

Design Advisory Group #21.1 16 February 2023

Version 2.0

MHHS-DEL1005

Agenda

#	Item	Objective	Туре	Lead	Time	Page
1	Welcome			Chair	10:00-10:05 5 mins	1
2	Work-Off Plan Completion	Review of completion of work-off items and consultation responses to M5 Work-Off Plan – Final DAG Report	Discussion	Programme (Warren Fulton & Claire Silk)	10:05-10:35 30 mins	3
3	Work-Off Plan Decision	Decision on completion of the M5 Work-Off Plan and re-baseline of MHHS Design Artefacts	Decision	Chair & Secretariat	10:35-11:05 20 mins	9
4	Programme Change Requests	Presentation of new Programme Change Request 18 (Registration Service Operating Hours)	Discussion	Programme (Ian Smith & Fraser Mathieson)	11:05-11:20 15 mins	12
5	Summary and next steps	Summarise key discussions, actions, and next steps	Information	Chair & Secretariat	11:20-11:30 10 mins	14
	Appendices/Attachments Appendix 1 – M5 Work Off Pla Attachment 1 – CR018 Registr	n Consultation Responses ration Service Operating Hours v1.1				

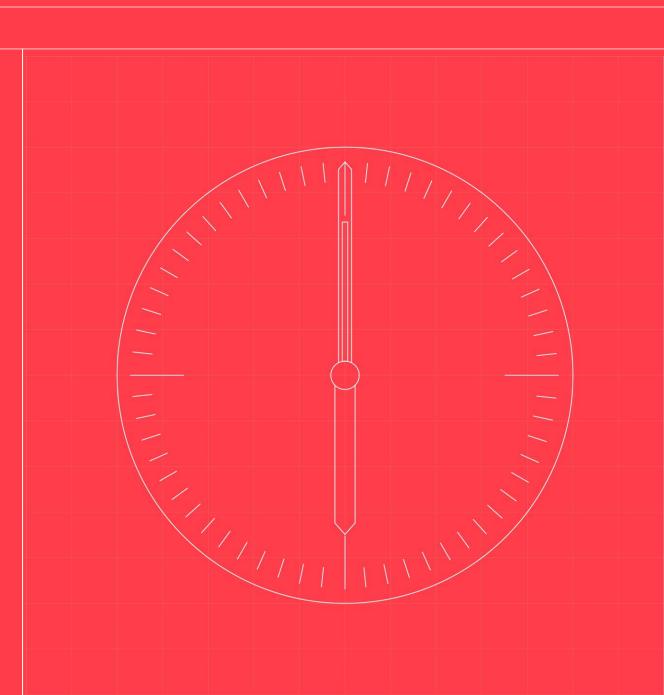


Work-Off Plan Completion

DISCUSSION: Review of completion of work-off items and consultation responses to M5 Work-Off Plan – Final DAG Report

Programme (Warren Fulton & Claire Silk)





M5 Work Off Plan- Constituency Responses

	Large		Medium	Small			Independent	Supplier				National Grid
Approval to close Work Off Item	Supplier	I&C Supplier	Supplier	Supplier	DNO	iDNO	Agent	Agent	Elexon	RECCo	Smart DCC	ESO
D-008-Complex Site Arrangements	Conditional	No Response	No Response	No Response	Accepted	No Response	No Response	No Response	No Response	Accepted	No Response	No Response
D-033-MPAN Linkage (Related & Import/Export)	Conditional	No Response	No Response	No Response	Accepted	No Response	No Response	No Response	No Response	Accepted	No Response	No Response
D-025-Definition of changes to DTN messages	Conditional	No Response	No Response	No Response	Accepted	No Response	No Response	No Response	No Response	Accepted	No Response	No Response
D-053-Minor Corrections- Interfaces	Accepted	No Response	No Response	No Response	Conditional	No Response	No Response	No Response	No Response	Conditional	No Response	No Response
D-009-Rejection of MDR Notification to DCC	Accepted	No Response	No Response	No Response	Accepted	No Response	No Response	No Response	No Response	Accepted	No Response	No Response
D-022-RMP / MPAN Status	Accepted	No Response	No Response	No Response	Accepted	No Response	No Response	No Response	No Response	Accepted	No Response	No Response
D-011-LLF data definition	Accepted	No Response	No Response	No Response	Accepted	No Response	No Response	No Response	No Response	Accepted	No Response	No Response
D-050-Minor Corrections- Interfaces	Accepted	No Response	No Response	No Response	Accepted	No Response	No Response	No Response	No Response	Accepted	No Response	No Response
D-034B- MPID	Accepted	No Response	No Response	No Response	Accepted	No Response	No Response	No Response	No Response	Accepted	No Response	No Response
D-034D-Redundant data items in Unmetered Segment	Accepted	No Response	No Response	No Response	Accepted	No Response	No Response	No Response	No Response	Accepted	No Response	No Response
D-045-Unmetered Connection Type	Accepted	No Response	No Response	No Response	Accepted	No Response	No Response	No Response	No Response	Accepted	No Response	No Response

- DAG Constituency Representatives were asked to consult with their constituents and respond in writing by the end of Tuesday 14 February to confirm whether the
 conditions for the 11 remaining Work Off items had been met and, as such, confirm whether the Work Off Plan can be closed and the Design Artefacts rebaselined.
- 3 responses were received from DAG Constituency Representatives by the deadline, all expressing views to approve the closure of the remaining Work Off items and re-baseline the Design Artefacts on the basis that the conditions are met. (see appendix for responses).
- No response from the remaining DAG Constituency Representatives is taken as 'no concerns' and as such approval to close the remaining Work Off items and rebaseline the Design Artefacts.



