



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

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# Design Advisory Group #20.1

## 01 February 2023

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Version 1.0

MHHS-DEL906

Document Classification: Public

## Agenda

#	Item	Objective	Type	Lead	Time	Page
1	<b>Welcome</b>			Chair	13:00-13:05 <i>5 mins</i>	1
2	<b>CR014 Impact Assessment Decision</b>	Decision on whether to issue the Change Request to Impact Assessment	Decision	Elexon (Helix) Matt Hall	13:05-13:15 <i>10 mins</i>	3
3	<b>DAG Meeting Governance</b>	Provide overview of DAG meeting operation, decision making, and how voting will be managed	Information	Secretariat	13:15-13:25 <i>10 mins</i>	5
4	<b>Work-Off Plan Completion</b>	Overview of completion of work-off items	Information	Programme (Warren Fulton & Claire Silk)	13:25-13:55 <i>30 mins</i>	11
5	<b>SI Design Assurance View</b>	Provide view from the MHHS SI Design Assurance Team of second line assurance relating to completion of the Work-Off Plan	Information	Programme (Design Assurance Team)	13:55-14:05 <i>10 mins</i>	18
6	<b>IPA View</b>	Provide view from the Independent Programme Assurance provider of third line assurance relating to completion of the Work-Off Plan	Information	IPA (Colin Bezzant)	14:05-14:15 <i>10 mins</i>	20
7	<b>Work-Off Plan Decision</b>	Decision on completion of the M5 Work-Off Plan and re-baseline of MHHS Design Artefacts	Decision	Chair & Secretariat	14:15-14:35 <i>20 mins</i>	21
8	<b>Summary and next steps</b>	Summarise key discussions, actions, and next steps	Information	Chair & Secretariat	14:35-14:45 <i>10 mins</i>	29

### Attachments/Appendices

Appendix 1 – M5 Work-Off Plan- Assurance Meeting

Attachment 1 – M5 Work-Off Completion Report

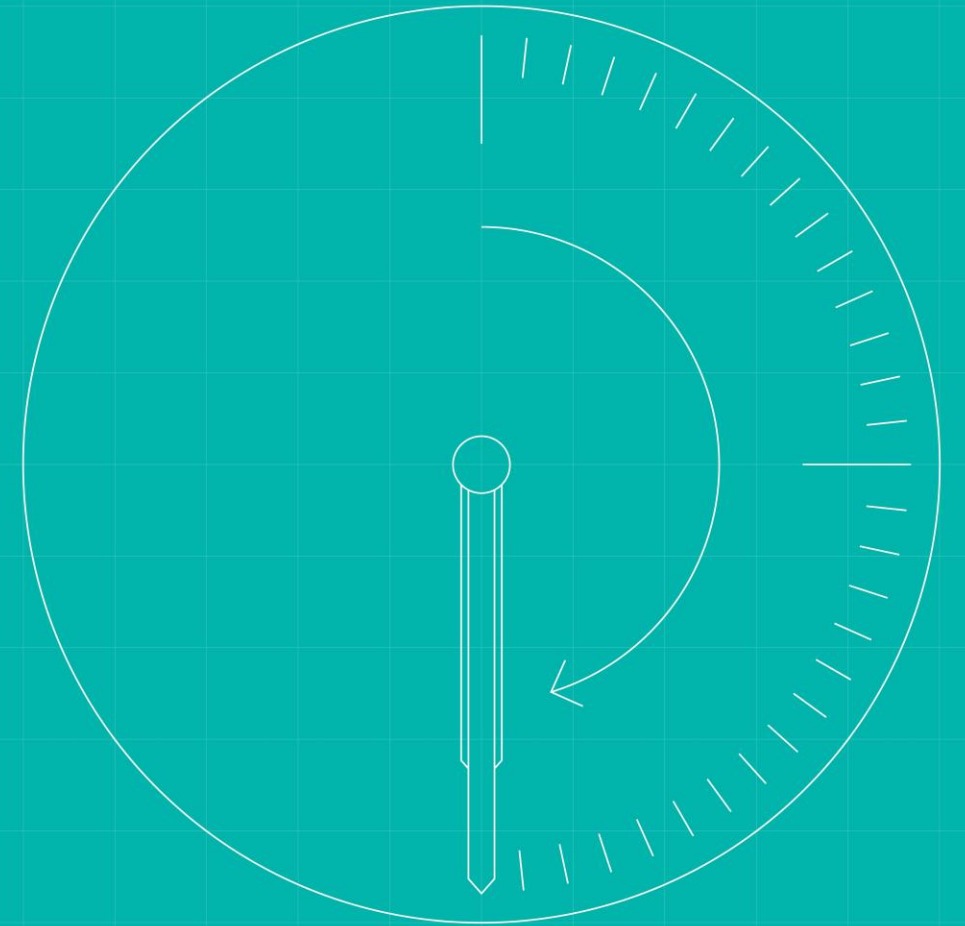
Attachment 2 – CR014 Changes to the baselined LSS Design

# CR014 Impact Assessment Decision

DECISION: CR014: Decision on whether to raise the Change Request to Impact Assessment

*Elexon (Helix) – Matt Hall*

*10 mins*



## Update on CR014 - a Change Request raised by Elexon (Helix)

**A Change Request CR014 was raised to the Programme by DAG's Elexon Representative (as central systems provider) to consider 3 changes to the baselined design to remove elements that are not considered worth the cost, delivery effort and risk to delivery timescales.**

### CR014 overview

#### This change request proposed to:

1. Remove LSS requirement MHHSP-39 LSS calculates Load Shape Rolling Annual Rolling Total as it is without any real benefit and it requires rework of code and interfaces already built
2. Remove the reference to from section A1, A2, A3, AAE1, AAE2 and AAE3 from this sentence in the LSS Method Statement 'Access the 'A' flagged (A, A1, A2, A3, AAE1, AAE2 and AAE3) UTC Period Level Data for the UTC date to be processed' - the change proposes A should be the only flag accepted as Actual
3. Remove the requirement for LSS to be cognisant of in-day changes - this goes against previous designs, and the build we have delivered for LSS and will cause significant additional work for no clear benefit

#### Justification for change:

- As was mandated in the original MHHS Plan, Elexon (Helix) started DBT for the Elexon Central Systems before the designs were baselined
- It was recognised that there would potentially be some rework once designs were baselined
- The removal of the elements outlined above present an opportunity to reduce costs and reduce risk of Elexon (Helix) being on the critical path, without reducing value of the MHHSP business case

### MHHS Change Board outcomes

**An extraordinary Change Board was convened on 24-Jan-23 to validate Change Request CR014**

#### Change Board validated CR014 and agreed on the following:

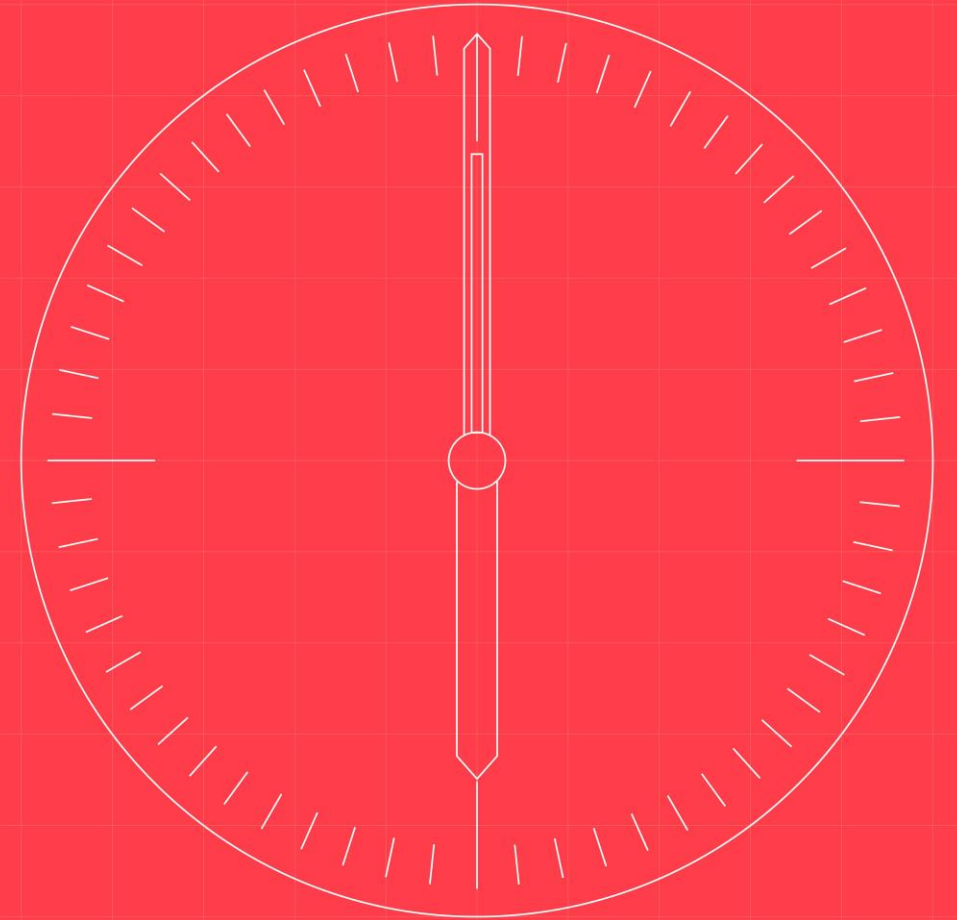
- CR014 is reviewed by DAG in Feb-23 with a decision on raising for full Impact Assessment
- In line with the Programme's Constituency Representation, CR014 should be presented by the elected Elexon Representative (as central systems provider)
- CR014 proposes a change to the baselined design and therefore seeking the views of Programme Participants is required

# DAG Meeting Governance

**INFORMATION:** Provide overview of meeting operation, decision making, and how voting will be managed

*Secretariat*

*20 mins*





DAG's remit and objectives

DAG decision making

Previous decisions

Operation of decision and outcomes



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## DAG Terms of Reference (ToR)

### Role:

*“...approve...the detailed system design...”*

### Objectives / Purpose / Duties:

*“...primary decision-making authority...”*

*“...approve the design artefacts...”*

*“...ensure...perspectives...represented...”*

*“...ensure transparency...”*

*“...reach consensus so...design work progresses...”*

*“...provide the detail necessary...to **commence** system design and build.”*

## 7 Design Advisory Group (DAG) Terms of Reference (Level 3)

The DAG Terms of Reference (“ToR”) sets out the role, membership and mode of operation.

