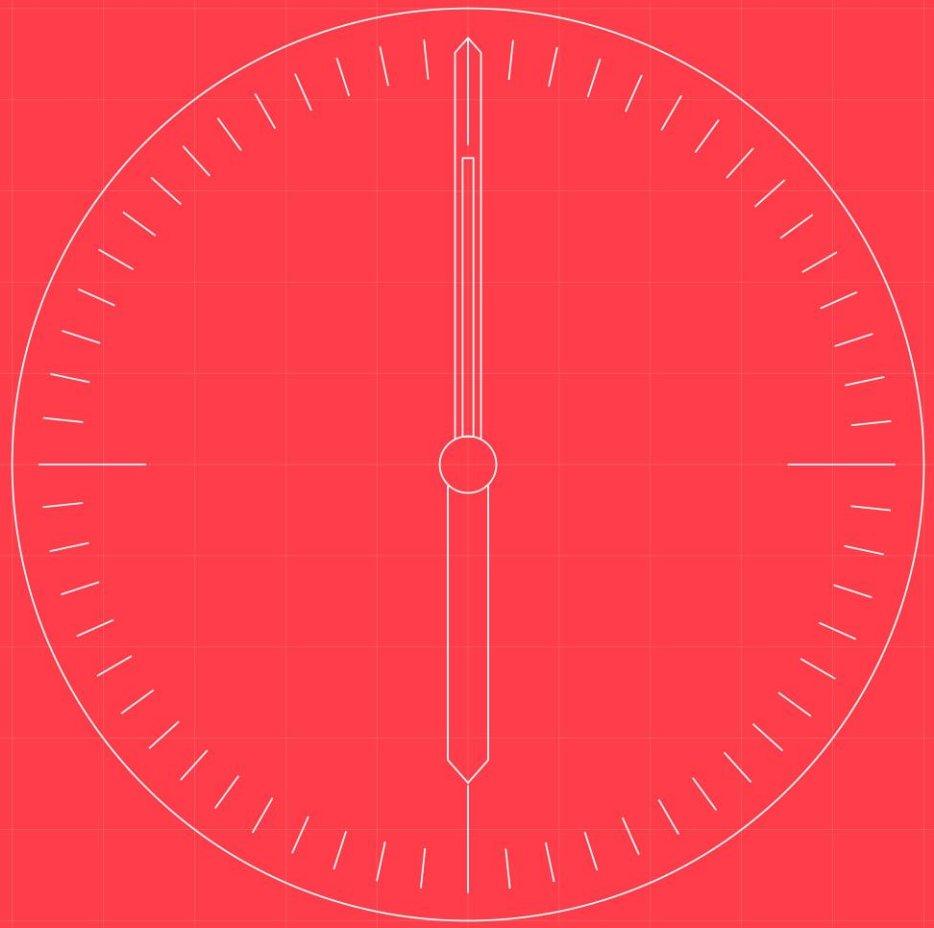
MHHS-DEL2473

Document Classification: Public

Agenda (1/2)

#	Item	Objective	Type	Lead	Time	Page
1	Welcome	Introduction to meeting and member apologies	Information	Chair	10:00-10:05 *5 mins*	1
2	Minutes and Actions	Approval of headline report and review of actions	Decision	Secretariat	10:05-10:35 *30 mins*	3
3	CR044 Decision	Decision on approval of Change Request	Decision	Programme (PMO)	10:35-10:55 *20 mins*	7
4	CR045 Decision	Decision on approval of Change Request	Decision	Programme (PMO)	10:55-11:15 *20 mins*	15
5	CR046 Decision	Decision on approval of Change Request	Decision	Programme (PMO)	11:15-11:35 *20 mins*	23
6	Design Updates	Updates on Design Issue Notifications (DINs) and other design related matters	Information	Programme (Paul Pettitt)	11:35-11:45 *10 mins*	30
7	Top Programme Risks related to DAG	Overview of Programme Risks related to DAG	Information	Programme (PMO)	11:45-11:50 *5 mins*	32
8	Upcoming Programme Milestones related to DAG	Overview of upcoming Programme Milestones related to DAG	Information	Programme (PMO)	11:50-11:55 *5 mins*	34
9	Programme Updates	Updates from other MHHS governance groups and wider Programme updates	Information	Programme (PMO)	11:55-12:05 *10 mins*	36
10	Summary and Next Steps	Summarise key discussions, actions, and next steps	Information	Chair & Secretariat	12:05-12:15 *10 mins*	38
	Attachments	Attachment 1 – DAG 14 February 2024 Headline Report v1.1 (change marked) Attachment 2 – CR044 - Data Refresh Message IF-051 v1.1 Attachment 3 – CR045 - Registration Service SSD Fix Tool v1.1 Attachment 4 – CR046 - Enabling Metering Point Energy Flow to be changed more than once v1.1				

Minutes and Actions



DECISION: Approval of minutes and review of actions

Secretariat

30 mins

Minutes and Actions Review (1 of 3)

1. Approval of change marked Headline Report of DAG held 14 February 2024 (**DECISION [99]**) and Headline Report of DAG held 13 March 2024 **(DECISION [100])** .
2. Review outstanding actions:

Ref	Action	Owner	Due	Latest update
DAG31-05	Programme to consider how Change Raiser and Programme responses to Impact Assessment (IA) comments can be provided as part of the IA outputs	Programme (PMO)	10/01/2024	RECOMMEND CLOSED: Following SRO approval of changes to the MHHS Change Control Approach, participants will be engaged in development of CRs ahead of IA, with an industry 'Q&A' webinar held for all new CRs prior to IA and an 'FAQ' produced. Questions or clarifications requests which arise during the IA window should be submitted to the Programme and/or Change Raiser as early as possible for response. Significant issues raised in IA responses will be responded to directly and visibility provided at the PSG (e.g. issues with implementation) or, where required, at a relevant Advisory Group or Working Group where further development is required.
DAG31-08	Programme to urgently clarify potential implications of CR036 approval on SIT Functional Cycle 1 testing and raise for discussion at SIT Working Group, with an update to be provided at the January 2024 DAG	Programme (Lee Cox)	10/01/2024	RECOMMEND CLOSED: Following outcome of CR036 appeal, participants are to continue to proceed in accordance with the original decision. Implications of CR036 for SIT Functional (SIT F) Cycle 1 was raised at the SIT Working Group (SITWG) with no specific issues highlighted by SITWG attendees. implications for agent appointments were communicated via Programme comms on 17/01/2024 and shared with DAG members (see ACTION DAG33-03). Ongoing oversight to be undertaken via the SIT workstream (i.e. SITAG and associated WGs).
DAG32-06	Programme to provide further detail on the change freeze criteria and how change requests are progressed into normal BSC/REC/SEC BAU	Programme (PMO)	08/05/2024	ONGOING: The Programme have contacted Elexon to ensure consideration of the management of change requests post MHHS go-live is included as part of ongoing Service Management development work being undertaken directly by Elexon. Action to be retained until arrangements confirmed.
DAG33-03	Programme to issue comms shared on 17/01/2024 covering implications of CR036 on Testing with DAG members	Programme (PMO)	15/02/2024	RECOMMEND CLOSED: Comms provided alongside headline report of DAG held 13 March 2024. Note: Any requests for additional information or a more in-depth webinar should be submitted to Testing@mhhsprogramme.co.uk.
DAG34-01	Programme to share current DAG design principles and update the principles published on the Programme Collaboration Base	Programme (Paul Pettit)	10/04/2024	RECOMMEND CLOSED: The Programme Design Principles can be found on the collaboration base here and have been provided within the appendix. Other references have been requested to be removed.

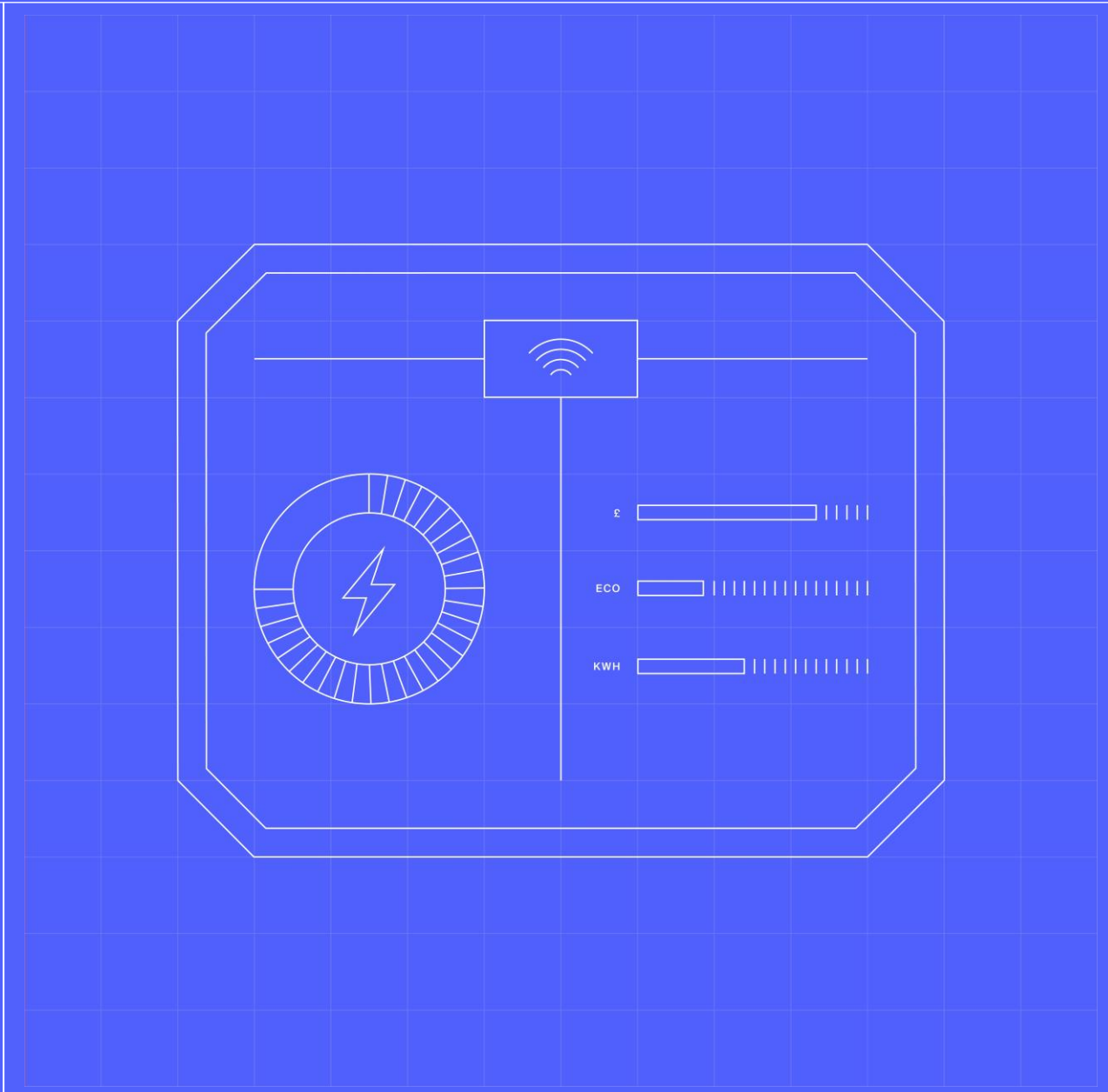
Minutes and Actions Review (2 of 3)

