



**MHHS  
PROGRAMME**  
Industry-led, Elexon facilitated

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# Design Advisory Group #36

## 08 May 2024

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Version 1.0

MHHS-DEL2554

Document Classification: Public

## Agenda

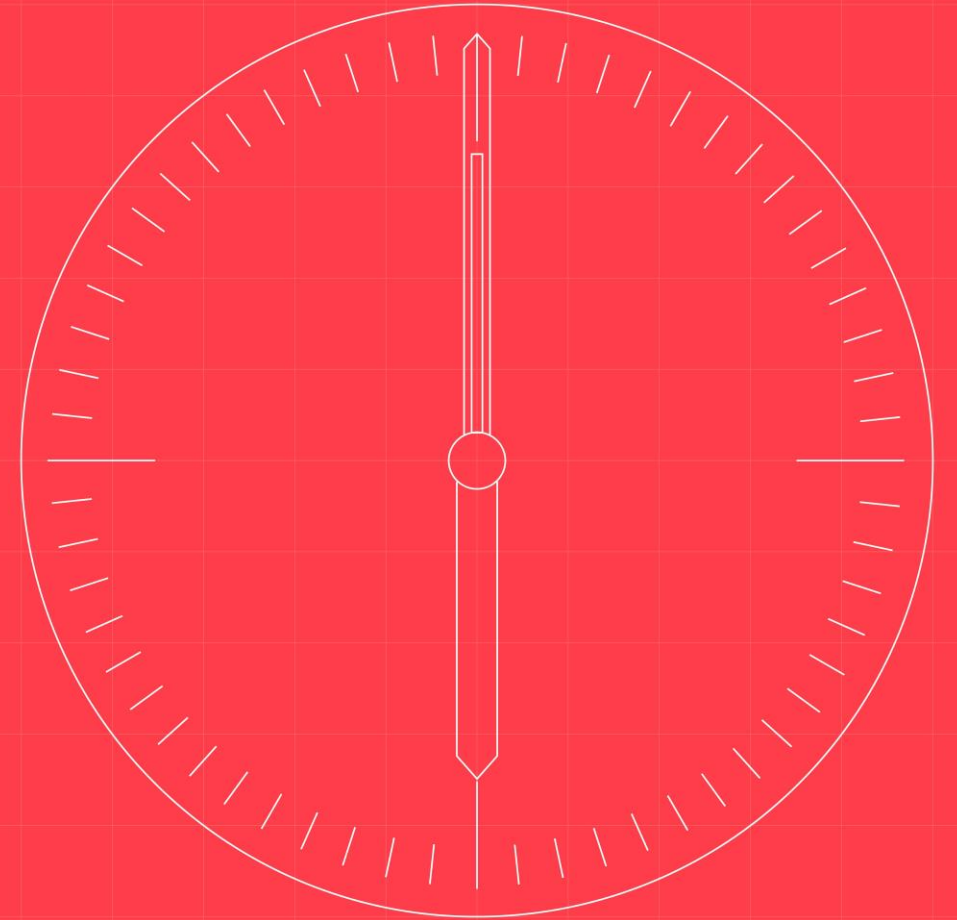
#	Item	Objective	Type	Lead	Time	Page
1	<a href="#">Welcome</a>	Introduction to meeting and member apologies	Information	Chair	10:00-10:05 <i>5 mins</i>	1
2	<a href="#">Minutes and Actions</a>	Approval of headline report and review of actions	Decision	Secretariat	10:05-10:20 <i>15 mins</i>	3
3	<a href="#">Change Requests Update</a>	Updates on Programme Change Requests	Information	Programme (PMO)	10:20-10:30 <i>10 mins</i>	5
4	<a href="#">Design Updates</a>	Updates on Design Issue Notifications (DINs) and other design related matters	Information	Programme (Paul Pettitt)	10:30-10:35 <i>5 mins</i>	8
5	<a href="#">Top Programme Risks related to DAG</a>	Overview of Programme Risks related to DAG	Information	Programme (PMO)	10:35-10:40 <i>5 mins</i>	10
6	<a href="#">Programme Updates</a>	Updates from other MHHS governance groups and wider Programme updates	Information	Programme (PMO)	10:40-10:45 <i>5 mins</i>	14
7	<a href="#">Summary and Next Steps</a>	Summarise key discussions, actions, and next steps	Information	Chair & Secretariat	10:45-10:50 <i>5 mins</i>	16
	<a href="#">Attachments</a>	Attachment 1 – DAG 14 February 2024 Headline Report v1.1 (change marked) Attachment 2 – DAG 13 March 2024 Headline Report v1.1 (change marked)				

# Minutes and Actions

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

*Secretariat*

*15 mins*



## Minutes and Actions Review (1/2)

1. Approval of change marked Headline Report of DAG held [14 February 2024](#) (**DECISION**), change marked Headline Report of DAG held [13 March 2024](#) (**DECISION**), and Headline Report of DAG held 10 April 2024 .
2. Review outstanding actions:

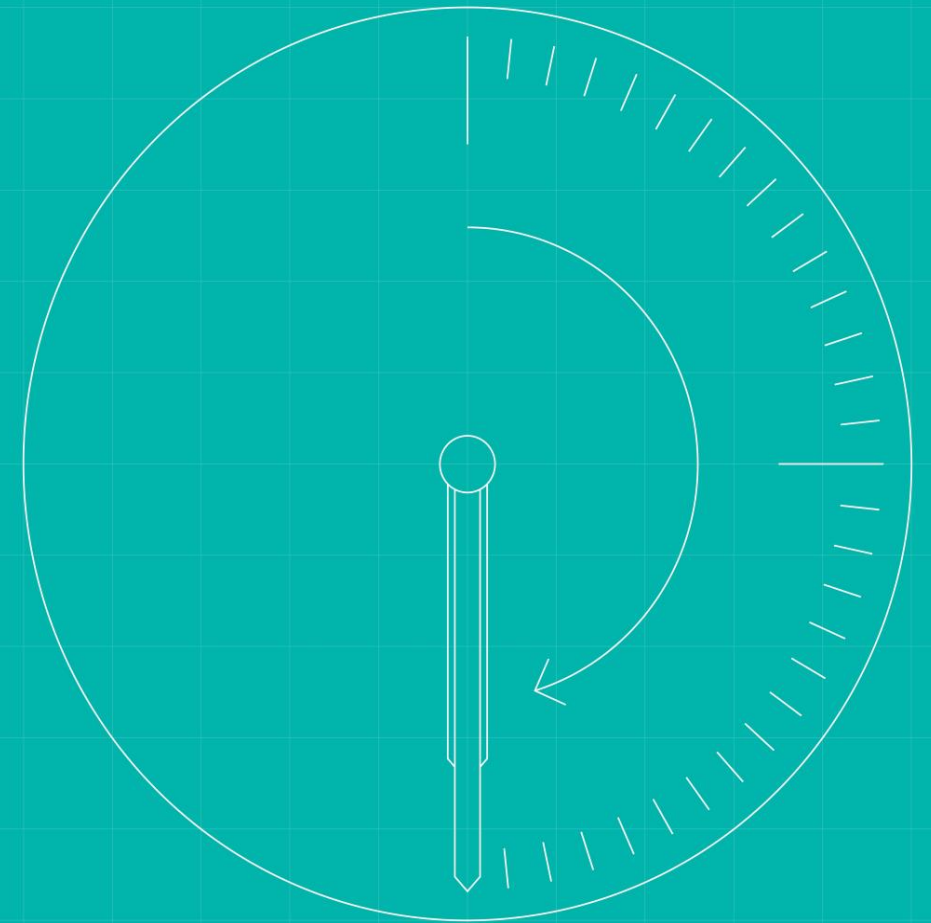
Ref	Action	Owner	Due	Latest update
DAG32-06	Programme to provide further detail on the change freeze criteria and how change requests are progressed into normal BSC/REC/SEC BAU	Programme (PMO)	08/05/2024	ONGOING: To be discussed under <i>agenda item 3</i> .
DAG34-04	Subject to information being provided 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	RECOMMEND CLOSED: <i>See outcome of ACTION DAG35-04</i> .
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 pending outcome of CR050 (Amendments to the MHHS Change Control Approach and Form).
DAG35-01	Programme to provide visibility of the outputs of the lessons learned information provided by participants in relation to the Interface Code of Connections and DIP onboarding processes, as well as information on onboarding requirements for future testing stages	Programme (Smitha Pichrikat)	08/05/2024	ONGOING: Update to be provided in meeting.
DAG35-02	Programme to raise Programme risk if CR044 is not approved for implementation pre-M10	Programme (Paul Pettitt)	08/05/2024	RECOMMEND CLOSED: Risk R856 has been raised. Update to be provided in meeting, pending outcome of discussion at Programme Steering Group (PSG). To be discussed under <i>agenda item 3</i> .
DAG35-03	Programme schedule Design Resolution Group (DRG) to develop detailed solution for CR045 (and include review of CR044 downstream impacts at this DRG also)	Programme (Paul Pettitt)	08/05/2024	ONGOING: DRG to be scheduled.
DAG35-04	Programme to raise a Programme risk over risks regarding the potential impacts of not implementing CR045 pre-M10	Programme (Paul Pettitt)	08/05/2024	RECOMMEND CLOSED: Risk R857 has been raised. Update to be provided in meeting, pending outcome of discussion at PSG. To be discussed under <i>agenda item 3</i>

# Change Requests Updates

**INFORMATION:** Updates on Programme Change Requests

*Programme (PMO)*

*10 mins*



## Change Requests Updates

Updates from Programme Steering Group (PSG) held 01 May 2024:

### CR044

#### Implementation of 'Data Refresh' Message IF-051

- PSG accepted DAG's recommendation that change to the MHHS Design is required
- PSG considered the risks associated with both pre-M10 and post-M10 implementation
- The Programme advised the solution has already been developed and is awaiting implementation
- PSG agreed a pragmatic approach would be to agree the change in principle and revisit implementation with participants by Autumn 2024 to determine whether implementation pre-M10 is feasible
- Should pre-M10 implementation not be feasible, the change will be handed over to Code Bodies for implementation under code governance processes, with a recommendation it be implemented as soon after M10 as possible
- The Programme will hold an implementation discussion group for CR044 to consider arrangements

### CR045

#### Supply Start Date (SSD) Correction Tool

- PSG accepted DAG's recommendation that change to the MHHS Design is required
- PSG considered the risks associated with both pre-M10 and post-M10 implementation
- PSG agreed a pragmatic approach would be to agree the change in principle and revisit implementation with participants in Autumn 2024 to determine whether implementation pre-M10 is feasible
- The Programme will progress detailed design development via the Design Resolution Group (DRG) ahead of holding an implementation discussion group for CR045 to consider arrangements, and engaging with Code Bodies on potential transition to enduring code governance/change process
- Should pre-M10 implementation not be feasible, the change will be handed over to Code Bodies for implementation under code governance processes, with a recommendation it be implemented as soon after M10 as possible (and noting CR045 is considered a higher priority than CR044)

## Other CR Updates

- **CR047:** Amending Qualification Milestones for non-SIT LDSO QT and **CR048:** Amending Qualification Milestones for Non-SIT Supplier and Agent QT were both approved by the Change Board. This approval decision was ratified by the SRO at PSG on 01 May 2024.
- **CR050:** Amendments to the MHHS Change Control Approach and Form will require Ofgem approval and will be issued to Impact Assessment.