### 7.1 DAG Role

The DAG’s role is to oversee, review, consult and approve, the MHHS Programme development of the end-to-end business processes, system and data architecture that delivers the detailed system design that enables all programme participants to design, build and test their individual system and business changes.

### 7.2 DAG Objectives

- To be the primary decision-making authority for the system and solution design, unless above Ofgem thresholds.
- To oversee the Programme design outputs, review and validate the output contents against design principles, objectives and expectations, send the deliverables for consultation and approve the design artefacts.
- Ensure different programme participant perspectives are appropriately represented during decision making.
- Enable Design transparency for all impacted constituency groups and stakeholders.
- Delegate appropriate tasks and activities to Level 4 Working Groups.
- Receive escalations from lower level workgroups and reach consensus on decisions, so the Programme design work progresses to plan.
- Provide detailed advice to the SRO, PSG and other groups if required.

### 7.4 Purpose and Duties of MHHS Design Advisory Group

DAG’s purpose is to be the mechanism that oversees, reviews and approves end-to-end business processes, system and data architecture deliverables that produce the detailed system designs that enables all programme parties to design, build and test their individual system and business changes.

DAG is responsible for all design decisions and all requests that impact on design.

DAG is responsible for overseeing the development of the physical baseline which will provide the detail necessary for all parties to commence system design and build.



**DAG ToR:**

*“...decisions...by consensus...if consensus cannot be reached...Chair will make an informed decision.”*

*“...design principles should be adhered to...this **does not rule out** instances where DAG may deviate...to deliver the core elements of the design solution.”*

**7.6 Decision-making**

The DAG will make Level 3 decisions and Level 2 decisions when delegated from the PSG. (Level 1 decisions will be escalated to Ofgem by the SRO or IPA).

The DAG can delegate decisions to another Level 3 group or a lower level work group.

The DAG will ensure that any decisions are based on full transparency with programme participants and appropriate consultation. DAG decisions will be by consensus and if consensus cannot be reached the Chair will make an informed decision.

Where parties raise significant concerns with a DAG decision, the concern will be resolved by DAG or escalated to the PSG via a constituency representative.

Consultation will be carried out on an ongoing basis, with the DAG taking decisions based on information developed by Design Working Groups.

Where the DAG is presented with recommendations from Design Working Groups they will have the ability to:

- i) Accept the recommendation – the proposal/recommendations are aligned to the TOM, overall objectives and design principles.
- ii) Reject the recommendation – the proposal/recommendations does not align to the TOM, programme and design principles or requires further work/clarity.
- iii) Refer the recommendation for additional work or analysis.
- iv) Accept the recommendation, subject to additional work being completed.
- v) Refer to the PSG when the recommendation meets the threshold for Ofgem intervention or DAG cannot reach consensus.

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

Decisions and outputs of the DAG will be published within five working days of the meeting.

**Programme Governance Framework**

**3.6 Programme Decision Making**

The proposed governance structure has four levels of decision-making. Decision-making can be delegated from the parent group to the child group below. Responsibilities and accountabilities sit with the SRO, unless a decision meets Ofgem’s threshold criteria<sup>2</sup>. In the case of a decision meeting the threshold, Ofgem will direct the SRO to implement its decision. Below the Ofgem thresholds, the PSG will make Programme decisions through consensus. Where consensus cannot be reached the SRO will make the Programme decision based on the various views of the PSG and taking into account any advice from the IPA. The PSG should delegate decision-making to a Level 3 group when appropriate to do so. Advisory Group decisions will be by consensus and if consensus cannot be reached the Chair will make an informed decision based on the various views of the constituency representatives. The Level 3 groups can delegate decision-making, tasks and actions to a Level 4 group. Where consensus cannot be reached at a group, a decision can be escalated to the group above. Level 4 groups will be more detailed working groups and/or technical sub-groups.



## Previous Design Baseline Decision

- Design Baselined 31 Oct. '22
- Subject to Work-Off Plan 9 Nov. 22

## 'Informed Decision' Factors

- Consensus
- Success criteria
- Supporting evidence (for/against)
- Work-off plan complete
- SI and IPA assurance views
- Implementation plan
- Ofgem timetable
- Costs and resource impacts of not baselining
- Rejection rationales

## Operation of Decision and Outcomes

DAG Members will be asked:

*Do you agree the MHHS design Work-Off Plan is complete and the MHHS Design can be baselined, noting that 2 work off items are closed by the raising of 2 CRs and 1 work-off item is closed by Code Drafting work?*

Each constituency representative will be asked to state 'Yes' or 'No'

If no, member to note consequences of not and confirm their reasons not to baseline justify consequences to industry

For any members who do not support the decision to baseline, clear reasoning and any supporting evidence will be requested and recorded in the meeting minutes

### Voting Scenarios

Unanimous Approval

Majority Approval

Split

Majority Rejection

Unanimous Rejection

### Escalation and Post-Decision:

DAG may escalate decision/outcome to Programme Steering Group (PSG) for SRO decision

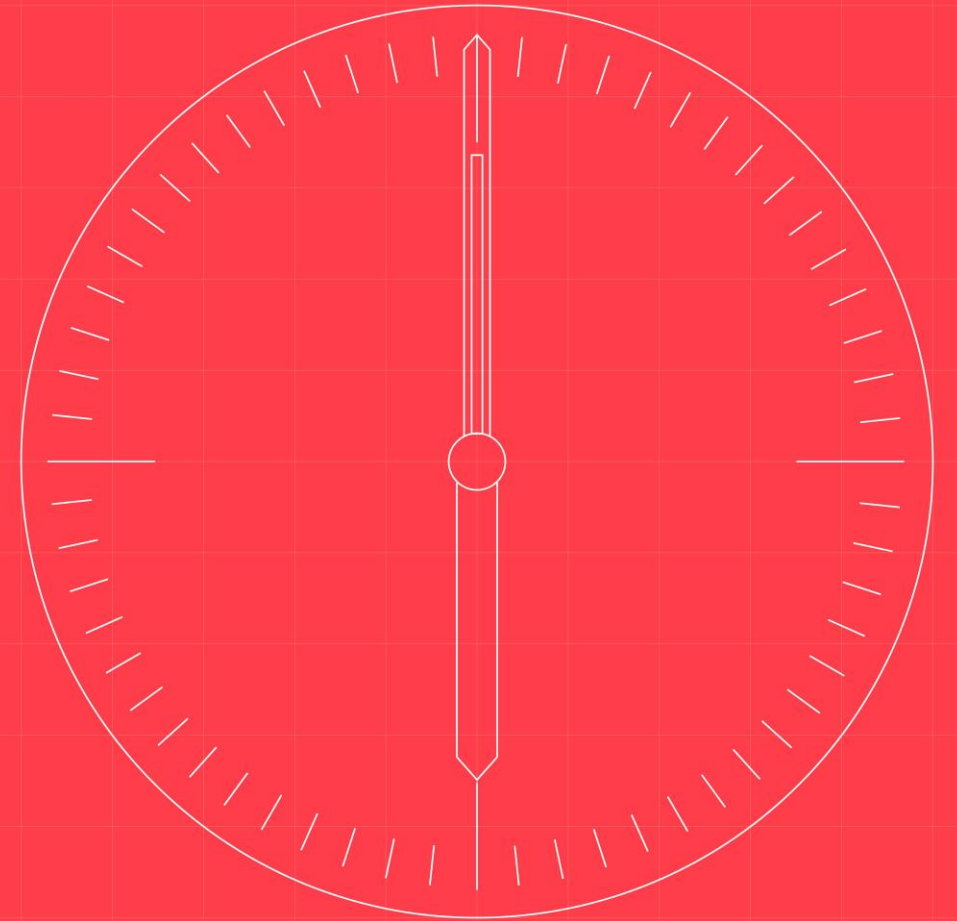
Post-decision, Participants may raise with PSG representative, the Independent Programme Assurance (IPA) provider, or Ofgem.

# Work-Off Plan Completion

INFORMATION: Overview of completion of work-off items

*Programme – Warren Fulton & Claire Silk*

*30 mins*



## MHHS Design Work-Off Summary 1 (as of 25 January 2023)

### Background

The Design Advisory Group (DAG) requested 70 Work-Off items to be addressed in three months as a condition of the M5 Design Baseline decision in October 2022.