Ref	Action	Owner	Due	Latest update
DAG34-02	Programme to provide information on how previous lessons learned with regard to updates to the Interface Code of Connections were communicated and how they were applied to the most recent updates	Programme (DIP Manager)	10/04/2024	RECOMMEND CLOSED: Lessons learned related to ensuring the DIP onboarding process was updated to ensure both continued alignment to the Interface Code of Connections and general enhancement. Improvements to process for future onboarding activities are in development with the DIP Provider (Avanade) and will be communicated to participants in due course.
DAG34-03	Programme to update CR044 if required to include scenarios where the data realignment mechanism was likely to be used, what safeguards would be in place, and how any reporting on impacted MPANs would be undertaken	Programme (Sean Cooper)	ASAP	RECOMMEND CLOSED: CR issued for IA following confirmation information provided within the CR. To be discussed under agenda item 3. IA responses are provided in the meeting papers, implementation approach to be escalated to PSG.
DAG34-04	Subject to information being provided on the feasibility of implementing CR045 pre-M10 (Central systems ready for migrating MPANs), Programme to raise Programme risk should implementation not be possible pre-M10	Programme (Sean Cooper)	10/04/2024	ONGOING: IA responses provided in the meeting papers. Implementation approach and associated risks to be escalated to PSG.
DAG34-05	Programme to provide strawman solution information alongside CR045	Programme (Sean Cooper)	ASAP	RECOMMEND CLOSED: Solution information provided alongside CR, and CR issued for IA. Decision on approval to be taken under agenda item 4.
DAG34-06	Programme to raise Design Issue Notification regarding how historic consumption should be managed in relation to CR046	Programme (Sean Cooper)	ASAP	RECOMMEND CLOSED: Raised as DIN 945.
DAG34-07	RECCo to update CR046 prior to Impact Assessment to include a view on implementation	RECCo Representative (Sarah Jones)	ASAP	RECOMMEND CLOSED: Updates applied, and CR issued for IA. Decision on approval to be taken under agenda item 5.
DAG34-08	Programme to advise whether changes to the DAG Terms of Reference are required in response to the changes agreed by the Programme Steering Group to the MHHS Change Control Process	Programme (PMO)	08/05/2024	ONGOING: ToR under review and update to be provided at next DAG meeting.

Minutes and Actions Review (3 of 3)

Ref	Action	Owner	Due	Latest update
DAG34-09	IPA to provide views on the changes to the MHHS Change Control Approach agreed at the PSG on 06 March 2024	IPA (Colin Bezant)	10/04/2024	RECOMMEND CLOSED: IPA to provide update in meeting. The Programme note the changes to the approach were discussed with the IPA (Richard Shilton) ahead of the decision by PSG, who were comfortable with the changes provided the Programme ensured increased engagement with participants in shaping CRs ahead of IA.
DAG34-10	Programme to consider whether the Programme Change Request to implement changes to the MHHS Change Control Approach should be subject to a full Impact Assessment	Programme (PMO)	ASAP	RECOMMEND CLOSED: The Programme have considered the approach to the CR and discussed this with the IPA and continue to believe the SRO decision taken at the PSG is best enacted using the approach for a housekeeping change. The changes will be subject to ongoing monitoring of effectiveness via the PSG and decisions on CRs will still be via Programme Governance (i.e. PSG), where constituency representative may still present the views of their constituencies.
DAG34-11	DAG members to submit their views on the changes to the MHHS Change Control Approach their Programme Steering Group (PSG) representative for consideration by the PSG	DAG Members	03/04/2024	RECOMMEND CLOSED: PSG held 03 April 2024 and topic discussed in terms of whether Sponsor (Ofgem) approval is required. Action for Ofgem to confirm is ongoing, subject to further context to be provided by the Programme. DAG members are welcome to continue to submit views to their PSG representatives for consideration.

CR044 Decision



DECISION: Decision on approval of Change Request CR044 '*Implementation of 'Data Refresh' Message IF-051*'

Programme (PMO)

20 mins

MHHS PROGRAMME
Industry-led, Elexon facilitated

CR044 – Impact Assessment Summary

Objective:

DAG to review the outputs of the issued CR044 Impact Assessments and advise SRO on their decision to approve or reject the Change Request.

Headlines:

- Overall: **16 respondents supported the change; 5 respondents rejected the change; and 3 respondents abstained.**
    - A significant number of respondents, both those who supported and those who rejected the change, noted that they supported the implementation of the change, but did not see this being possible ahead of M10.
- **Those who supported the implementation of the Change Request did so on the following basis:**
    - A CSS failure in July last year highlighted the importance of having the tools available to be able to align and retrospectively correct supply start and end dates. If the change is not implemented, this carries a significant risk should this event be repeated.
    - The existing ECOES refresh mechanism is utilised under current arrangements for this same purpose and works well, and so it would be sensible to provide this equivalent functionality under MHHS operation.
    - The change is a pre-migration contingency measure and is required before go-live, so that if any incidents occur the solution can be called upon in early life.

Those who rejected the implementation of the Change Request did so on the following basis:

- It was questioned what benefit this change would deliver prior to migration, as it is believed that the data cleanse and migration activity will resolve many issues.
- Given existing Programme commitments, the delivery of this Change Request prior to the M10 milestone may impact the success of other MHHS deliverables. There is no capacity to deliver this functionality prior to the M10.
- The MHHS design is based on the principle of a single view of truth. This change disregards the requirement to align the rest of the industry to the registration services truth following such an incident.

- **Further comments:**
    - Only one rejecting respondents stated that they did not support the implementation of the change at some stage. Other concerns were based entirely on delivery timelines.
    - A number of respondents suggested implementing the change in the first post-M10 release.
- **Implementation:**
    - The Programme suggests that the change is implemented ahead of migration. It will need to be tested in SIT Operational. Exact implementation timelines are dependent on Impact Assessment responses, as the Programme is conscious of constraints on Participants' development capacity.

CR044 – Submitted Impact Assessments

Programme Parties	CR044 Recommendations			
	Yes	No	Abstain	No Reply
Large Suppliers	3	1	-	1
Medium Suppliers	1	-	-	6
Small Suppliers	-	-	-	33
I&C	1	-	1	39
DNOs	4	2	-	-
iDNOs	-	-	-	13
Ind. Agents	1	1	-	45
Supplier Agents	1	-	-	6
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	**16**	**5**	**3**	**168**

Market Share			
Yes	No	Abstain	No Reply
70%	18%	-	12%
10%	-	-	90%
-	-	-	100%
20%	-	32%	48%

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 I&C Supplier abstained from providing a recommendation because they support the rationale but do not believe it meets the Change Freeze criteria.
- The IPA and DCC abstained from providing recommendations as they are not impacted by the proposed changes.

CR044 Impacts – Views on the proposed approach (Page 1)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR044)

Large Suppliers	+ Three of the four responding Large Suppliers supported the implementation of Change Request.
	+ They did not see the mechanism being used on a routine basis but agree that it is useful to have a fallback to address any incidents that may occur. It is important that this mechanism is in place prior to go–live to address misalignment of registration data.
	+ The change and the associated additional effort can be delivered without impacting the current scope and milestones.
	+ A CSS failure in July last year highlighted the importance of having the tools available to be able to align and retrospectively correct supply start and end dates. If the change is not implemented, this carries a significant risk should this event be repeated.
	– One of the four responding Large Suppliers rejected the implementation of the Change Request.
	– It was questioned what benefit this change would deliver prior to migrations, as it is believed that the data cleanse and migration activity will resolve many issues, so the change would only be required at a future date post migrations.
	– They do not believe the timing is correct for this change and sees a lack of clarity on downstream impacts to changing key industry data.
	• It was noted that in order to make a more informed recommendation on the Change Request, it would have been useful for the change raiser to provide the quantifiable rationale, especially regarding the impacts on schedule and cost.
	• One respondent stated that as a supplier, they align to CSS supply period dates, however, believe it would be of some benefit for the IF-051 to also be sent directly to suppliers so that they have confirmation that the wider industry has been aligned.
	• One respondent offered their support with the following caveats:
	  ◦ The data refresh message must be time bound – a refresh should be triggered next calendar day and/or out of working hours.
	  ◦ All downstream parties impacted by the refresh would need to be notified of the impacted MPANs as the changes need to be reconciled in downstream systems.
	  ◦ The context(s) for using refresh must be clearly documented.
	  ◦ The data should be sent using the DIP interfaces to ensure GDPR compliance.

Medium Suppliers	+ The one responding Medium Supplier supported the implementation of the Change Request. • They requested clarity on what data attributes are part of this interface / refresh exercise. This is included in the appendix to the Change Request.
Small Suppliers	*Did not respond.*

CR044 Impacts – Views on the proposed approach (Page 2)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR044)

I&C	+ One of the two responding I&C suppliers supported the implementation of the Change Request.
	• One of the two responding I&C suppliers abstained from providing a recommendation.
	• Whilst they agree that a change of this nature would be beneficial, they do not believe that it meets the Change Freeze criteria, and so should be done as a post go-live change to mitigate the risks of an incident causing a misalignment of data in the future.
	• The supporting respondent requested clarity on the intended audience and use of the IF-051.
	  • **Programme response:** The IF-051 use is for "bulk correction" of data following a data incident, and not anticipated for BAU correction of individual MPANs or groups of MPANs.
	  • Any use of the refresh flow, the mechanism of its exchange and processing timescales, would be agreed bi-laterally between the Registration Service & the required recipient(s), taking into account the nature of the incident and the wider co-ordinated industry response to address it.

DNOs	+ Four of the six responding DNOs supported the implementation of the Change Request. + There is a propensity for data to be misaligned across the Industry, and the ability to download from the DIP is not certain to cover every eventuality. A refresh functionality would be an industry benefit. + Currently, there is no agreed mechanism which could be deployed to realign any mismatched data. This change would speed up the restoration of normal operations. + The existing ECOES refresh mechanism is utilised under current arrangements for this same purpose and works well, and so it would be sensible to provide this equivalent functionality under MHHS operation. + There is a risk of doing nothing. If data were to become misaligned in live production environments there would not be a mechanism to correct this. + Both rejecting DNOs agree with the Change Request in principle, and would like to see it implemented as soon as realistically possible, – Two of the six responding DNOs rejected the implementation of the Change Request. – The functional implementation of the change is supported, however there will be an impact on DNO Service Providers for the changes to MPRS and the DIP adaptor. Given existing Programme commitments, the delivery of this Change Request prior to the M10 milestone may impact the success of other MHHS deliverables. The implementation of the change at M10 is supported. • Five of the six respondents support the implementation of the change, but do not believe it can be implemented ahead of M10. The recommendation is to look to deliver this the first post M10 release.
iDNOs	*Did not respond.*
Agents	+ Two of the three responding agents support the implementation of the Change Request. – One responding agent rejected the implementation of the Change Request. – The MHHS design is based on the principle of a single view of truth. This change disregards the requirement to align the rest of the industry to the registration services truth following such an incident. Not aligning all parties would create extensive downstream processing failures after a proposed re-alignment. • They welcome involvement in future discussions as we are interested in the implementation and how this IF-051 message will be used operationally.