## Change Request Status

**Change Control**  
Updated to 01/05/2024

Ref.	Key Detail	Change Raiser(s)	Change Type	Latest Action	Approval Status	Current Stage in Change Control	Action <i>If approved</i>	Implementation date/milestone	Change Owner(s) <i>If approved</i>
CR043	Supplier Registration of ABMU and MPAN Mapping	Mike Coney, Elexon	Full Impact Assessment	Approved by DAG (13-Mar-24)	Approved	Complete			Paul Pettitt, MHHS Programme
CR044	Implementation of 'Data Refresh' Message IF-051	Sean Cooper, MHHS Programme	Full Impact Assessment	Awaiting PSG decision on implementation	Open	Approval decision			
CR045	Supply Start Date (SSD) Correction Tool	Sean Cooper, MHHS Programme on behalf of SCS	Full Impact Assessment	Awaiting PSG decision on implementation	Open	Approval decision			
CR046	Enabling Metering Point Energy Flow to be changed more than once	Harriet Truss, RECCo	Full Impact Assessment	Approved by DAG (10-Apr-24)	Approved	Implementation	Implement in IR8.X	TBC	Paul Pettitt & Sean Cooper, MHHS Programme
CR047	Amending Qualification Milestones for non-SIT LDSO QT	Ben Wickins, MHHS Programme	Full Impact Assessment	Approved by Change Board (12-Apr-24), subject to ratification by PSG	Open	Approved			
CR048	Amending Qualification Milestones for Non-SIT Supplier and Agent QT	Laura Kennedy, Credera	Full Impact Assessment	Approved by Change Board (12-Apr-24), subject to ratification by PSG	Open	Approved			
CR049	Swagger Open API 3.0 to 3.1 Upgrade	Rob Golding, MHHS Programme	Full Impact Assessment	Withdrawn by Change Raiser	Withdrawn	Withdrawn			
CR050	Amendments to the MHHS Change Control Approach and Form	Immy Syms, MHHS Programme	Housekeeping	Awaiting Change Board approval (30-Apr-24)	Open	Development			

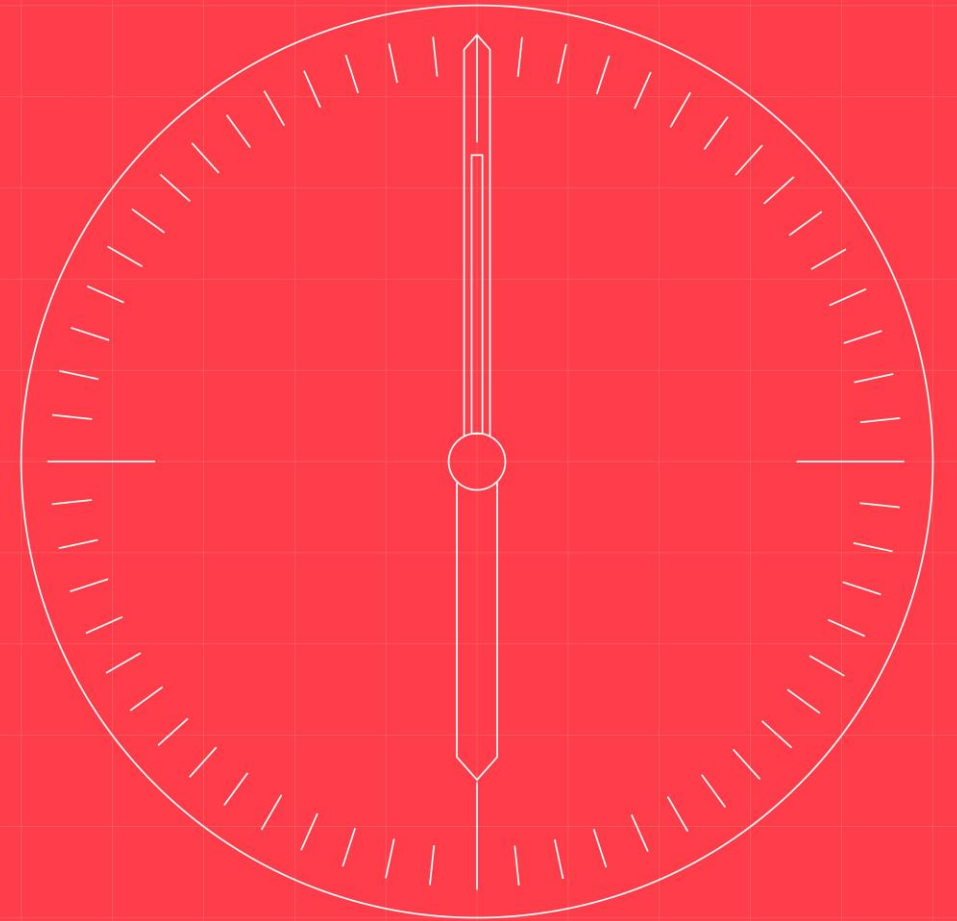
This slide captures Change Requests raised in the last three months. A full record of all MHHS Change Requests can be found on the [Change Control page of the Collaboration Base](#)