### Work-off item status:

The MHHS Design team has addressed all 70 Work-Off items by working with industry via offline reviews and eight consultation meetings (22 hours) which were attended on average by 70+ participants. The determination for which matters were discussed in the working groups was based upon the wider impact across industry. This was agreed with DAG in order to expedite the process to ensure that the Work Off Plan could be completed in the required timescales.

#### Work-Off item status

- Propose Closed- Artefact(s) Updated 47
- Propose Closed- No Change to Baseline Artefacts 11
- Propose Closed- Changes Not Incorporated- Rationale Provided 11
- Propose Closed- Managed as Change Request 2
- Propose Closed- Moved to Code Drafting 2

(Note – The total work-off items increased to 73 because D-034 was split into 4 separate items)

A full breakdown of each work-off item is available in the M5 Work-off Completion report (see attachment to DAG meeting papers)

## MHHS Design Work-Off Summary 2

### Artefact assurance review:

- The Design Artefacts which were updated as a result of the Work-Off items were issued for Participant assurance review on 16/ 19 December 2022, and comments were received by 13 January 2023
- We received 329 comments, with 102 related specifically to items on the Work Off Plan. The remaining 227 comments were not in scope of this review, however, the MHHS Design team reviewed the comments and, where appropriate, reflected minor cosmetic changes in the revised documents or provided clarification responses. The remaining non-Work-Off items will be considered as part of the MHHS Change control process - these do not have a material impact on the Design and will be dealt as clarification/elaboration/minor correction CRs.

### Assurance comment responses

The Work-Off plan related comments were reviewed and addressed as follows:

- Cosmetic Change 52
- Clarification 31
- Rejected 19

The Design Artefacts were updated in accordance with the cosmetic changes, and the clarifications, rationale for rejections and updated Artefacts were re-issued to participants on 23 January 2023, in preparation for the DAG baseline decision.

Rejection Categories:

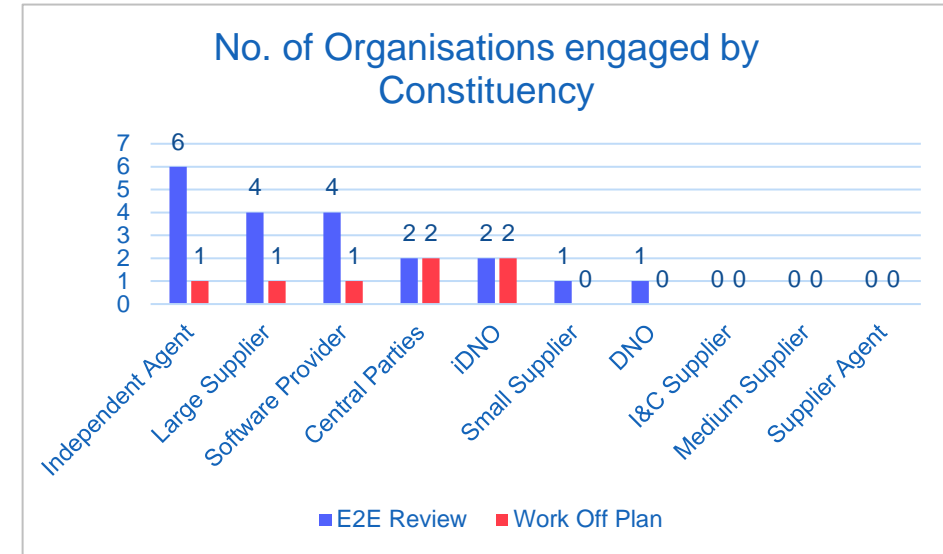
- Change contrary to position agreed by Working Group 3
- Not aligned to agreed Design Principles 6
- Not in scope of MHHS 9
- Low Materiality 1

## MHHS Design Work-Off Summary 3

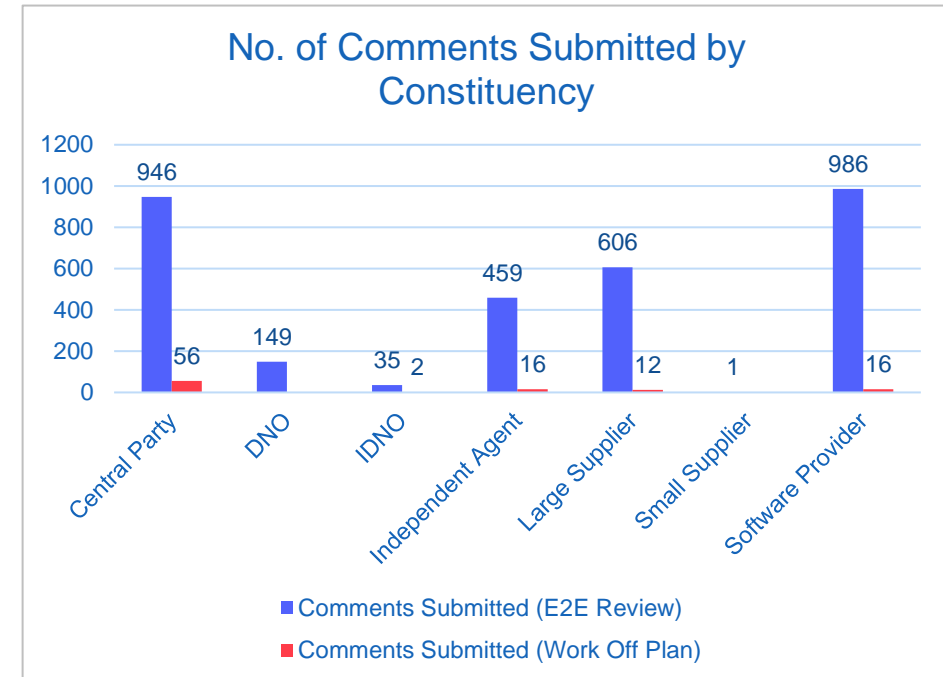
### Engagement stats

- The number of organisations engaged with the Work-Off plan assurance review was considerably less than for the M5 end-to-end design review (20 organisations for the end-to-end review compared to 7 organisations for the Work-Off items) – see chart 1
- The number of Large Supplier, Independent Agent, and Software Provider organisations that submitted comments has reduced compared to the end-to-end review. The number of Central Parties and iDNO's remained consistent, and no Small suppliers or DNO's submitted work-off plan comments – see chart 1
- The number of Work-Off plan comments received is considerably less than the end-to-end review (3182 for end-to-end compared to 102 for Work-Off) particularly for Independent Agents, Software Providers and Large Suppliers which suggests a high level of confidence in the design for organisations that are on more advanced in their delivery journey – see chart 2
- There is also an observation that comments are tending to shift towards code drafting (which do not impact the design artefacts)

### CHART 1



### CHART 2



## MHHS Design Work-Off - Conclusion

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The purpose of the MHHS Design development phase was to develop a design that was robust and stable to enable Participants to start DBT (design, build, test) and to support code drafting.

The Design was baselined at M5 and many Participants have started their DBT activities. Fewer number of participants engaged in the Work-Off plan review and the low volume of comments received indicates a level of comfort that the design works.

With many participants now undertaking their DBT activities it is imperative that the design development phase is concluded and the design moves into the Programme change control process. This is because any further design development work may result in rework for participants. Indeed, the large number of non-Work-Off comments received during this review indicates the risk that any further design change must be governed by the Programme change control governance.

From a MHHS Programme perspective, the stabilising of the Design is on the critical path to realising Consumer benefits, and any proposed delay to re-baselining the Artefacts and concluding the Design development phase must be of a materiality that justifies a delay to consumer benefits and increased industry cost.



## MHHS Design - Recommendation

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The MHHS Programme believes that there is no material reason why the Design Development phase cannot be concluded and the Design, in its entirety, be baselined and entered into change control.

The engagement findings from the Work-Off phase indicates that industry at large are comfortable with the Design as it stands. The only matters which have been escalated to DAG have been 'D-012-E7/E10 differential settlement' and 'D-013-Registration Service Operating Hours', and these are being handled as Change Requests to afford the constituencies a fair, transparent and objective way to present their required changes from the baseline position.

The Programme proposes that the Design development phase is concluded, and any further change, albeit cosmetic or material, be handled by the change control governance.

The Programme would also like to thank all participants, and DAG, for their engagement and support.

## MHHS Design Work-Off Summary updated after Design Assurance meeting (as of 27 January 2023)

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### Work-off item status:

Design Assurance meeting held Friday 27th January. This follows the same process used for the Design Baseline and previous Design Tranches. The purpose of the Design Assurance meeting is to offer participants a final opportunity to query or challenge design positions.

The meeting was well attended, with over 90 attendees, and comments were received in the meeting on 11 of the 70 work-off items. No comments were received for the remaining 80% of work-off items.

An Assurance Report was issued on Monday 30<sup>th</sup> January with the details of the 11 work-off items and suggested next steps.