CR044 Impacts – Views on the proposed approach (Page 3)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR044)
S/W Providers	+ One of the two responding Software Providers supported the implemented of the Change Request. + The Change Request is crucial to providing robust error resolution pathways in live production. + The intent of the change is supported, and it is agreed that it mitigates a risk with data alignment. – One of the two responding Software Providers rejected the implementation of the Change Request. – Although supportive of this functionality, there is no capacity to deliver this functionality prior to the M10 milestone without negatively impacting other MHHS deliverables. A more realistic timeline is to develop this functionality to go live in the early months following M10. – To deliver this functionality would require several weeks of concentrated DBT effort, which cannot be accommodated for prior to the M10 milestone without negatively impacting other MHHS deliverables.

REC Code Manager	+ RECCo are supportive of the implementation of the Change Request.
	• The following clarifications were raised:
	  • What delivery mechanism is expected, does this change dependent on the volume of MPANs affected? Yes, this depends on volumes.
	  • Who decides on the use of the IF-051? Any use of the refresh flow, the mechanism of its exchange and processing timescales, would be agreed bi-laterally between the Registration Service & the required recipient(s), taking into account the nature of the incident and the wider co-ordinated industry response to address it.
	  • What are the SLAs to be followed on receipt of the message? How quickly should a 'full refresh' be actioned? Mechanism and thresholds will be agreed as part of the implementation of the Change Request should it be approved.
	• They note that it was not possible to provide a full impact assessment as the process for triggering the flow, when it will be used, and the SLAs we would need to follow are unclear, and if any of their assumptions around these areas prove incorrect then the schedule, cost and resource impact could be greater.

National Grid ESO	+ ESO are supportive of the implementation of the Change Request. + They recognise the importance of the Registration Data, and therefore see the importance and benefit of this change is supportive of the proposal.
Consumer	*Did not respond.*
Elexon (Helix)	*Did not respond.*

CR044 Impacts – Views on the proposed approach (Page 4)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR044)
SRO / IM & LDP	+ The Programme are supportive of the implementation of the Change Request. + This Programme believes that this change is a must have before go-live – if any incidents occur, the solution can be called upon in early life. The change is a pre-migration contingency measure. + In light of the Change Freeze, the Programme recognises that the Change Request is a risk mitigation – despite the risk being low probability, an occurrence would be high impact and needs to be prevented. • The Programme suggests that the change is implemented ahead of migration. It will need to be tested in SIT Operational. Exact implementation timelines are dependent on Impact Assessment responses, as the Programme is conscious of constraints on Participants' development capacity.
IPA	• The IPA abstained from providing a recommendation as the change does not impact their activities.
Avanade	+ Avanade is supportive of the implementation of the Change Request. + The change will provide a mechanism for correction of data without manual intervention. • The addition of a new interface may require additional Azure resources and, dependent on message volumes for the new interface, may incur additional Azure consumption costs. A more informed assessment can be developed on the provision of volumetrics. • The support of Avanade is subject to a Programme CCN.

The DAG are requested to advise the SRO on whether CR044 should be approved:

DECISION [101]	**SRO to approve/reject CR044 and associated implementation approach**

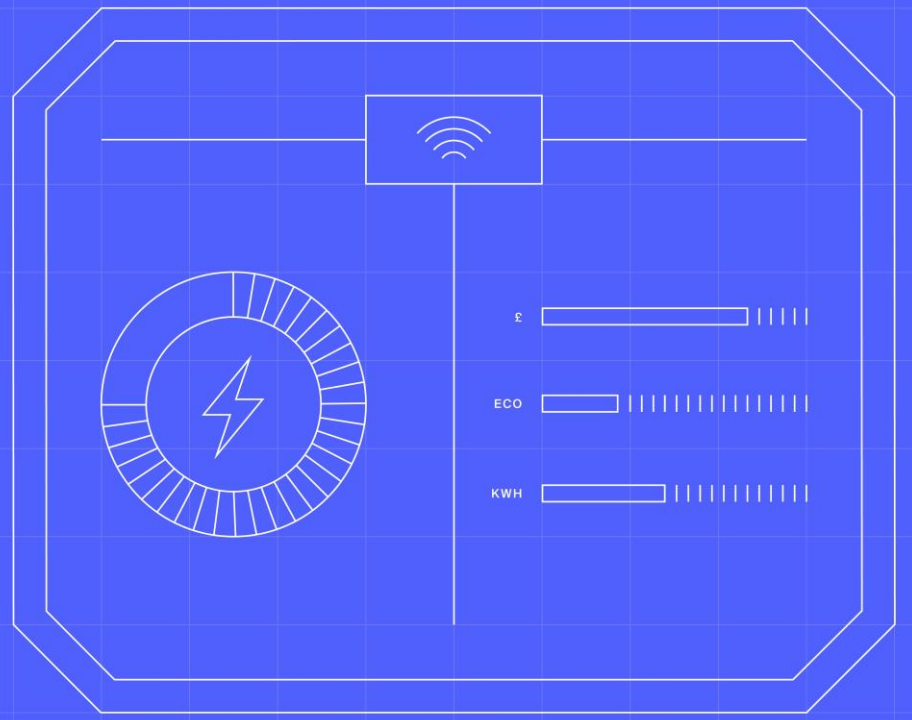
Confirmation of next steps will be provided following the decision

CR045 Decision

DECISION: Decision on approval of Change Request CR045 '*Supply Start Date (SSD) Correction Tool*'

Programme (PMO)

20 mins



CR045 – Impact Assessment Summary

Objective:

DAG to review the outputs of the issued CR045 Impact Assessments and advise SRO on their decision to approve or reject the Change Request.

Headlines:

- Overall: **16 respondents supported the change; 9 respondents rejected the change; and 4 respondents abstained.**
  - Of the 9 rejecting respondents, 4 support the implementation of the solution, but have raised concerns regarding the ability to implement ahead of M10.
- **Those who supported the implementation of the Change Request did so on the following basis:**
  - The change will ensure that the correct supplier is liable for all obligations without any ambiguity around responsibility because of a discrepancy between CSS & central registration systems and services.
  - The change ensures continuity between current and future arrangements and reduces post-implementation risk.
  - There should be a mechanism to correct MPRS/ERDS where the information held does not align with the CSS. Not retaining a solution to correcting registration errors within the MHHS solution would cause data issue and settlement inaccuracies.
- **Those who rejected the implementation of the Change Request did so on the following basis:**
  - There is no capacity to deliver this functionality prior to the M10 milestone without impacting other MHHS deliverables. A more realistic timeline is to develop this functionality to go live in the early months following M10.
  - A fundamental element of the MHHS design is to hold a single view of the truth. Mismatches between CSS and the Reg Service should be corrected rather than introducing a workaround.
- **Further comments:**
  - A number of queries were raised in response to the Change Request. Many of these are answered by the appendix issued with the Change Request. Others have been responded to by the Programme in the following slides.
- **Implementation:**
  - Due to the risk associated with not implementing the change, combined with the risk to M10 if the change is implemented prior to go-live, implementation options and their associated risks should be brought to the PSG in May 2024 for discussion. The Programme recommends a decision on the implementation approach and timeline should then be made at the PSG in May 2024 after consideration of the conflicting risks.

CR045 – Submitted Impact Assessments

Programme Parties	CR045 Recommendations				Market Share			
	Yes	No	Abstain	No Reply	Yes	No	Abstain	No Reply
Large Suppliers	3	1	-	1	70%	18%	-	12%
Medium Suppliers	1	-	-	6	10%	-	-	90%
Small Suppliers	-	-	-	33	-	-	-	100%
I&C	3	-	1	37	55%	-	13%	32%
DNOs	3	3	-	-				
iDNOs	1	-	-	12				
Ind. Agents	1	3	1	42				
Supplier Agents	1	-	-	6				
S/W Providers	-	2	-	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	**16**	**9**	**4**	**163**				

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:

- The IPA and DCC abstained from providing recommendations as they are not impacted by the proposed changes.
- One Independent Agent and one I&C Supplier abstained from providing a recommendations without noting specific rationale for doing so.

CR045 Impacts – Views on the proposed approach (Page 1)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR045)

Large Suppliers	+ Three of the four responding Large Suppliers supported the implementation of Change Request.
	+ This update mechanism is not expected to be used on a routine basis, but it is useful to have a fallback to address any mismatches that may occur.
	+ It is important that this mechanism is in place prior to go–live to address misalignment of registration data.
	– One of the four responding Large Suppliers rejected the implementation of the Change Request.
	– It is unclear what benefit this would deliver prior to migration, as the data cleanse and migration activity should resolve many issues. Therefore, this would only be required at a future date post migration.
	– The timing of the Change Request does not seem appropriate, and a lack of information on potential downstream impacts by changing key industry data has been provided.
	• One Large Supplier requested clarification on the following:
	  • Is this limited to missed and invalid switches? Yes - these are the two scenarios in which the solution would be used.
	  • Will suppliers and agents be notified via a report, if this is being used to rectify multiple SSDs? No, but new message flows will be used to notify.
	  • Will the registration system treat the "Annulment" scenario as a new supply period, or a continuation of the old one? It will be treated as a new supply period, subject to working group discussions.
	  • What date will be used in the IF-001 flow? The revised dates will be used, subject to working group discussions.
	  • What would the SSD be in EES for a site which has undergone an SSD fix? This is subject to working group discussions.
	• The solution should be returned to the DRG before implementation due to open questions remaining in the design.

Medium Suppliers	+ The one responding Medium Supplier supported the implementation of the Change Request.
	• They requested clarification on the following:
	  • Who identifies and is authorised to initiate this process? Triggered by the Registration Service being notified by CSS (existing process).
	  • Are the affected suppliers informed before the identified change in SSD is completed? No, this will be an automated process. This can be discussed in working groups.
	  • Is this tool expected to be used during migration, or only after all MPANs are migrated to the MHHS environment? Any MPANs suffering this issue, which have been migrated.
	  • **Annulment of switch**
	  • Is this used only to reinstate the previously lost supplier as the current active supplier, and to reinstate SP appointments? Yes.
	  • Are suppliers expected to receive any messages from CSS? Suppliers should already receive messages from CSS.
	  • Is the sole purpose of the new IF-001 to manage SP date changes? Yes.
	  • Is it guaranteed that the dates between CSS and the new MHHS messages will align? Yes.
	  • **Missed switch**
	  • Missed switch in CSS, or REGS only? REGS only.
	  • Which party makes sure the date used for correction aligns with CSS dates? Registration Services.