# Design Updates

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

*Programme (Paul Pettitt)*

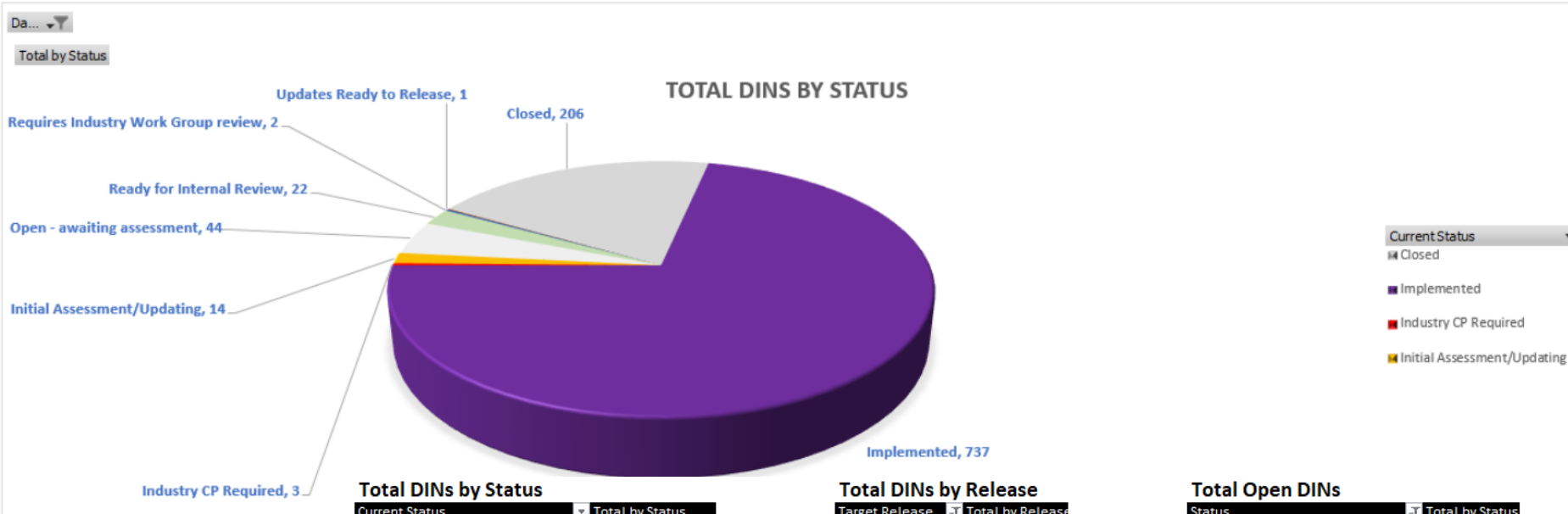
*5 mins*





# DIN Log Stats as at 30 April 2024

Total Recorded DINs 1029



Total DINs by Status

Current Status	Total by Status
Closed	206
Implemented	737
Industry CP Required	3
Initial Assessment/Updating	14
Open - awaiting assessment	44
Ready for Internal Review	22
Requires Industry Work Group review	2
Updates Ready to Release	1
<b>Grand Total</b>	<b>1029</b>

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	43
Interim Release 5.1	25
Interim Release 2.1	3
Interim Release 2.2	1
Post Go-live Release TBC	19
Interim Release 5.2	8
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
<b>Grand Total</b>	<b>762</b>

Total Open DINs

Status	Total by Status
Industry CP Required	3
Initial Assessment/Updating	14
Open - awaiting assessment	44
Ready for Internal Review	22
Requires Industry Work Group review	2
Updates Ready to Release	1
<b>Grand Total</b>	<b>86</b>

**Design Interim Releases (IRs)**

IR7.3 – Published 08 May 2024

IR8.1 – Publishing date TBC

Total Closed DINs

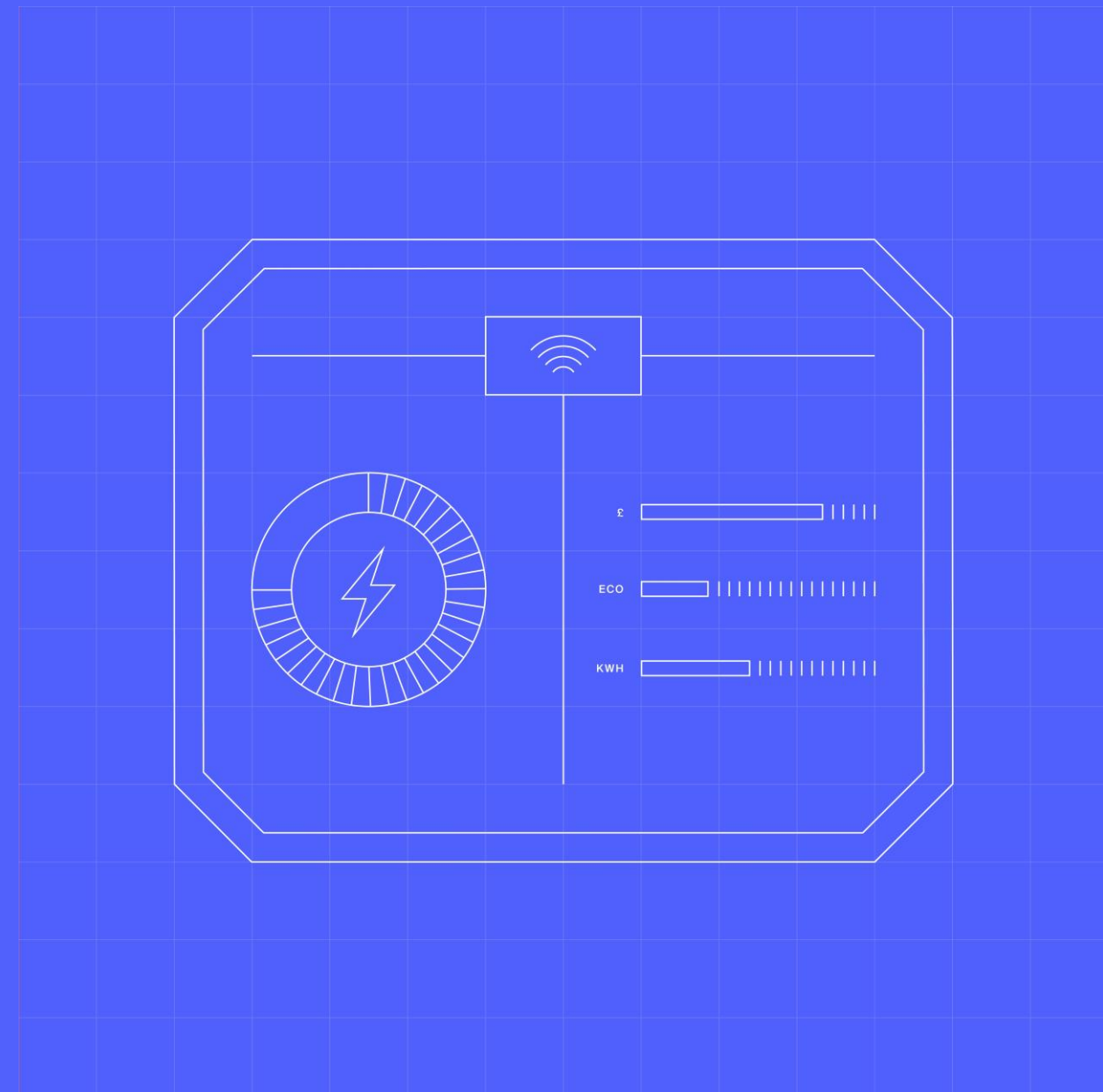
Status	Total by Status
Closed	206
(blank)	206
Implemented	737
Interim Release 1	133
Interim Release 2	103
Interim Release 3	57
Interim Release 4	84
Interim Release 5	103
Interim Release 6	34
Interim Release 7	80
Interim Release 8	43
(blank)	2
Interim Release 5	25
Interim Release 2	3
Interim Release 2	1
Interim Release :	20
Interim Release :	6
Interim Release 5	2
Interim Release 5	10
Interim Release 7	20
Interim Release 5	7
Interim Release 7	4
<b>Grand Total</b>	<b>943</b>