### Summary of next steps:

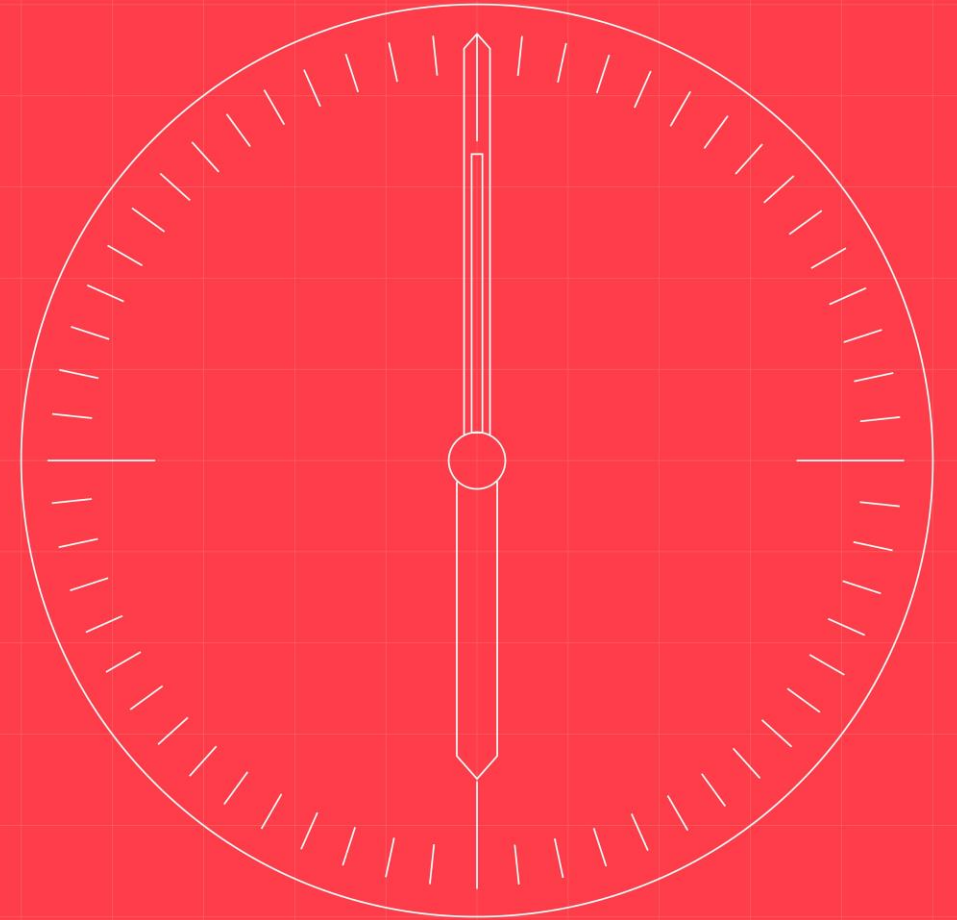
- It was agreed to make changes to Design Artefacts for 4 Work Off items (D-008, 009, 033, and 053) - detail of the changes are reflected in the Release Note (slides 25/26)
- 1 Work Off Item (D-022) requires the DIP detailed design timelines – published today (see PSG slides [PSG Meeting #17](#))
- 2 Work Off items (D-011/050, 034A) required Clarification Statements which were issued on Tuesday 31<sup>st</sup> Jan
- 1 Work Off Item (D-025) is to be progressed by the Code Drafting Workstream
- For 3 Work Off items (D-034B, D-034D and D-045) participants were asked to provide a justification to DAG for decision

# SI Design Assurance View

**INFORMATION:** Provide view from the MHHS SI Design Assurance Team of second line assurance relating to completion of the Work-Off Plan

*Programme – Paul Pettitt*

*10 mins*



## The SI Design Assurance Team continued its assurance role during the conclusion of the Work off Plan.

### Key Headlines:

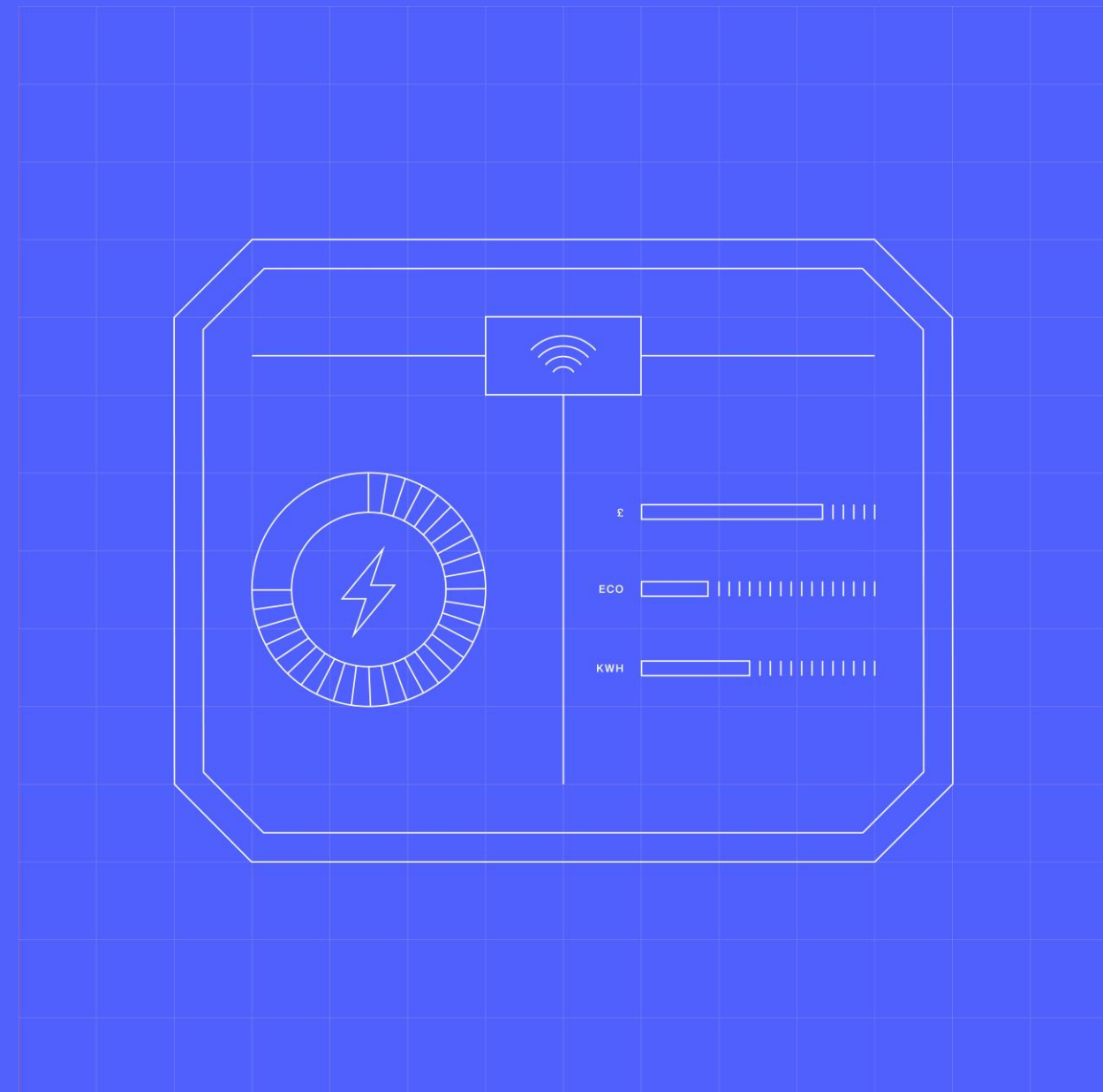
- **The design represented by the MHHS artefacts provides full coverage for the Target Operating Model at an acceptable level of quality and the design can be baselined**
- The focus the assurance was around the process followed in resolving the work off plan items and engagement with industry. The SRO design team engaged with and responded to programme participants throughout the work off plan via BPRWG and TDWG meeting where required
- A number of additional comments were raised by participants that did not directly relating to the work off items. Some cosmetic changes were made with others rejected as being out of scope. This may lead to these items being raised via the design change process
- The assurance findings raised in October 2022 as part of the design baseline have been raised as programme risks. These are reviewed on a regular basis
- Opportunities to improve the quality of the design content still exist and these will be taken forward as part of the design change management procedure and the newly formed Design Authority group, under DAG

# IPA View

**INFORMATION:** Provide view from the Independent Programme Assurance provider of third line assurance relating to completion of the Work-Off Plan