CR045 Impacts – Views on the proposed approach (Page 2)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR045)
Small suppliers	*Did not respond.*
I&C	+ Three of the four responding I&C Suppliers supported the implementation of the Change Request. + The change is timely and desirable given a recent incident experienced in the gas industry, following which a significant amount of work was created for many parties as UK Link could not be realigned to CSS. + The change ensures continuity between current and future arrangements and reduces post-implementation risk. + The change will ensure that the correct supplier is liable for all obligations without any ambiguity around responsibility because of a discrepancy between CSS & central registration systems and services. • One of the four responding I&C Suppliers abstained from providing a recommendation. • It would be pertinent to consider any time constraints should be based on the DF run as opposed to the RF run, this would require additional controls where an SSD amendment could be conducted but only if it was subject to an approved Trading Dispute committee decision to allow it. Whilst it is expected that this should be rare exception, if a misaligned SSD impacted settlement data over the materiality threshold, then DF could be utilised to correctly reapportion the discrepant days volume to each supplier if required, which could matter to larger consuming sites who have not been remedied prior to the RF run.
DNOs	+ Three of the six DNOs supported the implementation of the Change Request. + The Change Request recognises the need to ensure data alignment. + This was a key component missing from the MHHS design baseline and is required to provide Registration Services super users with the ability to correct the mis-aligned data and re-issue in a refresh file to other industry parties. + The three rejecting DNOs are supportive of the implementation of the functionality. Their rejections are based on implementation timelines. – Two of the three supporting DNOs do not believe this can be completed ahead of M10. – Three of the six DNOs rejected the implementation of the Change Request. – There is no capacity to deliver this functionality prior to the M10 milestone without impacting other MHHS deliverables. A more realistic timeline is to develop this functionality to go live in the early months following M10. • The change would require significant development effort and, although the functional change is supported, DNOs have been informed that SCS will be unable to deliver the code for implementation within the SIT cycles. Therefore, this will likely mean that the functionality would not be in place on production systems for current M10 (April 2025). SCS report that they would look to provide this functionality as close to M10 as possible. • Consideration is required as to whether the risk of being unable to correct data at go-live is more important than going live according to the existing plan.
iDNOs	+ The one responding iDNO supported the implementation of the Change Request.

CR045 Impacts – Views on the proposed approach (Page 3)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR045)

Agents	+ Two of the six responding agents support the implementation of the Change Request.
	+ The Change Request provides a valid solution to fixing this existing issue.
	– Three of the six responding agents rejected the implementation of the Change Request.
	– A fundamental element of the MHHS design is to hold a single view of the truth. Mismatches between CSS and the Reg Service should be corrected rather than introducing a workaround.
	– The development and testing required would have an impact on timelines.
	– The SDS which should have been appointed but was not would feel the greatest impact. They would be required to estimate data for the retrospective period, leaving the MDS with two versions of data.
	– Costs would be incurred by both MS and DS through the redevelopment of the processing functionality of the IF-001 and IF-037 flows.
	• One of the six responding agents abstained from providing a recommendation.
	• Clarifications were requested on the following:
	  • What are the implications on DS and MS appointments when a change is made? These are outlined in the proposal shared as an appendix to the Change Request.
	  • What are the implications on any HH data already submitted by the DS, when an appointment is removed following a backdated change? This will stay, but can be overwritten by the new Data Service.
	  • How far beyond an erroneous switch can a change be made? Programme suggests 45 days. To be decided as part of working group discussions.
	  • What is the impact on customer billing? This is dependent on supplier processes.
	  • What are the commercial considerations for parties that have fulfilled their role, and are then removed? This functionality is to resolve an existing CSS issue.
	  • What work has been done to prevent this from happening, rather than implementing a fix? Our understanding is that there are no plans to resolve this at present. This is outside the scope of the Programme.
	  • In the example, a period exists where no DS or MS is appointed. How will it be ensured that agents do get appointed? This is discussed in the proposed design, but effectively the enduring supplier may need to retrospectively appoint agents.
	  • What would the IF-001 be used for and who would it be sent to? This is outlined in the proposal shared as an appendix to the Change Request.
	  • In an annulment, how does the original DS/MS know that they should still be appointed? They are not made aware, so would need to be re-appointed.
	  • Currently, DS and MS cannot be retrospectively de-appointed, does processing need to be amended so that this is now possible? Yes, this is part of the change proposal.

S/W Providers	– The two responding Software Providers rejected the implementation of the Change Request. – It is difficult to understand the benefits associated with the change as the document does not outline the scenarios affected nor provides associated volumes. • One respondent requested that more information would be provided, and the Change Request be circulated again. • One respondent was supportive of the implementation of the functionality, but due to existing programme commitments and the magnitude of the change, there is no capacity to deliver the change ahead of the M10 milestone.

CR045 Impacts – Views on the proposed approach (Page 4)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR045)
REC Code Manager	+ RECCo are supportive of the implementation of the Change Request. + There should be a mechanism to correct MPRS/ERDS where the information held does not align with the CSS. Not retaining a solution to correcting registration errors within the MHHS solution would cause data issue and settlement inaccuracies. • It is recognised that significant work would be required to fully develop a solution.
National Grid ESO	*Did not respond.*
Consumer	*Did not respond.*
Elexon (Helix)	*Did not respond.*
SRO / IM & LDP	+ The Programme is supportive of the implementation of the Change Request. + The Programme recommends that the Change Request is approved by the DAG, which will allow for the completion of the solution to be developed. • Due to the risk associated with not implementing the change, combined with the risk to M10 if the change is implemented prior to go-live, implementation options and their associated risks should be brought to the PSG in May 2024 for discussion. • The Programme recommends a decision on the implementation approach and timeline should then be made at the PSG in May 2024 after consideration of the conflicting risks.
IPA	• The IPA abstained from providing a recommendation as the change does not impact their activities.
Avanade	+ Avanade is supportive of the implementation of the Change Request. • It is assumed that there will be no material changes in message volumes for the interfaces in scope of change. • A CCN will be required for the DIP SP.

The DAG are requested to advise the SRO on whether CR045 should be approved:

DECISION [102]	**SRO to approve/reject CR045 and associated implementation approach**

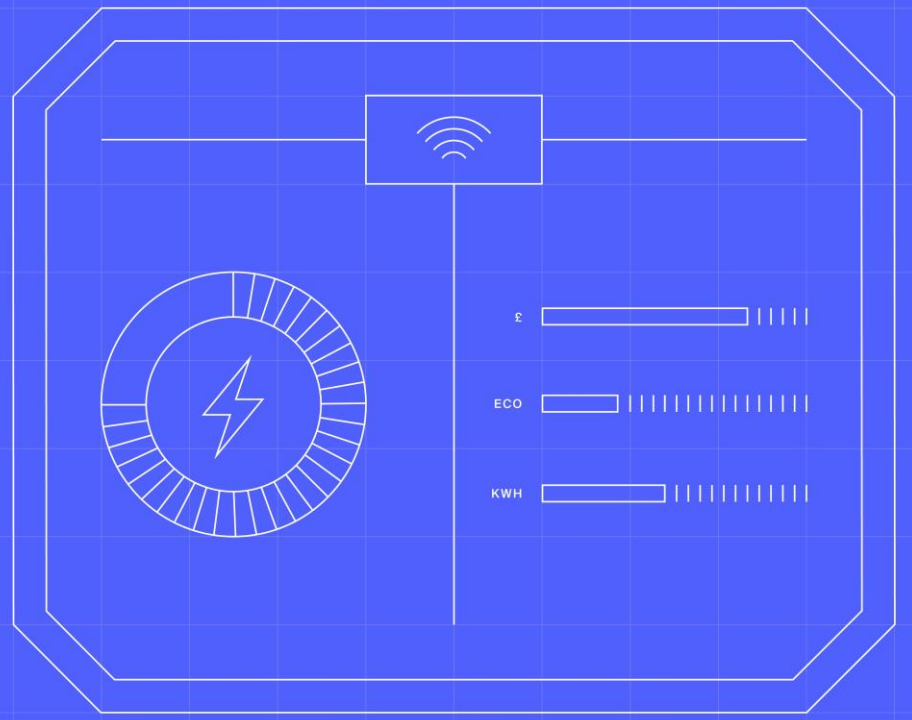
Confirmation of next steps will be provided following the decision

CR046 Decision

DECISION: Decision on approval of Change Request CR046 '*Enabling Metering Point Energy Flow to be changed more than once*'

Programme (PMO)

20 mins



CR046 – Impact Assessment Summary

Objective:

DAG to review the outputs of the issued CR046 Impact Assessments and advise SRO on their decision to approve or reject the Change Request.

Headlines:

- Overall: **17 respondents supported the change; 3 respondents rejected the change; and 4 respondents abstained.**
- **Those who supported the implementation of the Change Request did so on the following basis:**
    - It is important to be able to correct energy flow where it is incorrect without the need to create a new MPAN. The existing process brings about a poor consumer experience.
    - The Change Request enables the change associated with REC R0062, and if not implemented would result in a degradation of processes. Retaining the current MMHS drafting would represent a retrograde step and would introduce additional costs to remove the upgrade.
    - The change has a minimum impact on the existing design, whilst making a significant improvement to the existing process.
- **Those who rejected the implementation of the Change Request did so on the following basis:**
    - The ability to change energy direction is already in existence, and the need for multiple changes seems to be an extreme edge case that does not warrant a change to the programme at this stage.
    - Allowing such a change is departing from the TOM to fix a downstream issue rather than fixing the source. The change encourages poor behaviour by allowing a back door fix. Restrictions like this are intended to encourage better practice upfront to get things right first time. Allowing multiple changes negates the need to have robust processes.
    - The change does fix a defect in the design, nor is it critical to reaching M10, and therefore does not meet the Change Freeze criteria. Additionally, the change and subsequent testing needed creates unnecessary risk to successful Programme delivery
- **Further comments:**
    - Sufficient guard rails need to be built to ensure that this change does not adversely impact the downstream systems. Consideration needs to be given to how the supporting systems would be updated if there is a change in direction mid-contract.
    - It should be noted LDSOs have been advised to change this parameter in MPRS as part of REC CP R0062 after the batch run on 11th April 2024. Unless advised otherwise, this change will be implemented and will become effective from 12th April 2024, meaning multiple changes to the Energy Direction Indicator can be made after this date.
- **Implementation:**
    - The Programme does not believe the Change Request meets the Change Freeze criteria, and therefore does not believe the change should be implemented ahead of M10.

CR046 – Submitted Impact Assessments

Programme Parties	CR046 Recommendations			
	Yes	No	Abstain	No Reply
Large Suppliers	3	1	-	1
Medium Suppliers	1	-	-	6
Small Suppliers	-	-	-	33
I&C	2	-	-	39
DNOs	5	-	-	1
iDNOs	1	-	-	12
Ind. Agents	1	1	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	**17**	**3**	**4**	**169**

Market Share			
Yes	No	Abstain	No Reply
70%	18%	-	12%
10%	-	-	90%
-	-	-	100%
45%	-	-	55%

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 Independent Agent abstained from providing a recommendation as they suggested an alternative solution to the issue identified.
- The IPA, DCC and a Software Provider abstained from providing recommendations as they are not impacted by the proposed changes.