# 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](#)



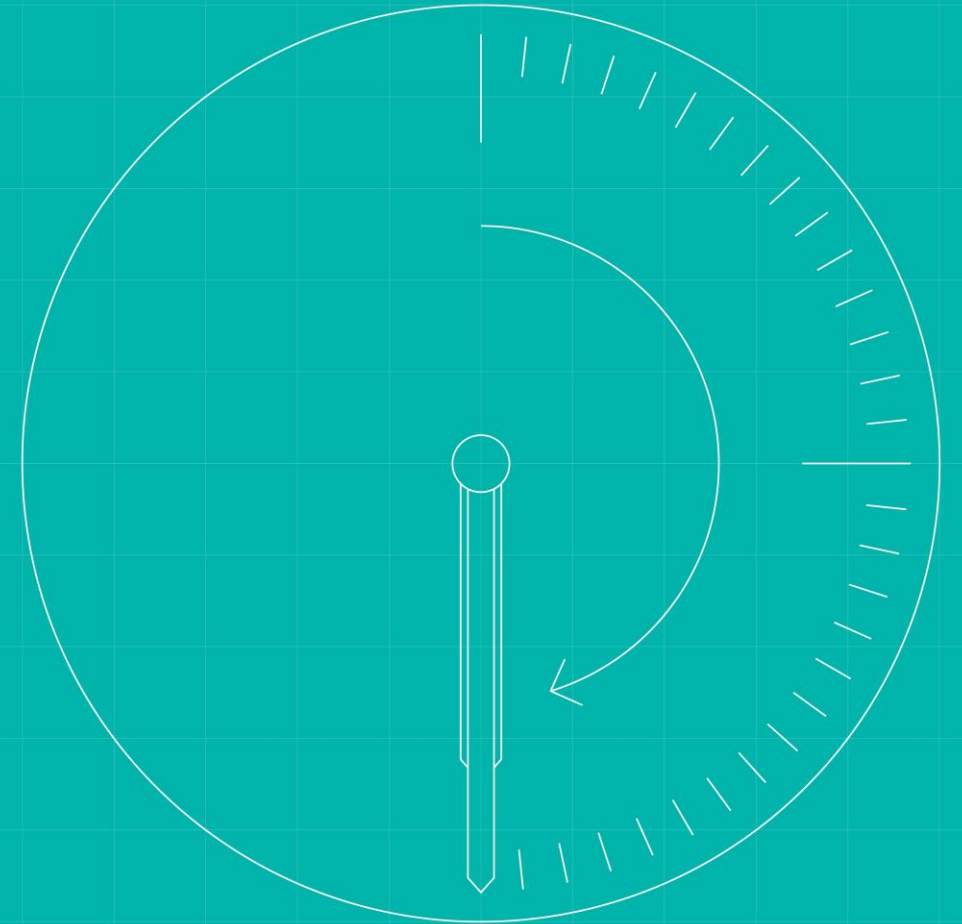
You can view RAID items across the programme using [dPMO Tool](#)

# Programme Updates

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

*Programme (PMO)*

*5 mins*



Governance group updates

**Programme Steering Group (PSG)**

**PSG 01 May 2024**

**CR047 & CR048:** SRO approved CRs to add/amend Qualification milestones within the Programme Plan.

**CR044 & CR045:** PSG received escalations from DAG over challenges with implementation and determined the changes be approved in principle with feasibility of implementing pre-M10 to be determined by Autumn 2024, or transitioned to code governance processes for implementation post-M10.

**DBT2 (Consequential Change) Risks**

**Assessment:** IPA recommended assurance is undertaken for participant consequential change related to MHHS that is outside the scope of the Programme (DBT2). Impact assessments would be requested from participants. IPA took an action to consider the governance of any DBT2 assurance. PSG papers available [here](#).

**System Integration Testing Advisory Group (SITAG)\***

**SITAG 17 April 2024**

**SIT Migration Test Scenarios (TS) & Test Cases (TC):** SRO approved the Themes 2 (Reverse Migration) & 3 (Import/Export MPANs & Exception Handling ) TSs & TCs, excluding SIT-M-RM-COS-DfltVal v0.1 and ISD updates testing.

**Environments Approach & Plan:** SRO approve v2.13 of plan, incorporating latest non-SIT LDSO requirements.

**SIT Functional Updates:** SIT F readiness work-off item substantively complete. Steady progress on SIT F execution, but Programme requests increase in throughput.

**SIT Delivery Plans:** Overview of plans and deliverable dates for future SIT stages. SITAG papers available [here](#).

**Design Advisory Group (DAG)**

**DAG 10 April 2024**

**CR044 Decision:** DAG recommended design changes should be made, however owing to potential challenges with implementation pre-M10 (Systems ready for migrating MPANs) determined the decision should be escalated to the Programme Steering Group (PSG).

**CR045 Decision:** DAG recommended design changes should be made, however owing to potential challenges with implementation pre-M10 and risks associated with not implementing pre-M10, determined the decision should be escalated to the PSG.

**CR046 Decision:** SRO approved CR046 ([Enabling Metering Point Energy Flow to be changed more than once](#)) for release in a future IR8.x release (date TBC) and with testing impacts (if any) to be discussed via the SIT workstream. DAG papers available [here](#).

**Qualification Advisory Group (QAG)\***

**QAG 18 April 2024**

**Functional Non-SIT LDSO Test Scenarios and Test Cases:** SRO approved the Functional Non-SIT LDSO Test Scenarios and Test Cases

**Focused Working Group for QT:** Chair approved the creation of two new qualification subgroups, the Non-SIT LDSO and Non SIT Supplier & Agent Qualification Testing subgroups

**Environments Approach and Plan:** The Programme advised there would be further iterations of the document in future to incorporate Supplier & Agent QT and the environments sandbox. QAG papers available [here](#)

**Cross Code Advisory Group (CCAG)**

**CCAG 24 April 2024**

**Horizon Scanning Log:** DCUSA provided updates on DCP428. REC provided updates on R0062, R0093, R0098, R0108, R0121 & R0144. No new updates from BSC.