*IPA – Colin Bezant*

*10 mins*

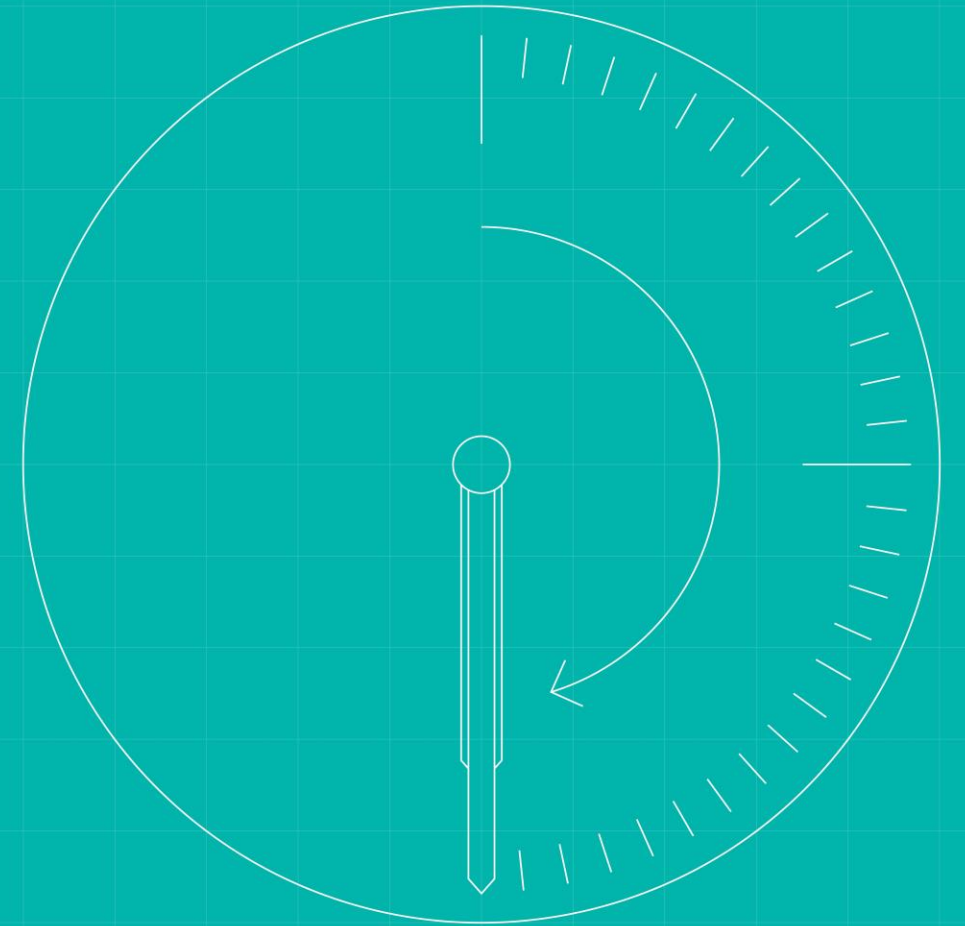


# Work-Off Plan Decision

**INFORMATION:** Decision on completion of the M5 Work-Off Plan and re-baseline of MHHS Design Artefacts

*Programme – Warren Fulton & Claire Silk*

*20 mins*



DAG Members will be asked:

*Do you agree the MHHS design work off plan is complete and the MHHS Design can be baselined, noting that 2 work off items are closed by the raising of 2 CRs and 1 work-off item is closed by Code Drafting work?*

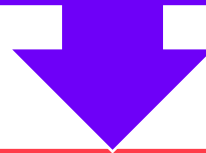
Each constituency representative will be asked to state 'Yes' or 'No'



If no, consequences of not baselining will be highlighted, and member will be asked:

**Do the reasons not to baseline justify the impacts on market participants, Programme plan and consumer benefits?**

Member to provide reasoning and evidence for meeting



The Chair will undertake actions dependent on the voting scenario.

Confirmation of the next steps will be provided.

Information on recourse available to Participants will be provided.



## DAG decision and Next Steps

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### DAG invited to:

- **APPROVE** that work off plan complete, noting that changes are made in accordance with the Release note in slides 24-25 and that 2 work off items are closed by the raising of 2 CRs and 1 work-off item is closed by Code Drafting work
- **APPROVE** the MHHS design is baselined as described by slides 26-28
- **NOTE** the next steps are:
  - DAG was presented Versions 4.6 of the MHHS Design artefacts
  - A definitive list of the MHHS Design artefacts will be published with the DAG minutes (and contained in slides 24-26)
  - Once approved these will be uplifted to Version 5.0
  - MHHS Design artefacts and definitive list will be available on the MHHS Website and Collaboration Base by 8 February 2023
  - Previous versions will be archived
  - Version 5.0 of the MHHS Design artefacts will be uploaded into the Design Models (IServer tool on the Collaboration Base)
- **NOTE** that additional design artefacts will be brought for DAG review and approval from the migration and transition work

## Design Artefacts v5.0 Release Note (1 of 2)

Ref	Description	Artefacts	Source	Assurance Comment
1	EZ Names are still in the ISD Specification - need to be removed	MHHSP-EDI021- ISD Entities	SI Design & RECCo	WOA011
2	ISD Spec has DIP Participant ID set to 12 Char - should be 10 Char	MHHSP-EDI021- ISD Entities	Helix	
3	EES & SDEP Doc has a hyper link to the Glossary on the cover page - this goes to a dead link. Fix or remove	MHHSP-BRS006- EES & SDEP Requirements	SI Design	
4	EES not listed as recipient for PUB-018 and PUB-026, even though those flows are shown on the latest version of BP010.	MHHSP- DES138- Interface Catalogue	ESG Global	
5	Add clarification comments to IF-019 and IF-020	MHHSP- DES138- Interface Catalogue	RECCo	WOA003
6	Check and remove DI-106 (duplicate of DI-849) from Interface catalogue	MHHSP- DES138- Interface Catalogue	RECCo & ESG Global	WOA014
7	Clarify in validation rules and note in BP009 that references should be in calendar days as per an earlier clarification comment. IF-005 (row 73)	MHHSP- DES138- Interface Catalogue	RECCo	WOA019
8	Gren Deal Effective To Date - correct the typo in IF-050 DI-112	MHHSP- DES138- Interface Catalogue	RECCo	WOA020
9	IF-032 and IF-034 to be consistent with BP002 and BP003 (flags)	MHHSP- DES138- Interface Catalogue MHHSP-BP002- Change of Service - Metering Service MHHSP-BP003- Change of Service - Data Service	RECCo	WOA051
10	Remove EZ Name from IF013 - DI158	MHHSP- DES138- Interface Catalogue	Power Data Assoc	
11	Remove EZ Name from IF021 - DI 846	MHHSP- DES138- Interface Catalogue	Power Data Assoc	
12	IF-033 - remove DI109 (EZ Name) and reinstate DI108 (LDSO DIP ID)	MHHSP- DES138- Interface Catalogue	Power Data Assoc	
13	IF-050 - need to redline removal of EZ Names	MHHSP- DES138- Interface Catalogue	Power Data Assoc	
14	Update JSON examples in Interface catalogue	MHHSP- DES138- Interface Catalogue		
15	DI-157 has an incorrect reference to EZ name in the description ( Should say DIP ID ). The note at the bottom refers to EZ name	MHHSP- DES138- Interface Catalogue	MHHS Design	
16	DI-108 incorrectly removed, needs to be added back in ( DIP ID)	MHHSP- DES138- Interface Catalogue- IF-033	MHHS Design	
17	DI-109 needs to be removed ( DIP EZ name )	MHHSP- DES138- Interface Catalogue- IF-033	MHHS Design	
18	DI-846 needs to be removed ( DIP EZ name )	MHHSP- DES138- Interface Catalogue- IF-021	MHHS Design	
19	DI-157 has an incorrect reference to EZ name in the description ( Should say DIP ID )	MHHSP- DES138- Interface Catalogue- IF-013	MHHS Design	
20	DI-158 needs to be removed ( DIP EZ name )	MHHSP- DES138- Interface Catalogue- IF-013	MHHS Design	

## Design Artefacts v5.0 Release Note (2 of 2)

Ref	Description	Artefacts	Source	Assurance Comment
21	IF-041 updated to remove UMISO and UMISO from the to/from	MHHSP- DES138- Interface Catalogue MHHSP- DES138- Interface Catalogue- IF-041	Power Data Associates	WOA-0064
22	IF-027 updated to remove UMISO and UMISO from the to/from	MHHSP- DES138- Interface Catalogue MHHSP- DES138- Interface Catalogue- IF-027	Power Data Associates	WOA-0066
23	BP003 (Steps 282/283) added to show UMISO passing D0388 to UMISO	MHHSP-BP003- Change of Service - Data Service MHHSP-BPD003- Change of Service- Data Service	Power Data Associates	WOA-0052
24	Requirement (MHHS-BR-MS-030.1) added to Metering Service BRS to cover UMISO issuing the D0388 following a confirmed Data Service appointment	MHHSP-BRS002- Metering Services Requirements	Power Data Associates	WOA-0052
25	Update IF-045 to show Metering Service and Data Service as recipients to align with BP011C	MHHSP- DES138- Interface Catalogue MHHSP- DES138- Interface Catalogue- IF-045	CGI	
26	Removed reference to sequencing from MHHS-BR-RS-078 as confirmed not required for R0044 design	MHHSP-BRS003- Registration Service Requirements	SCS	WOA-0083
27	Removed reference to Linked MPANs being subject to existing CSS Switching Rules	MHHSP-BP001- Change of Supplier	British Gas	D-033
28	Requirement (MHHS-BR-MS-010) updated to clarify that only Incumbent Metering Service can apply the flag	MHHSP-BRS002- Metering Services Requirements	RECCo	D-053
29	Requirement (MHHS-BR-DS-031) updated to clarify that only Incumbent Data Service can apply the flag	MHHSP-BRS001- Data Services Requirements	RECCo	D-053
30	Requirement (MHHS-BR-SU-021.1) added to clarify that where different Data Service Providers are required to meet Complex site arrangements then the same Company must provide both the ADS and SDS service for all the MPANs	MHHSP-BRS004- Supplier Requirements Overview	Elexon	D-008
31	IF-045 name in IF_List updated to Registration Service Reminder Notification to align with Interface Name in 02_IF-045	MHHSP- DES138- Interface Catalogue	CGI	
32	Additional Information (DI-120) data item updated to String-2000 in the Data Catalogue to align with all references to this data item in the individual interfaces	MHHSP- DES138- Interface Catalogue- Data Catalogue	St Clements Services	
33	Updated BP010B Energy Direction updates to show Registration Service being updated by the LDSO using DB002	MHHSP-BP010- Change of Registration Data MHHSP-BPD010- Change of Registration Data	St Clements Services	
34	Supplier MPID added to IF-001	MHHSP- DES138- Interface Catalogue- IF-001	Elexon	D-034B
35	Method 0 removed from section 9 of UMISO Method Statement	MHHSP-METH004- UMISO EM Functions	Power Data Associates	