CR046 Impacts – Views on the proposed approach (Page 1)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR046)
Large Suppliers	+ Three of the four responding Large Suppliers supported the implementation of Change Request. + The benefits that the change will bring to consumers and settlement are recognised. + It is important to be able to correct energy flow where it is incorrect without the need to create a new MPAN. – One of the four responding Large Suppliers rejected the implementation of the Change Request. – The benefits will be gained post MHHS programme delivery. – The ability to change energy direction is already in existence, and the need for multiple changes seems to be an extreme edge case that does not warrant a change to the programme at this stage. • Sufficient guard rails need to be built to ensure that this change does not adversely impact the downstream systems. • Higher costs than those noted in the Change Request are expected, as impacts to downstream systems have not been included. • As there is no effective from date for energy direction, it must be considered how the impact of the change would be captured. • Consideration needs to be given to how the supporting systems would be updated if there is a change in direction mid-contract. • The change requires discussion at the DRG to understand the implementation options, and the journey the MPAN would need to undergo following a mid-life change in direction. • There is a potential risk associated with how a change of energy direction is treated by the parties that are notified of it via the PUB-018, especially the Data Services. This allows room for interpretation on how changes in energy direction should be processed and how any settlement data should be updated/reprocessed as a result, which could result in inaccurate data.
Medium Suppliers	+ The one responding Medium Supplier supported the implementation of the Change Request.
Small Suppliers	*Did not respond.*
I&C	+ The two responding I&C suppliers supported the implementation of the Change Request. + As an energy supplier, no additional costs are expected. + The avoidance of creating new RMPs will have a positive impact on the consumer.

CR046 Impacts – Views on the proposed approach (Page 2)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR046)
DNOs	+ All five of the responding DNOs support the implementation of the Change Request. + The Change Request enables the change associated with REC R0062, and if not implemented would result in a degradation of processes. Retaining the current MMHS drafting would represent a retrograde step and would introduce additional costs to remove the upgrade. + The proposed solution resolves the issue of customer detriment where an MPAN requires a change in energy direction more than once in its lifetime. The current solution, which requires the MPAN to be disconnected and a new MPAN raised, is not good customer service. • In order to remove any misinterpretation in MHHS design, and to keep in line with REC code change, it is preferred that the proposed solution is delivered as soon as possible, ideally before M10 'Central systems ready for migrating MPANs' milestone. • It should be noted LDSOs have been advised to change this parameter in MPRS as part of REC CP R0062 after the batch run on 11th April 2024. Unless advised otherwise, this change will be implemented and will become effective from 12th April 2024, meaning multiple changes to the Energy Direction Indicator can be made after this date.
iDNOs	+ The one responding iDNO supported the implementation of the Change Request.
Agents	+ One of the three responding agents support the implementation of the Change Request. + The change has a minimum impact on the existing design, whilst making a significant improvement to the existing process. – One of the three responding agents rejected the implementation of the Change Request. – The benefits that implementing the change would make are not made clear within the Change Request. – Allowing such a change is departing from the TOM to fix a downstream issue rather than fixing the source. The change encourages poor behaviour by allowing a back door fix. Restrictions like this are intended to encourage better practice upfront to get things right first time. Allowing multiple changes negates the need to have robust processes. • One of the three responding agents abstained from providing a recommendation. • Advice is required as to whether the single DI-016 Connection Type Effective From Date applies to all data items in that B023 - MPAN Connection Info block in the PUB-036 and PUB-018, or whether they would add an additional date that applies to the Energy Direction or put it in its own independent Block. • Data Services we would need validation on the Effective From Date to ensure that it's being applied in the Current Data Service period, given the routing only goes to the current agents and not the past ones in those messages. The previous Data Service would not be notified, therefore historic corrections wouldn't be applied if the Effective From Date was in the past. • It is suggested that the current one-time change should be updated to allow for more than one change in circumstance where the update is needed to correct a data error, rather than completely removing it.

CR046 Impacts – Views on the proposed approach (Page 3)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR046)
S/W Providers	+ One of the two responding Software Providers supported the implemented of the Change Request. + There would be a detriment to the consumer should R0062 be reversed. • One responding Software Provider abstained from providing a recommendation as the change does not impact them.
REC Code Manager	+ As the change raiser, RECCo are supportive of the implementation of the Change Request. + R0062 is due to be implemented under REC governance on 12th April 2024 in advance of MHHS go-live. As such, rather than introduce a change to MHHS arrangements, this change enables the new status quo position to endure under MHHS arrangements.
National Grid ESO	+ ESO are supportive of the implementation of the Change Request. + The ESO uses MPAN information when instructing aggregated units and that process assumes that the MPANs will have unique identifiers that are unique and persistent. If these MPANs change frequently then the ESO will need to change its internal processes to ensure that existing processes can continue. This would be disruptive to internal ESO processes so on that basis the ESO is supportive of this change.
Consumer	*Did not respond.*
Elexon (Helix)	*Did not respond.*
SRO / IM & LDP	– The Programme rejects the implementation of the Change Request. – The Programme does not support the implementation of this Change Request. It does not believe that this change fixes a defect in the design, nor is it critical to reaching M10, and therefore does not meet the Change Freeze criteria. Additionally, the change and subsequent testing needed creates unnecessary risk to successful Programme delivery.
IPA	• The IPA abstained from providing a recommendation as the change does not impact their activities.
Avanade	+ Avanade is supportive of the implementation of the Change Request, on the basis that they are not impacted by the implementation of the change.

The DAG are requested to advise the SRO on whether CR046 should be approved:

DECISION [103]	**SRO to approve/reject CR046 and associated implementation approach**

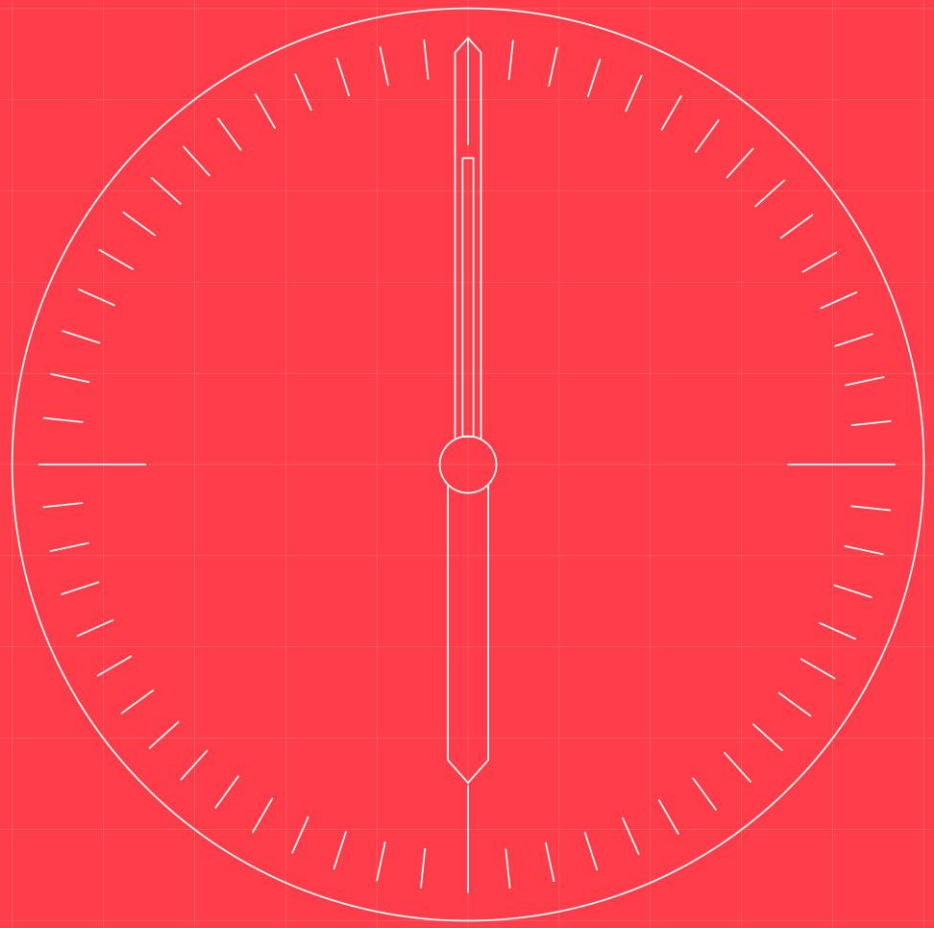
Confirmation of next steps will be provided following the decision

Design Updates

INFORMATION: Updates on Design Issue Notifications (DINs) and other design related matters

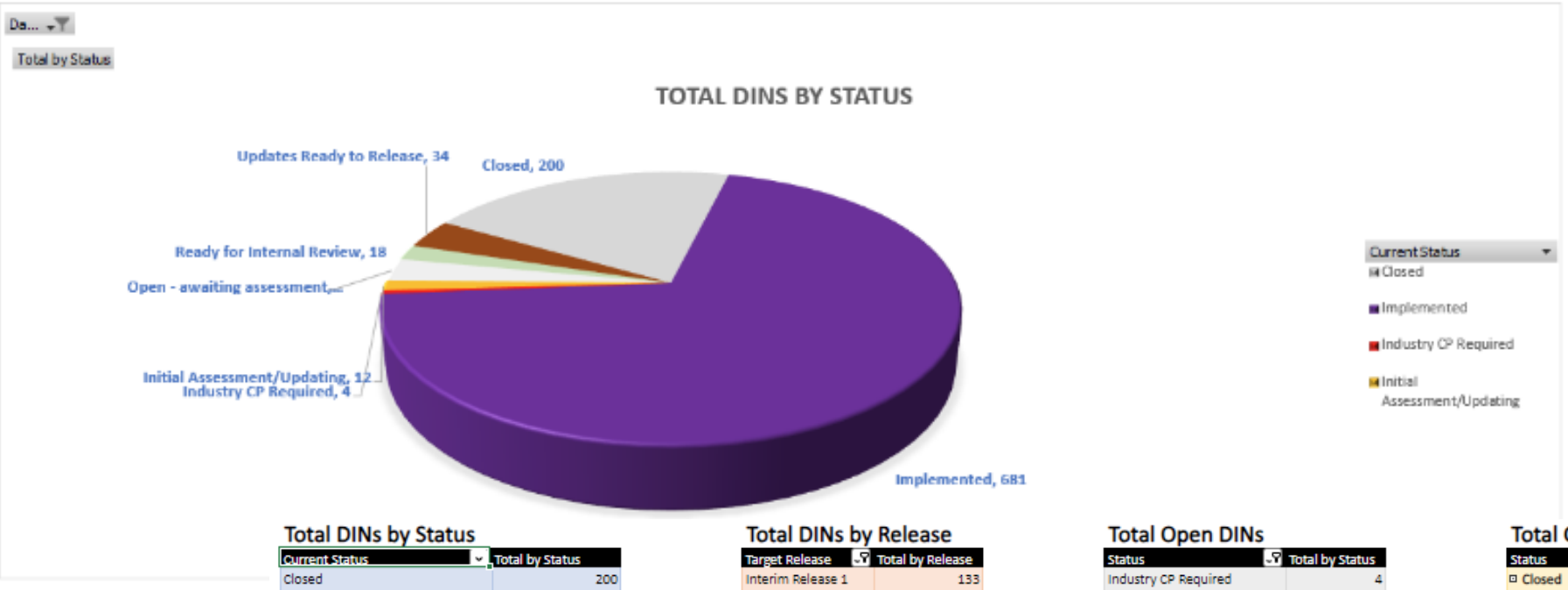
Programme (Paul Pettitt)