**CCAG Reporting & Risks:** CCAG is on track for M6 delivery in August 2024. M6 success criteria will be amended and brought back to May's CCAG.

**M7/M8 Planning:** The approach has been agreed for M7/M8 planning, and activities are ongoing. Further updates to be brought to May CCAG.

**Mop-up 2 Consultation Update:**

**Code Drafting Working Group (CDWG):** Presented mop-up 2 consultation update, and consistency check approach. CCAG 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.REMINDER: Qualification Approach & Plan Annex 1 Consultation – the deadline is **Friday 3 May 2024**
- 2.REMINDER: Non-Systems Integration Testing (SIT) Licensed Distribution System Operator (LDSO) Migration Test Scenarios & Test Cases Consultation – the deadline is **Friday 3 May 2024**
- 3.REMINDER: M10/M11 Cutover Plan Consultation – the deadline is **Tuesday 7 May 2024**
- 4.Non-Functional and Operational updates to the Placing Reliance Policy – the deadline is **Friday 17 May 2024**
- 5.Design Interim Release 7.3 Artefacts coming soon
- 6.Pre-Qualification Submission (PQS) following the deadline last week
- 7.Unmetered Supplies (UMS) Exemption Decision at Elexon's Performance Assurance Board (PAB)

You can view the **Participant Checklist** on the respective **Planning pages** of the [Collaboration Base](#) and the [MHHS website](#). We've created the **Interim Release and Swagger version alignment document** for SIT participants, which can be viewed on the respective **SIT pages** of the [Collaboration Base](#) and [MHHS website](#).

**Upcoming Governance Meetings:**

- Thursday 2 May 2024:** Data Working Group (DWG)
- Thursday 2 May 2024:** Systems Integration Testing Working Group (SITWG)
- Tuesday 7 May 2024:** Environments and Configuration Working Group (EWG)
- Tuesday 7 May 2024:** Extraordinary Non-Functional Testing Working Group (NFTWG)
- Wednesday 8 May 2024:** [Design Advisory Group \(DAG\)](#)
- Wednesday 8 May 2024:** [Migration and Cutover Advisory Group \(MCAG\)](#)

**Guidance Documents:**

- **Pre-Integration Testing (PIT) Guidance:** The Programme has updated the **PIT Guidance Document**. You can find the updated clean and red-lined versions on the [PIT page of the MHHS website](#).
- **Industry Standing Data Guidance:** On behalf of Elexon's Helix Team, the Programme has published an updated version of the **ISD Participant Guidance Note** to align with the **Data Store Technical Specification**. You can find both these documents on the [Industry Standing Data page of the Collaboration Base](#).
- **MHHS Knowledge Base:** We've updated the Knowledge Base with the following guidance documents to support Programme participants:
  - **Participant Defect Logging** - Principles and guidance on raising defects
  - **MHHS DateTime** - Clarity on how participants should use DateTime fields
  - **Data Integration Platform (DIP) Message Tracker** - Information on the user interface available for participants to view messages in and out of the DIP.
  - You can access this on the [MHHS Programme Knowledge Base page of the Collaboration Base](#).

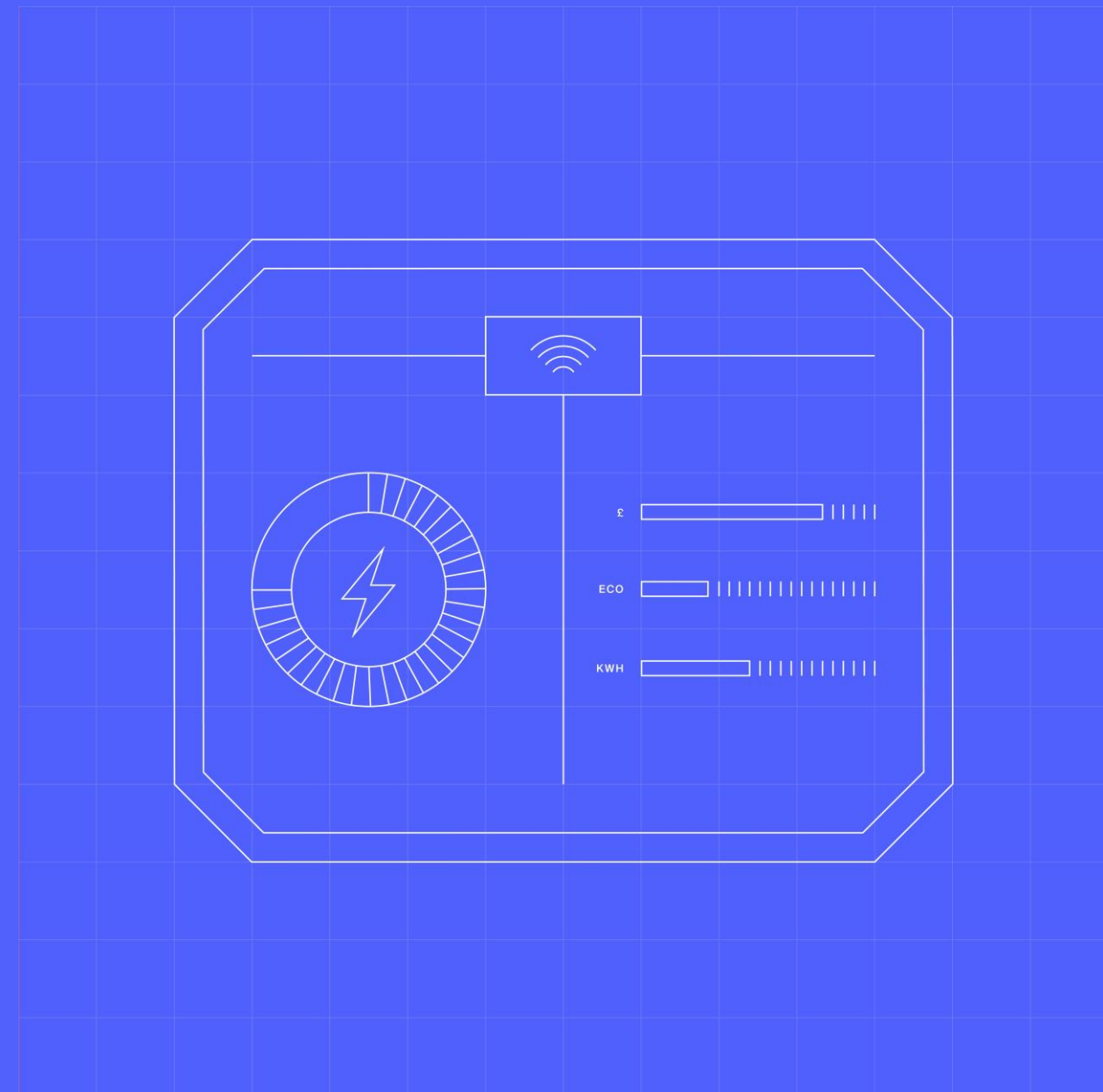
\*SITAG, MCAG, QAG replaced the Testing and Migration Advisory Group (TMAG) in Q1 2024.