## Full list of Design Artefacts included in M5 Baseline (1 of 3)

Document Type	Reference	Name / Description	Current Version No.	Changes included in Release Note	Baseline Version No.
Business Process Diagram	MHHSP-BP001	Change of Supplier	v4.6	Yes	v5.0
Business Process Diagram	MHHSP-BP002	Change of Service - Metering Service	v4.6	Yes	v5.0
Business Process Diagram	MHHSP-BP003	Change of Service - Data Service	v4.6	Yes	v5.0
Business Process Diagram	MHHSP-BP003A	CSS and DCC Update	v4.6		v5.0
Business Process Diagram	MHHSP-BP003B	Change of Existing Service Appointment Details	v4.6		v5.0
Business Process Diagram	MHHSP-BP003C	Transfer of Reads - Change of Data Service	v4.6		v5.0
Business Process Diagram	MHHSP-BP004	Data Collection	v4.6		v5.0
Business Process Diagram	MHHSP-BP005	Data Processing	v4.6		v5.0
Business Process Diagram	MHHSP-BP007	Disconnection	v4.6		v5.0
Business Process Diagram	MHHSP-BP008	Change of Energisation Status	v4.6		v5.0
Business Process Diagram	MHHSP-BP009	Change of Meter	v4.6		v5.0
Business Process Diagram	MHHSP-BP010	Change of Registration Data	v4.6	Yes	v5.0
Business Process Diagram	MHHSP-BP011	Change of Market Segment and/or Connection Type	v4.6		v5.0
Business Process Diagram	MHHSP-BP013	Demand Disconnection Events	v4.6		v5.0
Business Process Diagram	MHHSP-BP016	Consumption Amendment	v4.6		v5.0
Business Process Diagram	MHHSP-BP018	Load Shaping Service (ECS)	v4.6		v5.0
Business Process Diagram	MHHSP-BP019	Market-wide Data Service (ECS)	v4.6		v5.0
Business Process Diagram	MHHSP-BP020	Volume Allocation Service (ECS)	v4.6		v5.0
Business Process Diagram	MHHSP-BP021	Industry Standing Data (ECS)	v4.6		v5.0
Business Process Description	MHHSP-BPD001	Change of Supplier	v4.6		v5.0
Business Process Description	MHHSP-BPD002	Change of Service- Metering Service	v4.6		v5.0
Business Process Description	MHHSP-BPD003	Change of Service- Data Service	v4.6	Yes	v5.0
Business Process Description	MHHSP-BPD003A	CSS and DCC updates	v4.6		v5.0
Business Process Description	MHHSP-BPD003B	Change of Existing Service Appointment Details	v4.6		v5.0
Business Process Description	MHHSP-BPD003C	Transfer of read	v4.6		v5.0
Business Process Description	MHHSP-BPD004	Data Collection	v4.6		v5.0
Business Process Description	MHHSP-BPD005	Data Processing	v4.6		v5.0
Business Process Description	MHHSP-BPD007	Disconnection	v4.6		v5.0
Business Process Description	MHHSP-BPD008	Change of Energisation Status	v4.6		v5.0
Business Process Description	MHHSP-BPD009	Change of Meter	v4.6		v5.0
Business Process Description	MHHSP-BPD010	Change of Registration Data	v4.6	Yes	v5.0
Business Process Description	MHHSP-BPD011	Change of Market Segment and/or Connection Type	v4.6		v5.0
Business Process Description	MHHSP-BPD013	Demand Disconnection Events	v4.6		v5.0
Business Process Description	MHHSP-BPD016	Consumption Amendment	v4.6		v5.0
Business Process Description	MHHSP-BPD018	Load Shaping Service (ECS)	v4.6		v5.0
Business Process Description	MHHSP-BPD019	Market-wide Data Service (ECS)	v4.6		v5.0
Business Process Description	MHHSP-BPD020	Volume Allocation Service (ECS)	v4.6		v5.0
Business Process Description	MHHSP-BPD021	Industry Standing Data (ECS)	v4.6		v5.0

## Full list of Design Artefacts included in M5 Baseline (2 of 3)

Document Type	Reference	Name / Description	Current Version No.	Changes included in Release Note	Baseline Version No.
Business Requirements	MHHSP-BRS013	Demand Disconnection Events Requirements (ECS)	v4.6		v5.0
Business Requirements	MHHSP-BRS001	Data Services Requirements	v4.5	Yes	v5.0
Business Requirements	MHHSP-BRS002	Metering Services Requirements	v4.5	Yes	v5.0
Business Requirements	MHHSP-BRS003	Registration Service Requirements	v4.6	Yes	v5.0
Business Requirements	MHHSP-BRS004	Supplier Requirements Overview	v4.6	Yes	v5.0
Business Requirements	MHHSP-BRS005	LDSO Requirements Overview	v4.6		v5.0
Business Requirements	MHHSP-BRS006	EES & SDEP Requirements	v4.5	Yes	v5.0
Business Requirements	MHHSP-BRS007	Load Shaping Service Requirements (ECS)	v4.6		v5.0
Business Requirements	MHHSP-BRS008	Market-wide Data Service Requirements (ECS)	v4.6		v5.0
Business Requirements	MHHSP-BRS009	Volume Allocation Service Requirements (ECS)	v4.6		v5.0
Business Requirements	MHHSP-BRS010	Industry Standing Data Requirements (ECS)	v4.6		v5.0
Business Requirements	MHHSP-BRS012	Annual Consumption Requirements	v4.6		v5.0
Business Requirements	MHHSP-BRS014	ECS Registration Data Archive Requirements	v4.0		v5.0
Method Statement	MHHSP-METH001	SDS Validation & Estimation	v4.6		v5.0
Method Statement	MHHSP-METH002	ADS - Validation & Estimation	v4.0		v5.0
Method Statement	MHHSP-METH004	UMSDS- EM Functions	v4.6	Yes	v5.0
Method Statement	MHHSP-METH005	LSS Method Statement	v4.6		v5.0
Method Statement	MHHSP-METH006	VAS Method Statement	v4.6		v5.0
Method Statement	MHHSP-METH007	MDS Method Statement	v4.6		v5.0
Method Statement	MHHSP-METH008	DDE Method Statement	v4.6		v5.0
Method Statement	MHHSP-METH009	UMSO Method Statement	v4.6		v5.0
Method Statement	MHHSP-METH010	Annual Consumption	v4.6		v5.0

## Full list of Design Artefacts included in M5 Baseline (3 of 3)

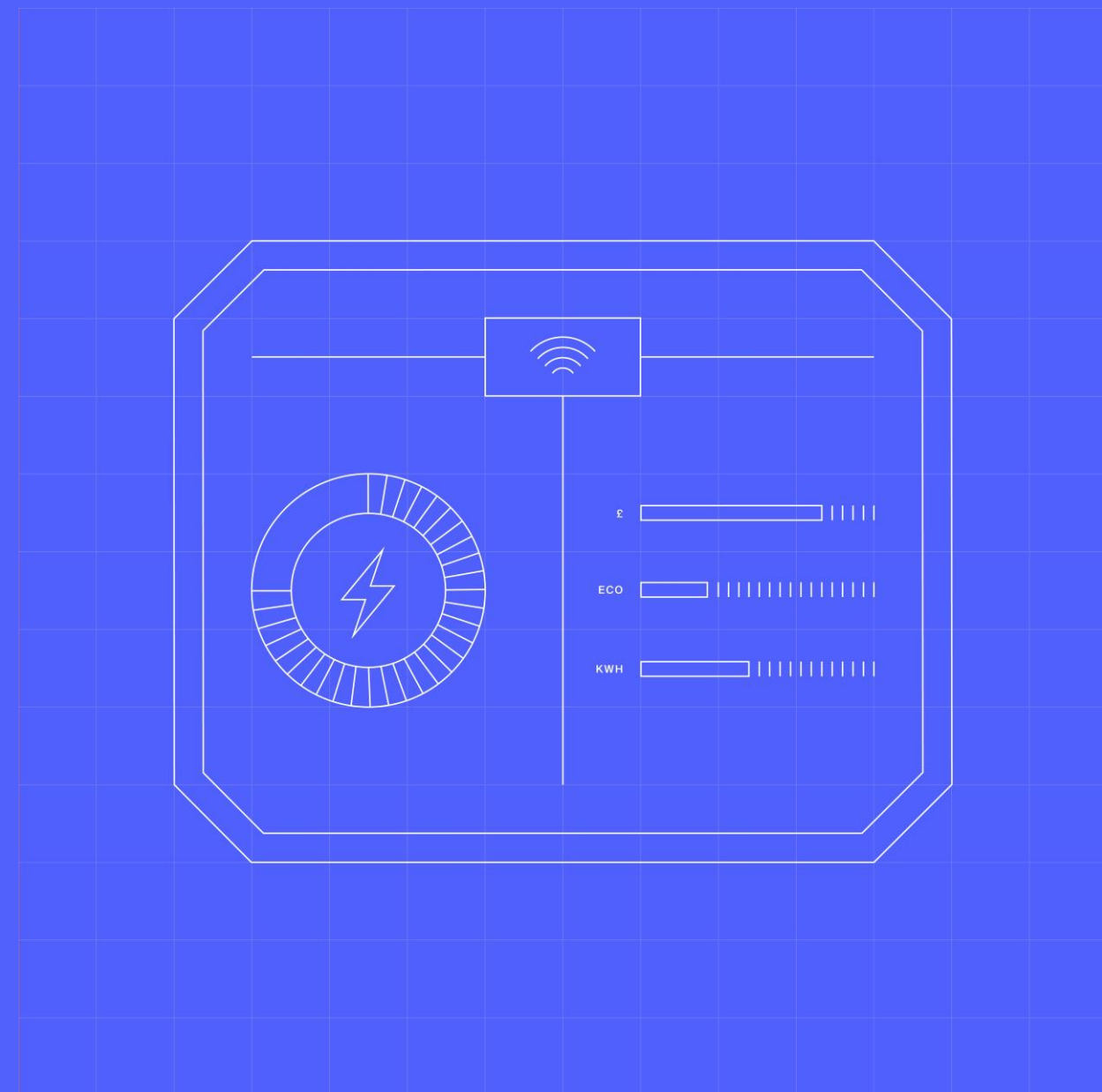
Document Type	Reference	Name / Description	Current Version No.	Changes included in Release Note	Baseline Version No.
Reporting Catalogue	MHHSP-ERI011A	ECS Reports- Internal	v4.6		v5.0
Reporting Catalogue	MHHSP-ERI011B	ECS Reports- External	v4.6		v5.0
Data Item Definitions	MHHSP-EDI021	ISD Entities	v4.6	Yes	v5.0
Entity Map	MHHSP-EM021	ISD Entity Map	v4.6		v5.0
Interface Catalogue	MHHSP- DES138	Interface Catalogue	v4.6	Yes	v5.0
Operational Choreography	MHHSP-OPC001	Operational Choreography	v4.5		v5.0
Technical Artefact	MHHS-E2E003	Physical Interface Specifications	v0.4	Yes	v0.5
Technical Artefact	MHHS-E2E002	End to End Non Functional Requirements	v2.2	Yes	v2.3
Technical Artefact	MHHS-E2E001	End to End Solution Architecture	v2.3	Yes	v2.4
Logical Data Model	MHHSP-DES052	Logical Data Model	v4.6		v5.0