10 mins



DIN Log Stats as at 2 April 2024

Total Recorded DINs 975



Total DINs by Status

Current Status	Total by Status
Closed	200
Implemented	681
Industry CP Required	4
Initial Assessment/Updating	12
Open - awaiting assessment	26
Ready for Internal Review	18
Updates Ready to Release	34
Grand Total	975

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	80
Interim Release 8	44
Interim Release 5.1	25
Interim Release 2.1	3
Interim Release 2.2	1
Post Go-live Release	19
TBC	18
Interim Release 5.2	20
Interim Release 2.3	6
Interim Release 5.3	2
Interim Release 5.4	10
Interim Release 7.1	20
Interim Release 5.5	7
Interim Release 7.2	4
Grand Total	773

Total Open DINs

Status	Total by Status
Industry CP Required	4
Initial Assessment/Updating	12
Open - awaiting assessment	26
Ready for Internal Review	18
Updates Ready to Release	34
Grand Total	94

Total Closed DINs

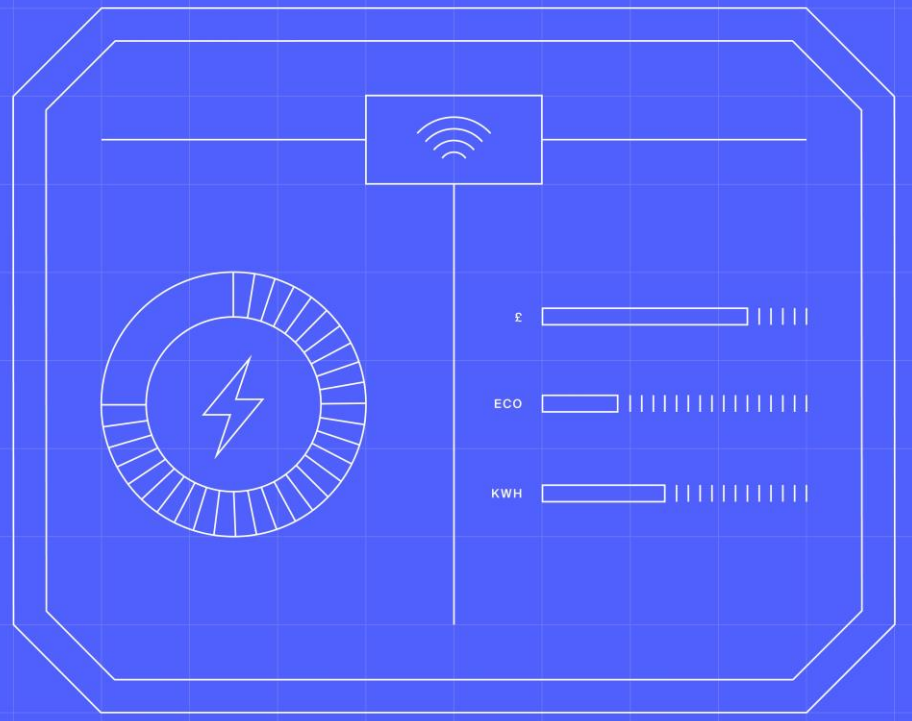
Status	Total by Status
⊟ Closed	200
(blank)	200
⊟ Implemented	681
Interim Release 1	133
Interim Release 2	103
Interim Release 3	57
Interim Release 4	84
Interim Release 5	103
Interim Release 6	34
Interim Release 7	80
Interim Release 5.1	25
Interim Release 2.1	3
Interim Release 2.2	1
Interim Release 5.2	20
Interim Release 2.3	6
Interim Release 5.3	2
Interim Release 5.4	10
Interim Release 7.1	20
Grand Total	881

Top Programme Risks related to DAG

INFORMATION: Overview of Programme Risks related to DAG

Programme (PMO)

5 mins

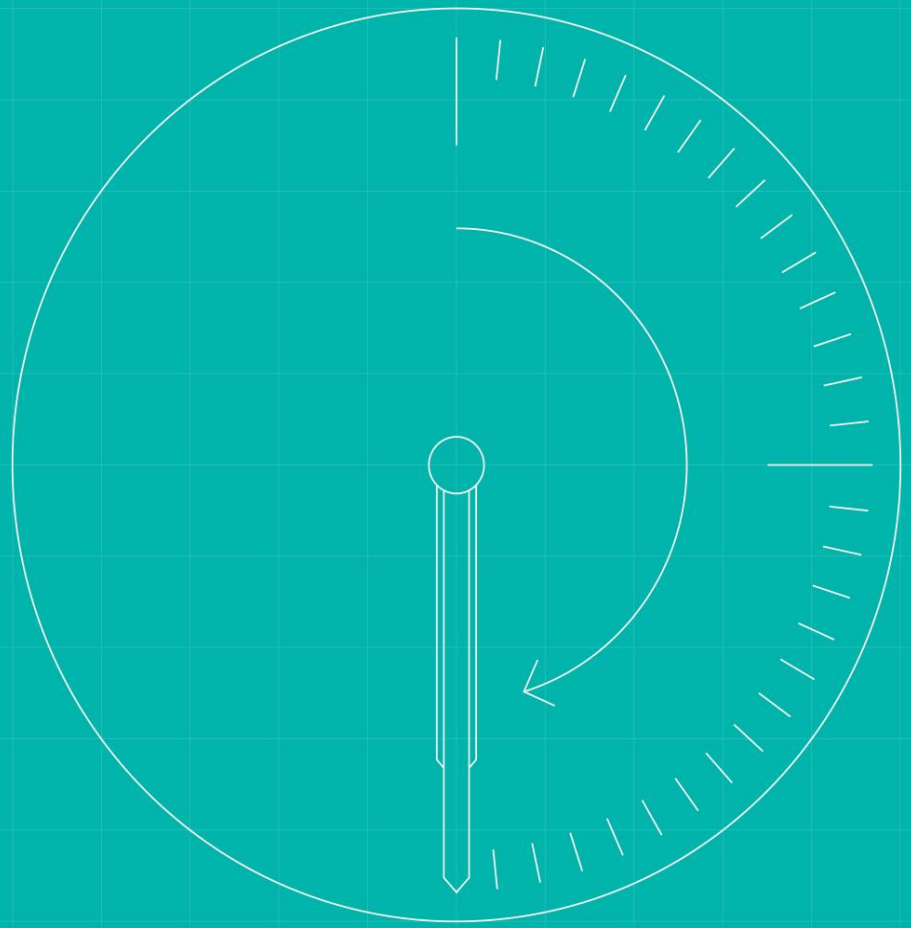


Key RAID Artefacts

A new RAID item can be raised using the **RAID Log Input Form**

You can view RAID items across the programme using **dPMO Tool**

Upcoming Programme Milestones related to DAG



INFORMATION: Overview of upcoming Programme Milestones related to DAG

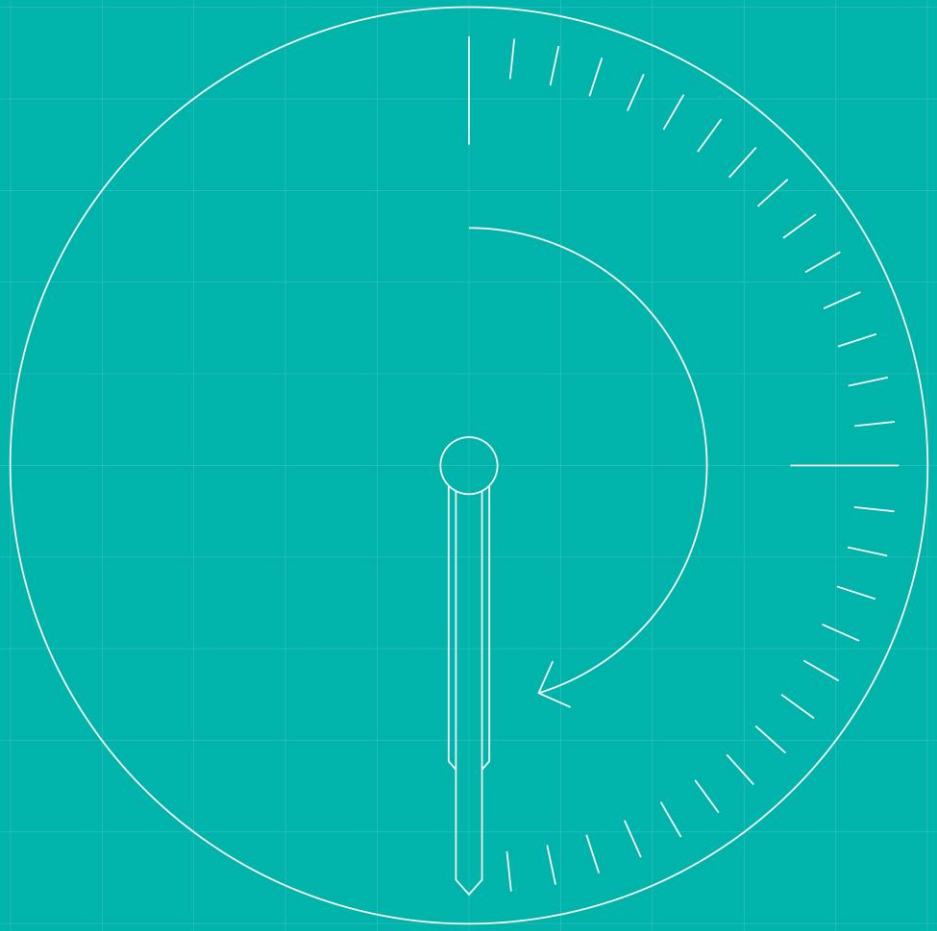
Programme (PMO)

5 mins

Upcoming milestones relevant to DAG

Milestone ID	Responsible	Milestone Title	Baseline Date	Forecast Date	Previous RAG 13/3/24	Current RAG 10/4/24	Forecast RAG 8/5/24	Commentary
T3-DB-0099	SI Design	Interim release 8 Go live	Wed 03/04/24	Wed 03/04/24				IR8 to be published 03 April 2024

Programme Updates



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

Programme (PMO)

10 mins

Level 3 Advisory Groups Updates

Advisory Groups
Updated to 03/04/2024

Governance group updates

Programme Steering Group (PSG)

PSG 03 April 2024

Qualification Testing (QT) Updates: PSG received updates on the status of existing QT deliverables and new proposed QT milestones contained within Programme Change Requests (CR) 047 and 048.

Migration Updates: PSG received updates on the development of the Migration Control Centre framework and associated consultations.

Testing Updates: PSG received updates on the progress of System Integration Testing (SIT) Functional testing, and the status of future SIT stages including SIT Migration and SIT Operationall.

Decision Appeal Lessons Learned: The IPA provided an overview of reflections on the appeals process following the CR036 appeal. The appeals process will be updated accordingly.

PSG papers available here.