# Summary and Next Steps

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

*Chair & Secretariat*

*5 mins*



## Summary and Next Steps

### Next steps:

- Confirm actions and decisions from meeting
- Future DAG meetings

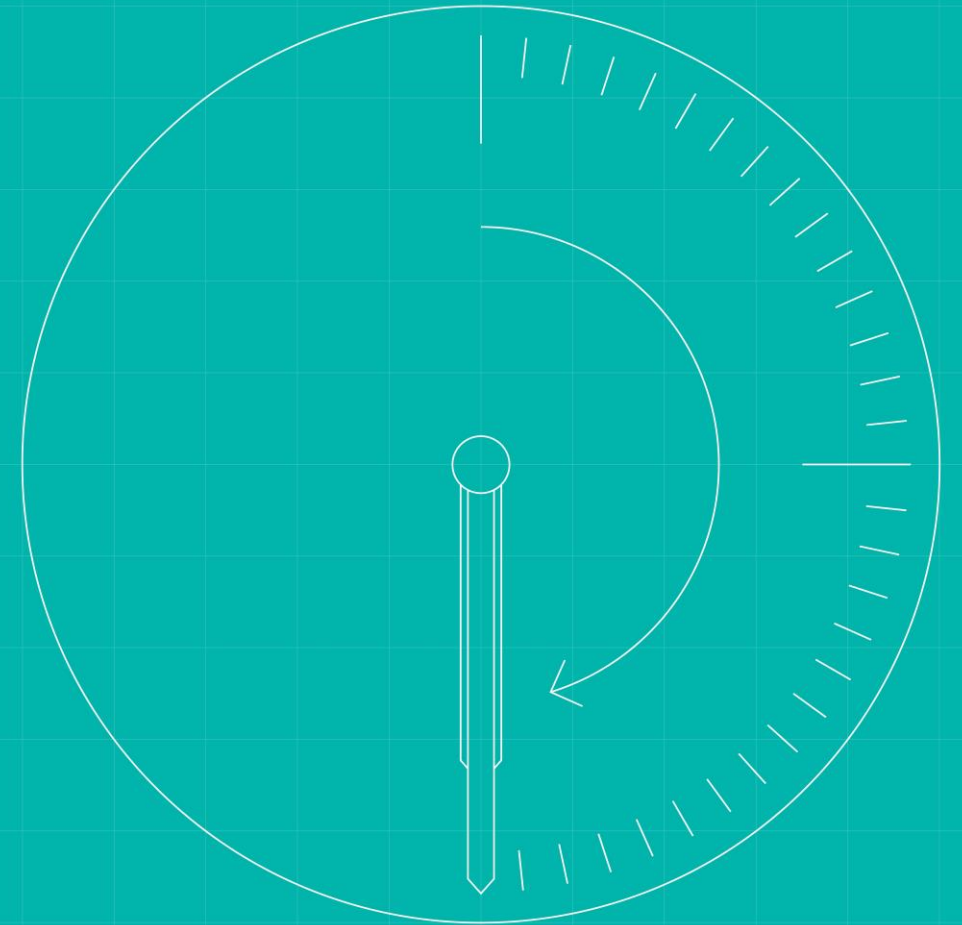
### DAG agenda roadmap:

Meeting dates	12-Jun
Relevant milestones or activities	<ul style="list-style-type: none"><li>• None</li></ul>
Agenda items	<ul style="list-style-type: none"><li>• None</li></ul>
Standing items	<ul style="list-style-type: none"><li>• Minutes and Actions</li><li>• Programme Updates</li><li>• Design Updates</li><li>• Upcoming Programme Milestones related to DAG</li><li>• Top Programme Risks related to DAG</li><li>• Summary and Next Steps</li></ul>

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](mailto: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.

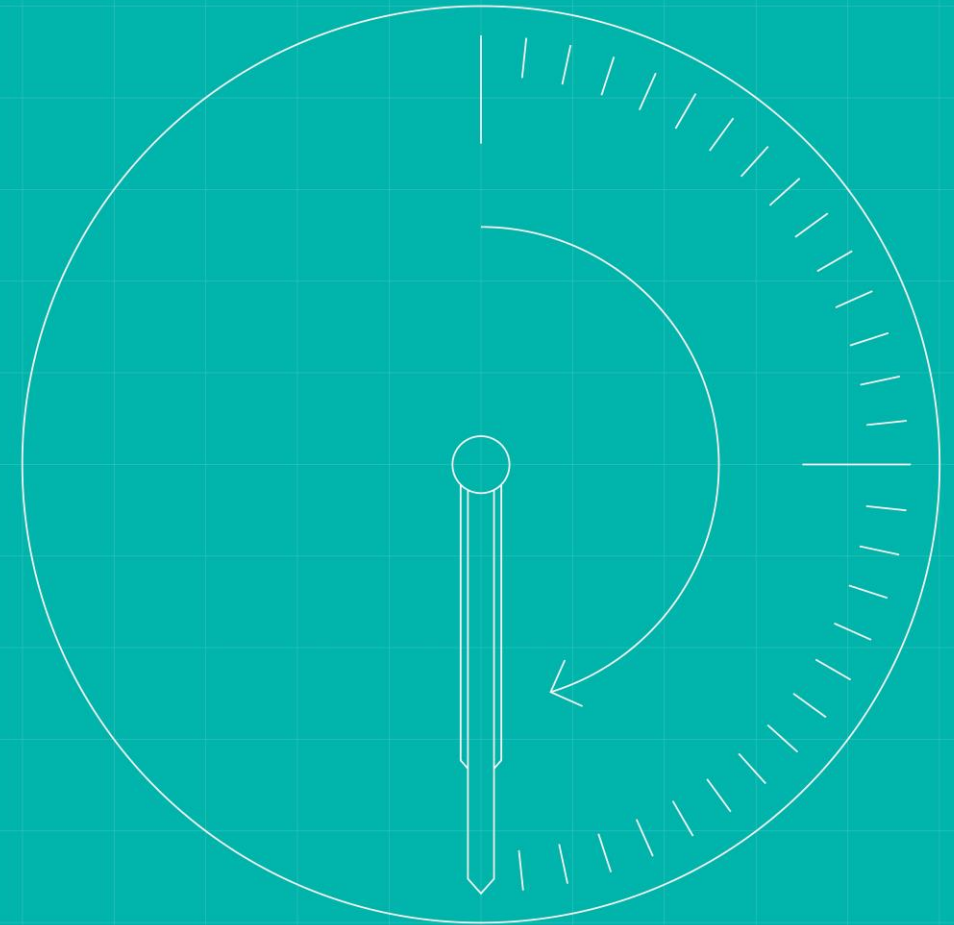
**It should be noted that these principles should be adhered to wherever possible, this does not rule out instances where DAG may deviate from these where sufficient justification exists to deliver the core elements of the solution.**