# Summary and next steps

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

*Chair & Secretariat*

*10 mins*





## Design Baseline Next Steps

### Next steps:

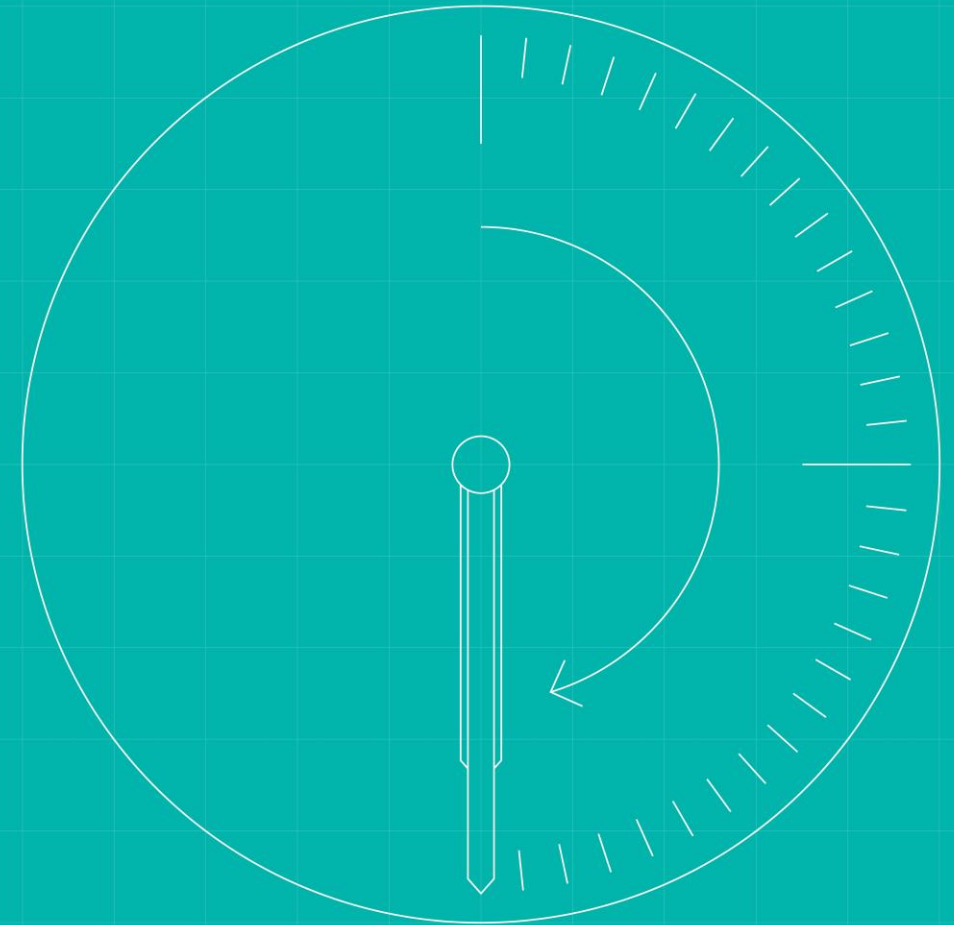
- Confirm actions and decisions from meeting
- Next DAG meeting: **08 February 2023 10am**
- Next CCIAG meeting: **23 February 2023 10am**

### DAG agenda roadmap:

Meeting dates	08-Feb	08-Mar	05-Apr
Relevant milestones or activities	Design baseline management	Design baseline management	Design baseline management
Agenda items	<ul style="list-style-type: none"> <li>• Design changes for approval</li> <li>• DAG ToR review</li> <li>• Migration design updates</li> </ul>	<ul style="list-style-type: none"> <li>• Design changes for approval</li> <li>• Migration design updates</li> </ul>	<ul style="list-style-type: none"> <li>• Design changes for approval</li> </ul>
Standing items	<ul style="list-style-type: none"> <li>• Minutes and actions</li> <li>• Programme updates</li> <li>• CCIAG updates</li> <li>• Summary and next steps</li> </ul>	<ul style="list-style-type: none"> <li>• Minutes and actions</li> <li>• Programme updates</li> <li>• CCIAG updates</li> <li>• Summary and next steps</li> </ul>	<ul style="list-style-type: none"> <li>• Minutes and actions</li> <li>• Programme updates</li> <li>• CCIAG updates</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





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

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# M5 Work-Off Plan- Assurance Meeting

## 27 January 2023

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Version 1.0

MHHS-DES223

Document Classification: Public

## MHHS Design – M5 Work-Off Plan- Assurance Meeting- Next Steps

Work Off Item	Participant Views	MHHS Programme View	Next Steps
<p>D-013- Registration Service Operating Hours</p>	<p>Catherine Duggan- Electricity North West (DNO Constituency) challenged that the Work-Off Plan is complete with regard to item D-013 stating that the draft CR provided by the programme is not fit for purpose and does not accurately reflect the situation.</p> <p>LDSO constituency are drafting an alternative CR requesting that the Operational Choreography design artefact be updated to clarify the requirements and align with the REC stating that the LDSO are only required to send DIP messages within 60 minutes of receipt as per current ERDS operating hours.</p> <p>Alternative approach option is also included for the Programme to conduct a full cost benefit impact assessment and present to PSG for decision in March.</p> <p>LDSO constituency believe that the only baselined document is the TOM and that changes to operating hours are not baselined within the TOM as confirmed by Rachel Clarke (Ofgem), therefore it is not appropriate for the Programme to dictate operating hours.</p> <p>CR to be re-named to Registration DIP Messaging Processing Times and submitted on Tuesday 31<sup>st</sup> January.</p>	<p>DAG Decision- Work-off item D-013 (Registration Service Operating Hours) can be removed from the M5 Work-Off Plan, subject to the submission of a Programme Change Request and issuance for impact assessment</p> <p>Initial Change Request drafted by Programme and provided to the LDSO Constituency for review.</p> <p>Awaiting formal submission by LDSO Constituency.</p>	<p><b>ACTION:</b> LDSO constituency to formally submit CR and circulate to DAG for review ahead of meeting on Wednesday 1<sup>st</sup> February</p> <p>DAG decision required to approve closure of Work Off item on the basis that the CR has been drafted by the programme and is currently being progressed through formal change control process by the LDSO Constituency.</p>

## MHHS Design – M5 Work-Off Plan- Assurance Meeting- Next Steps

Work Off Item	Participant Views	MHHS Programme View	Next Steps
D-012- E7/E10 Differential Settlement	No issues raised in Assurance meeting	<p>DAG Decision- Work-off item D-012 (E7/E10 Differential Settlement) can be removed from the M5 Work-Off Plan, subject to the submission of a Programme Change Request and issuance for impact assessment</p> <p>CR- 015 has been submitted by the Large Supplier constituency.</p>	<p>DAG decision required to approve closure of Work Off item on the basis that the CR is being progressed through the formal Programme Change Control process.</p>
D-025- Definition of changes to DTN Messages	No issues raised in Assurance meeting	<p>Responsibility for definition of DTN changes agreed.</p> <p>Code Drafting workstream to take responsibility for remaining activity. To be progressed in next tranche and completed by end Feb.</p>	<p>DAG to confirm acceptance of caveat and closure of Work Off item</p> <p>No changes required to baseline Design Artefact(s)</p>
D-034a- DTN Role Code	No issues raised in Assurance meeting	<p>Agreed separate role codes are required for each service.</p> <p>Confirmation received from Electralink that there are sufficient codes available.</p> <p>Analysis in progress to assign codes.</p>	<p>Assigned Role Codes to be published no later than Tuesday 31 Jan.</p> <p>DAG to approve closure of Work Off item</p> <p>No changes required to baselined Design Artefact(s)</p>