Design Advisory Group (DAG)

DAG 13 March 2024

Interface Code of Connections (CoCo): SRO approved updated CoCo for publication as v1.4

CR043 Decision: SRO approved CR043 (Supplier Registration of ABMU and MPAN Mapping) for publication in IR8 and testing schedule to be determined.

CR044 Impact Assessment (IA): SRO approved CR044 (Implementation of 'Data Refresh' Message IF-051) for IA.

CR045 IA: SRO approved CR045 (Supply Start Date (SSD) Correction Tool) for IA, subject to a strawman solution being issued alongside the CR for IA.

CR045 IA: SRO approved CR046 (Enabling Metering Point Energy Flow to be changed more than once) for IA, with views to be solicited on implementation date.

DAG papers available here.

Cross Code Advisory Group (CCAG)

CCAG 27 March 2024

Horizon Scanning Log: DCUSA provided updates on DCP411, DCP414, DCP433. REC provided updates on R0037, R0062, R0075, R0098, R0108, R0109, R0121, R0133 & R0156. No new updates from BSC.

M7 Delivery Planning: Ofgem are the Authority (Regulator) who will use their Significant Code Review (SCR) Powers to direct Code Artefacts from the MHHS Governance and 'legalise' them into the individual Code Body multi-party agreement governance.

Mop-up 2 Consultation: Triaged consolidated comments log will be released w/c 01/04.

Code Drafting Working Group (CDWG): April CDWG1 to be cancelled, April CDWG2 to go ahead.

CCAG papers available here.

System Integration Testing Advisory Group (SITAG)*

SITAG 20 March 2024

SIT Migration Test Scenarios (TS) & Test Cases (TC): SRO approved the Theme 1 (Forward Migration) TSs & TCs.

SIT Functional Preparation Work-Off Updates: Programme provided updates on SIT F Prep work-off, per the meeting slides.

IPA Updates: IPA provided overview of volume of assurance recommendations made since April 2023, noting the majority have been implemented.

Milestones: SRO approved change of delivery date for Programme milestone T3-TE-0092 (Environment Approach and Plan - SIT Non-Functional).

SITAG papers available here.

Qualification Advisory Group (QAG)*

QAG 21 March 2024

QA&P: Updates on comments raised in Annex 1 and Annex 4 were provided. QAG approved the QA&P, Annex 1, and Annex 4.

QAD Consultation: QAD to go to REC PAB 26/03 and BSC PAB 28/03.

Qualification Milestones: High level changes were proposed to QAG. The two change requests have been raised to manage the changes, CR047 & CR048. QAG confirmed milestone T3-QU-0011.

QAG papers available here

Migration & Cutover Advisory Group (MCAG)*

MCAG 26 March 2024

Migration Control Centre Framework: Provided an update on the Migration Control Centre Framework.

Programme Milestones: No changes to milestones.

MCAG papers available here.

Wider Programme Updates

Participant Checklist:

1. Systems Integration Testing (SIT) Non-Functional Test Data Approach & Plan consultation - deadline **Friday 5 April 2024**
2. Qualification Approach & Plan (QA&P) Annex 2 consultation - deadline **Friday 5 April 2024**
3. Non-SIT Supplier & Agent Qualification Testing Test Scenarios Consultation - deadline **Friday 5 April 2024**
4. Migration Framework Consultation - deadline **Monday 8 April 2024**
5. SIT Operational Test & Test Data Approach & Plans Consultation - deadline **Tuesday 9 April 2024**
6. Licensed Distribution System Operator (LDSO) Test Scenarios Batch 3 - deadline **Friday 12 April 2024**
7. Non-SIT LDSO Test Data Plan Consultation – deadline **Monday 15 April 2024**
8. Pre-Qualification Submission - deadline **Friday 26 April 2024**
9. Design Interim Release Update
10. Qualification documents approved and published
11. SIT Migration Test Scenarios and Cases - Theme 3: Import/Export Meter Point Administration Numbers (MPANs) & Exception Handling
12. Environment Approach & Plan Uplifted to v2.13 for SITAG approval
13. Swaggerhub portal errors fixed

Participant Checklist: Collaboration Base and MHHS website.

Upcoming Governance Meetings:

- **Thursday 4 April:** Data Working Group (DWG)
- **Thursday 4 April 2024:** Systems Integration Testing Working Group (SITWG)
- **Tuesday 9 April 2024:** Qualification Working Group (QWG)
- **Wednesday 10 April 2024:** Design Advisory Group (DAG)

Upcoming Events:

- Pre-Integration Testing (PIT) Guidance Walkthrough Session: **Thursday 04 April 2024**
- Pre-Qualification Submission drop-in sessions:
  - **Thursday 4 April 2024** at **11:00 – 12:00**
  - **Tuesday 9 April 2024 (**following Qualification Working Group)
  - **Wednesday 17 April 2024** at **14:00 – 15:00**
- MHHS Open Day**: 23 April 2024**

MHHS PROGRAMME
Industry-led, Elexon facilitated

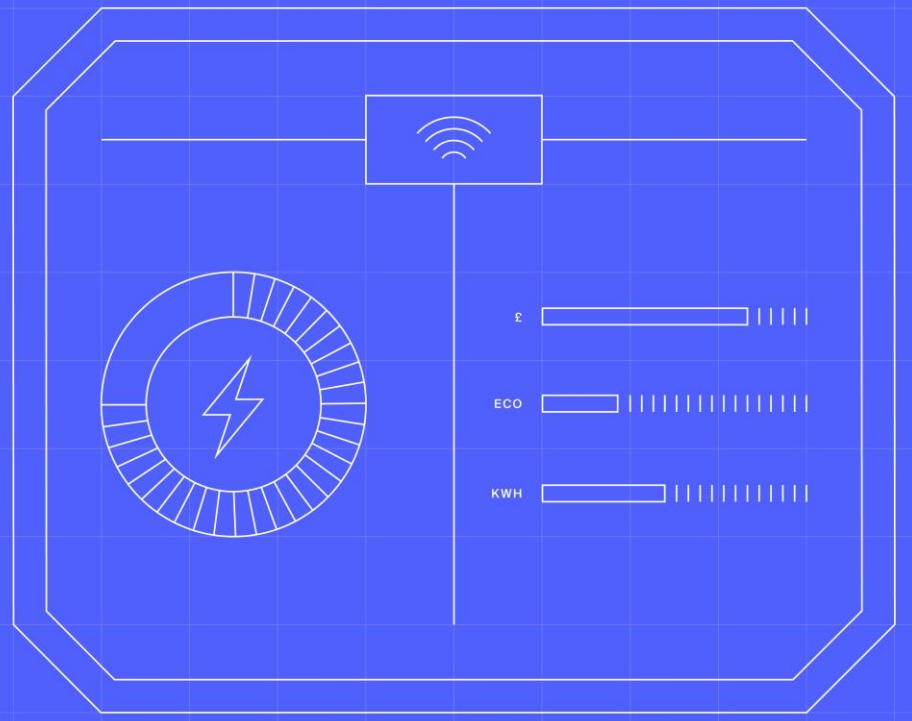
*SITAG, MCAG, QAG replaced the Testing and Migration Advisory Group (TMAG) in Q1 2024.

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 meeting: **08 May 2024 at 10am**

For information:

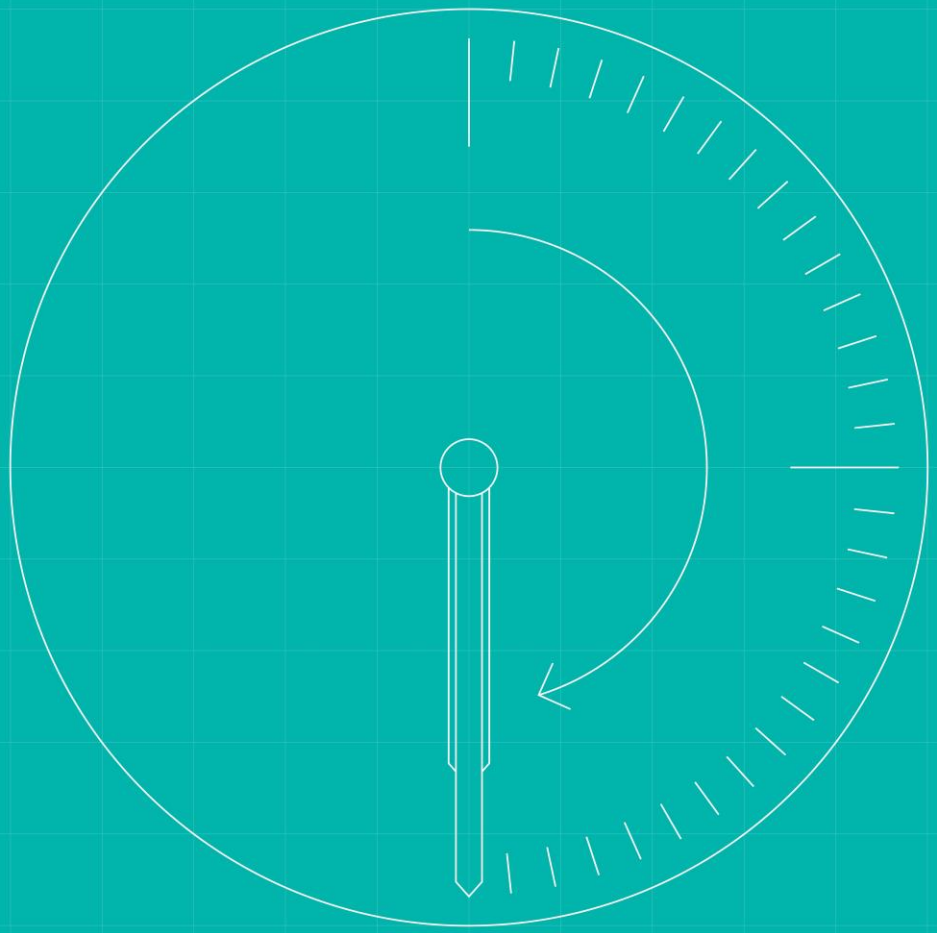
- MHHS Open Day 2024: **23 April 2024**

DAG agenda roadmap:

Meeting dates	08-May	12-Jun	10-Jul
Relevant milestones or activities	• None	• None	• None
Agenda items	• None	• None	• None
Standing items	• Minutes and Actions • Programme Updates • Design Updates • Upcoming Programme Milestones related to DAG • Top Programme Risks related to DAG • Summary and Next Steps	• Minutes and Actions • Programme Updates • Design Updates • Upcoming Programme Milestones related to DAG • Top Programme Risks related to DAG • Summary and Next Steps	• Minutes and Actions • Programme Updates • Design Updates • Upcoming Programme Milestones related to DAG • Top Programme Risks related to DAG • 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)

Appendix
DAG Design Principles



High Level Design Principles (1 of 2)

The items listed below represent the current programme view of the high-level principles to be applied to the end-to-end design.