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



## New Advisory Groups Update

System Integration & Testing Advisory Group (SITAG)	
Monthly cadence: <b>Third Wednesday of the month</b> First Meeting: <b>Weds 21 Feb 2024</b>	
Representative	Seat Filled
Elxon (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: <b>Fourth Tuesday of the month</b> First Meeting: <b>Tues 27 Feb 2024</b>	
Representative	Seat Filled
Elxon (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

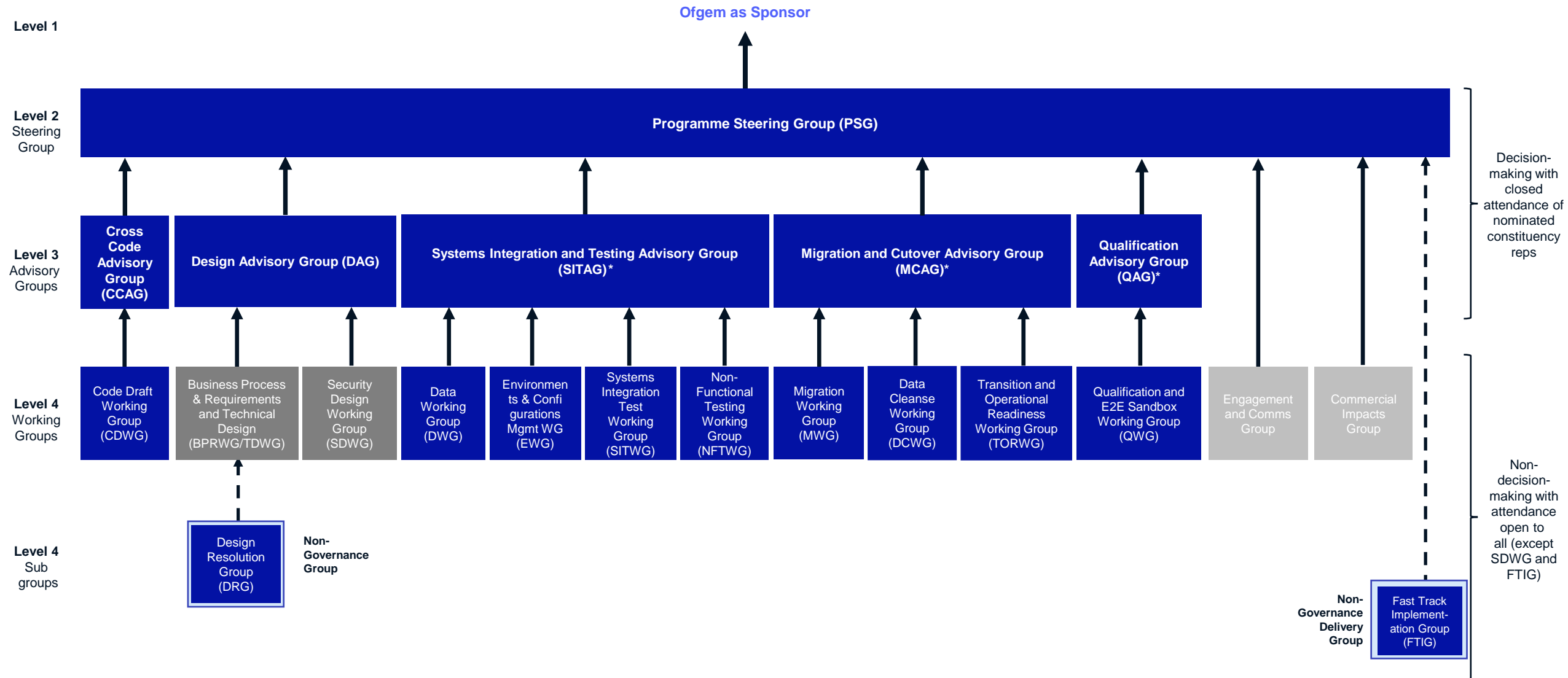
Qualification Advisory Group (QAG)	
Monthly cadence: <b>Third Thursday of the month</b> First Meeting: <b>Thurs 15 Feb 2024</b>	
Representative	Seat Filled
RECCo (Qualification Body)	Yes
BSCCo (Qualification Body)	Yes
Large Supplier	Yes
Medium Supplier	Yes
Small Supplier	No
I&C Supplier	Yes
Supplier Agent	Yes
Supplier Agent (Independent)	Yes
DNO	Yes
iDNO	Yes
Consumer	No**

Colour Key	
Recent change	Seat vacant

\*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 intend 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



Key	Mobilised	Mobilisation in progress	To be mobilised in future	May be mobilised	Available for any ad hoc meetings

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