## MHHS Design – M5 Work-Off Plan- Assurance Meeting- Next Steps

Work Off Item	Participant Views	MHHS Programme View	Next Steps
<p>D-011- LLF Data Definition</p> <p>D-050- Minor Corrections- Interfaces</p>	<p>Jonny Moore- Elexon (Central Party) noted that the Clarification Statement relating to D-011 had not been issued on 17 Jan as stated and challenged that there are still questions outstanding relating to the SAD document</p> <p>Tom Chevalier- Power Data Associates (Independent Agent Constituency) challenged the process noting the lack of wider discussion with all industry parties.</p>	<p>The Programme held discussions with directly impacted parties (BUUK and Elexon) to address specific comments raised and assess the impacts of the proposed position on core systems and processes.</p> <p>As the proposed position has not changed significantly from the high level assumptions discussed with the Working Group and does not fundamentally change the design it was determined that wider engagement was not required prior to issue of the Clarification Statement for review.</p>	<p>Clarification Statement to be published no later than Tuesday 31<sup>st</sup> Jan</p> <p>DAG to confirm acceptance of Clarification Statement</p> <p>No change required to baselined Design Artefacts</p>
<p>D-008- Complex Site Arrangements</p>	<p>Jonny Moore- Elexon (Central Party) highlighted a potential gap in the design that had not previously been raised with the Working Group concerning the fact that there are no requirements for the Smart Data Service to pass data from DCC to the Advanced Data Service in the case of mixed Smart and Advanced complex site arrangements.</p> <p>Neil Dewar- National Grid ESO (Central Party) noted that there is a potential impact on P441 which will need to be understood and may lead to a future CR.</p>	<p>The Programme propose to include a requirement stating that where the complex site arrangement is cross segment the SDS and ADS roles must be performed by the same organization.</p> <p>It is not believed that this proposal introduces any new constraints on the industry as there is already a precedent set under the current arrangements regarding HH and NHH, as defined in BSCP502.</p>	<p>DAG to confirm acceptance of proposal to add new requirement.</p> <p>Change to be incorporated into MHHSP-BRS004- Supplier Requirements Overview and included in Release Notes for v5.0</p>

## MHHS Design – M5 Work-Off Plan- Assurance Meeting- Next Steps

Work Off Item	Participant Views	MHHS Programme View	Next Steps
D-009- Rejection of MDR Notification to DCC	<p>Daniel Tadecicco- St Clements (Software Provider-Registration Service) challenged the Programme response to comment WOA-0083 regarding R044 design and requested that the specific requirement be removed.</p> <p>Jonathan Hawkins- RECCo (Central Party) confirmed that they were comfortable with the update to the Registration Service requirements as requested by St Clements</p> <p>Daniel Tadecicco- St Clements (Software Provider-Registration Service) also challenged Programme response to comment WOA-0095 and confirmed that St Clements would raise this as a Design Clarification through the Change Control process</p>	WOA-0083- The Programme agree to re-word the requirement to remove the element relating to sequencing.	<p>DAG to confirm acceptance of proposal to update requirement</p> <p>Change to be incorporated into MHHSP-BRS003- Registration Service Requirements and included in Release Notes for v5.0.</p> <p><b>ACTION:</b> St Clements to raise Design Clarification for WOA-0095</p>
D-022- RMP/MPAN Status	Daniel Tadeccico- St Clements (Software Provider-Registration Service) noted that the response to comments referred to DIP Detailed Design and asked for timescales to be confirmed	Programme confirming the high level plan for DIP Detailed Design	<p>High level timeline for DIP Detailed Design to be issued no later than Tuesday 31<sup>st</sup> January</p> <p>DAG to approve closure of Work Off Item</p> <p>No changes required to baseline Design Artefact(s)</p>

## MHHS Design – M5 Work-Off Plan- Assurance Meeting- Next Steps

Work Off Item	Participant Views	MHHS Programme View	Next Steps
<p>D-033- MPAN Linkage (Related &amp; Import/Export)</p>	<p>Chris Butterfield- Ovo (Large Supplier Constituency) raised a concern that the Import/Export linkage process has not been defined which is a risk to the design.</p> <p>Jonny Moore- Elexon (Central Party) noted that the BPM indicates that a Data Service can be split which is not the case in todays world and as such would need to be made explicit.</p> <p>Mark Agnew- British Gas (Large Supplier Constituency) noted that CSS don't do anything with linked MPAN's today and asked for further clarification.</p> <p>Sarah Jones- RECCo (Central Party) requested that a statement be added to provide further clarity.</p>	<p>The note in the BPM indicating that a Smart Data Service can be split is correct. The intention is to split the requirement for Smart meters in the code drafting for Section J to remove the current restraint.</p> <p>The design does not seek to change the current industry processes around the creation of relationships for linked import/export. The reference to CSS treating import/export switches contained in MHHSP-BP001- Change of Supplier is misleading and will be removed.</p> <p>Further clarification to be included in the Interface Notes to reflect that where there are multiple Related Import MPANs, the Export MPAN will only be linked with the Primary MPAN in the relationship</p>	<p>DAG to confirm acceptance of proposed changes.</p> <p>Changes to be incorporated into MHHSP-BP001- Change of Supplier and MHHSP-DES138- Interface Catalogue and included in Release Notes for v5.0</p>



## MHHS Design – M5 Work-Off Plan- Assurance Meeting- Next Steps

Work Off Item	Participant Views	MHHS Programme View	Next Steps
D-034B- MPID	<p>Jonny Moore-Elexon (Central Party) challenged the Programme rejection of the requested change to include MPID in the message body of flows on the basis of technical design impacts.</p> <p>Whilst noting that Elexon believe that including the MPID in the message body of all flows is the right thing to do, an alternative proposal was suggested to include the Supplier ID in IF001 only in order to mitigate the Settlement risk around consumption being allocated to the incorrect BMU, or not allocated at all.</p> <p>Sarah Jones- RECCo (Central Party) expressed support for the view stated by Elexon</p>	<p>The Programme stand by the rejection rationale believing that the introduction of the MPID into the DIP landscape is not optimal design and will lead to technical debt in the future.</p> <p>The Programme will concede to the inclusion of the Supplier Id in IF001 if agreed by DAG.</p>	<p><b>ACTION:</b> Elexon to quantify the risk to Settlement associated with alternative proposal to include the Supplier Id in IF001 and raise with DAG Constituency Representative.</p> <p>DAG decision required as to whether change should be incorporated</p>
D-045- Unmetered Connection Type	<p>Tom Chevalier- Power Data Associates (Independent Agent Constituency) challenged the Programme response to Assurance comments not to remove the Metered Indicator on the basis that there is a risk around conflicting information. Noted that this risk is not easily quantified.</p>	<p>The Programme stand by the rejection rationale on the basis that the Metered Indicator is used by CSS in other processes and, as such, to remove from interfaces would require wider impact assessment.</p>	<p><b>ACTION:</b> Power Data Associates to quantify the risk and provide justification to DAG Constituency Representative.</p> <p>DAG decision required as to whether change should be incorporated</p>

## MHHS Design – M5 Work-Off Plan- Assurance Meeting- Next Steps

Work Off Item	Participant Views	MHHS Programme View	Next Steps
D-034D- Redundant Data Items in Unmetered Segment	<p>Tom Chevalier- Power Data Associates (Independent Agent Constituency) challenged Programme rejection of Assurance comments on the basis that the topic of redundant data items has not been fully addressed and debated within the Working Groups.</p> <p>Noted that it is unknown whether this is a core problem or related to edge cases.</p>	<p>The Programme stand by the rejection rationale as to remove data items would lead to an inconsistency across interfaces and would require wider impact assessment outside of the core MHHS design.</p> <p>This is not a priority activity within the Design phase and should be considered post Migration.</p>	<p><b>ACTION:</b> Power Data Associates to quantify the risk and provide justification to DAG Constituency Representative.</p> <p>DAG decision required as to whether change should be incorporated</p>
D-053- Minor Corrections- Interfaces	<p>Sarah Jones- RECCo (Central Party) raised a concern that upon review of the Interface Catalogue the note relating to the setting of the Customer Direct Flag did not reflect the position agreed in the Dissensus Forum and noted that this will cause an issue in Code Drafting</p>	<p>This issue was not raised by any parties as part of the Assurance comments.</p> <p>Red-lined changes were included in v4.5 which removed the note stating that the flag could be set by anyone.</p> <p>Changes to be incorporated to state that the flag can only be set by the incumbent.</p>	<p>DAG to confirm acceptance of proposal to incorporate change.</p> <p>Change to be incorporated into MHHSP-BRS002- Metering Services and MHHSP- BRS001- Data Services and included in Release Notes for v5.0</p>