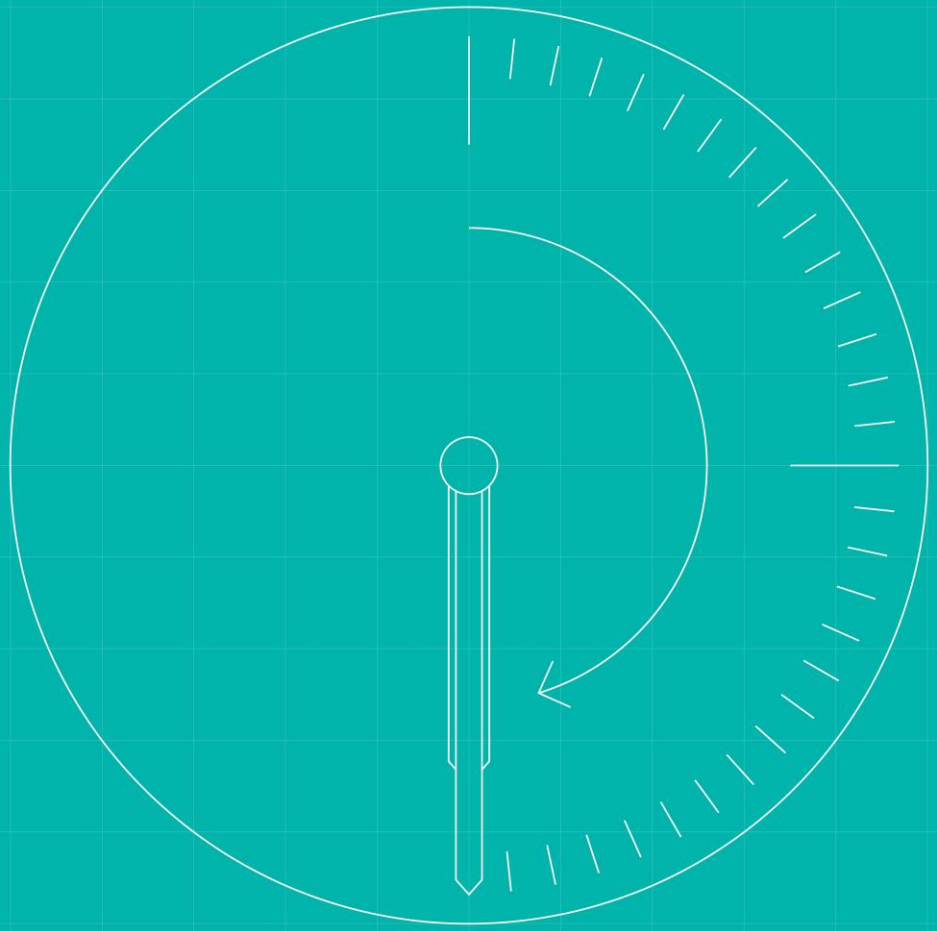
It should be noted that these principles should be adhered to wherever possible, this does not rule out instances where DAG may deviate from these where sufficient justification exists to deliver the core elements of the solution.

Ref	Principle	Scope	Sub-Principle	References
0	The solution will be designed to support timely and accurate settlement.	System Wide		
1	The solution will implement the TOM at a service level with prescribed interfaces between TOM services. The design will be agnostic as to the physical resolution that parties choose in the build of the services, it will only proscribe requirements and such physical characteristics as to enable interface build.	System Wide		PRI017
2	Energy Suppliers can choose how they deliver their TOM Data Services (direct or procured). Suppliers may perform any aspect of any service subject to qualification.	System Wide		PRI016
3	The DIP solution will remain stateless and will not execute Business Processing rules. For the purposes of this principle address derivation and routing are not considered business rules.	DIP	Sending parties are responsible for any follow up for business processes requiring completion (PRI026)	PRI024.PRI025
4	No new DTC flows will be created to resolve interface requirements for MHHS. Nor will there be facsimiles of existing DTC flows created on the DIP.	System Wide		
5	Where optionality exists with regard to resolving an interface to either the DIP or remaining on the DTN the solution will consider the full set of interfaces related to a process or service. i.e. if the majority of flows within a process use the DIP it would not be desirable for outliers to remain on the DTN.	System Wide		
6	Solution assumes that the data held/mastered by the owner/manager is correct. Services will undertake processing in good faith based on the data provided to them. This does not preclude the potential requirements for exception reporting and reconciliation requirements to rectify data quality issues.	System Wide	Will not duplicate items held in other systems(PRI004/005) Will only hold what is required to route messages Will not validate customer opt out (PRI008)	PRI003. PRI001. PRI010. PRI011. PRI019

High Level Design Principles (2 of 2)

Ref	Principle	Scope	Sub-Principle	References
7	TOM Service Operators will be responsible for reporting data accuracy issues to the data owner/manager	System Wide		PRI003
8	Data will be processed by all parties promptly and in accordance with applicable industry codes	System Wide	[Data services should process data in accordance with the settlement timetable]	PRI010
9	The solution will seek to minimise total cost to industry in the delivery of the OFGEM approved TOM services and Integration platform	System Wide		PRI027
10	The solution will be secure, scalable for volume, latency, interfaces and other key technical dimensions.	DiP		PRI015.PRI028
11	Interfaces will only pass those elements of data required in direct support of their governing business process and requirements. Where a changed value falls within a logical group of data e.g. House number in an address the logical group will be sent.	System Wide		
12	Design will be articulated with sufficient breadth and detail required to enable regulatory code drafting in addition to enabling Service Design, Build, Test & Operate.	System Wide		
13	Any technology selection will be mindful of future use cases.	DIP		
14	The solution will seek to maximise the benefits for consumers receiving MHHS services via current and future use cases. This includes benefits from smart metering and other areas captured in the business case.	System Wide		
15	All market participants, operating under MHHS Target Operating Model, will be afforded the ability to deliver the same level of service for the same MHHS service.	System Wide		

Appendix
Advisory Groups Update



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New Advisory Groups Update

System Integration & Testing Advisory Group (SITAG)

Monthly cadence: **Third Wednesday of the month**
First Meeting: **Weds 21 Feb 2024**

Representative	Seat Filled
Elexon (as central systems provider)	Yes
DCC (as smart meter central system provider)	Yes
RECCo	Yes
Large Supplier	Yes
Medium Supplier	No
Small Supplier	Yes
I&C Supplier	No*
Supplier Agent	No
Supplier Agent (Independent)	Yes
DNO	Yes
iDNO	Yes
National Grid ESO	Yes
Consumer	No**

Migration & Cutover Advisory Group (MCAG)

Monthly cadence: **Fourth Tuesday of the month**
First Meeting: **Tues 27 Feb 2024**

Representative	Seat Filled
Elexon (as central systems provider)	Yes
DCC (as smart meter central system provider)	Yes
RECCo	Yes
Large Supplier	Yes
Medium Supplier	No
Small Supplier	No
I&C Supplier	Yes
Supplier Agent	No
Supplier Agent (Independent)	Yes
DNO	Yes
iDNO	Yes
Consumer	No**
National Grid ESO	Yes

Qualification Advisory Group (QAG)

Monthly cadence: **Third Thursday of the month**
First Meeting: **Thurs 15 Feb 2024**

Representative	Seat Filled
RECCo (Qualification Body)	Yes
BSCCo (Qualification Body)	Yes
Large Supplier	Yes
Medium Supplier	Yes
Small Supplier	No
I&C Supplier	Yes
Supplier Agent	Yes
Supplier Agent (Independent)	Yes
DNO	Yes
iDNO	Yes
Consumer	No**

Colour Key

Recent change	Seat vacant

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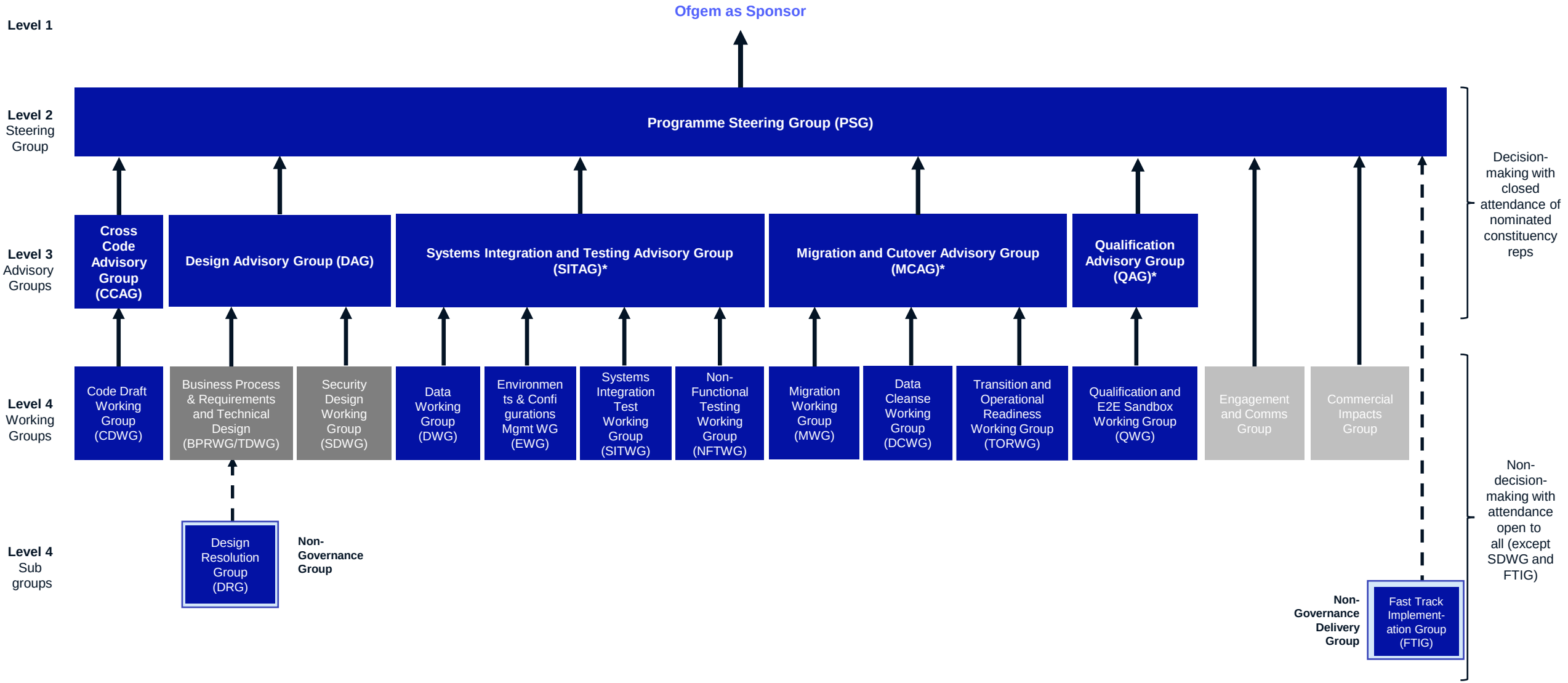
*I&C constituency has advised they do not intend to provide a representative for SITAG owing to there being no I&C Suppliers undertaking SIT. As such, this seat will remain vacant.
** Consumer constituency has advised they do not intent to provide a representative for SITAG, MCAG, or QAG owing to the technical nature of these meetings. Attendance will be by exception where required.

MHHS Governance and Decision-Making Structure



*SITAG, MCAG, QAG replaced the Testing and Migration Advisory Group (TMAG) in Q1 2024.

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