M5 Work Off Plan- Summary

Work Off Item	Summary
D-008-Complex Site Arrangements	 Commentary received from Large Supplier constituency only— Conditionally accepted Further activity to be progressed through Design Authority- Action on Elexon & Large Supplier Representatives to raise Design Issue Notifications- to be monitored through DAG RECOMMEND CLOSED
D-009-Rejection of MDR Notification to DCC	 Changes reflected in v4.7 – No comments received CLOSED
D-011-LLF data definition	 Dependency (D143) raised against Transition activity to track development of the CSAD form and BSCP128 processes to ensure fitness for purpose across the transition period and into steady state- No comments received CLOSED
D-022-RMP / MPAN Status	 Condition to provide plan for DIP Detailed Design met- No comments received CLOSED
D-025-Definition of changes to DTN messages	 Commentary received from Large Supplier constituency only- Conditionally accepted Summary of proposed changes to DTN flows to be published by end of February- to be monitored through DAG RECOMMEND CLOSED
D-033-MPAN Linkage (Related & Import/Export)	 Commentary received from Large Supplier constituency only- Conditionally accepted Action on MHHS Design Team to provide Guidance Document by end of February- to be monitored through DAG RECOMMEND CLOSED
D-034B- MPID	 Changes reflected in v4.7- No comments received CLOSED
D-034D-Redundant data items in Unmetered Segment	 Changes included on the Design Issue Notification Log (DIN-93) to be progressed through Design Authority for visibility only (pre-approved by DAG)-DA Papers to be published 16 Feb- Confirmation received from directly impacted participant RECOMMEND CLOSED
D-045- Unmetered Connection Type	 DAG decision (08/02) not to progress Work Off item- No comments received CLOSED
D-050-Minor Corrections- Interfaces	 Linked to D-011- No comments received CLOSED
D-053-Minor Corrections- Interfaces	 Commentary received from RECCo and DNO Representatives- Conditionally accepted Changes included on the Design Issue Notification Log (DIN-92) to be progressed through Design Authority for visibility only (pre-approved by DAG)-DA Papers to be published 16 Feb RECOMMEND CLOSED



M5 Work Off Plan- RECOMMENDATION

The programme recommends that the Work Off Plan is closed and the Design Artefacts re-baselined on the basis that:

- 62 Work Off items were approved as closed at the DAG meeting on the 8th February
- No issues were raised in the feedback received for the 11 remaining Work Off items
- Actions are in place to meet the agreed conditions and will be monitored through the appropriate governance route.

Following the re-baseline:

- The red-lined Design Artefacts will be uplifted to the baseline version (as detailed on slide 8 & 9) and will be published on the Collaboration Base and MHHS Website by 28th February.
- Agreed changes captured within the conditions will be incorporated into the next scheduled Change Control release approved by the Design Authority.
- Remaining actions will be tracked and monitored through DAG.
- All future design issues or clarifications should be routed through the Change Control process.



Full list of Design Artefacts included in M5 Baseline (1 of 2)

Document Type	Reference	Name / Description	Current Version No.	Baseline Version No.
Business Process Diagram	MHHSP-BP001	Change of Supplier	v4.7	v5.0
Business Process Diagram	MHHSP-BP002	Change of Service - Metering Service	v4.7	v5.0
Business Process Diagram	MHHSP-BP003	Change of Service - Data Service	v4.7	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	v4.7	v5.0
Business Process Diagram	MHHSP-BP010	Change of Registration Data	v4.7	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	v4.7	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	v4.7	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 2)

Document Type	Reference	Name / Description	Current Version No.	Baseline Version No.
Business Requirements	MHHSP-BRS013	Demand Disconnection Events Requirements (ECS)	v4.6	v5.0
Business Requirements	MHHSP-BRS001	Data Services Requirements	v4.7	v5.0
Business Requirements	MHHSP-BRS002	Metering Services Requirements	v4.7	v5.0
Business Requirements	MHHSP-BRS003	Registration Service Requirements	v4.7	v5.0
Business Requirements	MHHSP-BRS004	Supplier Requirements Overview	v4.7	v5.0
Business Requirements	MHHSP-BRS005	LDSO Requirements Overview	v4.6	v5.0
Business Requirements	MHHSP-BRS006	EES & SDEP Requirements	v4.6	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	v4.7	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
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	v4.7	v5.0
Entity Map	MHHSP-EM021	ISD Entity Map	v4.6	v5.0
Interface Catalogue	MHHSP- DES138	Interface Catalogue	v4.7	v5.0
Operational Choreography	MHHSP-OPC001	Operational Choreography	v4.5	v5.0
Technical Artefact	MHHS-E2E003	Physical Interface Specifications	v0.4	v0.4
Technical Artefact	MHHS-E2E002	End to End Non Functional Requirements	v2.3	v2.3
Technical Artefact	MHHS-E2E001	End to End Solution Architecture	v2.4	v2.4
Logical Data Model	MHHSP-DES052	Logical Data Model	v4.6	v5.0
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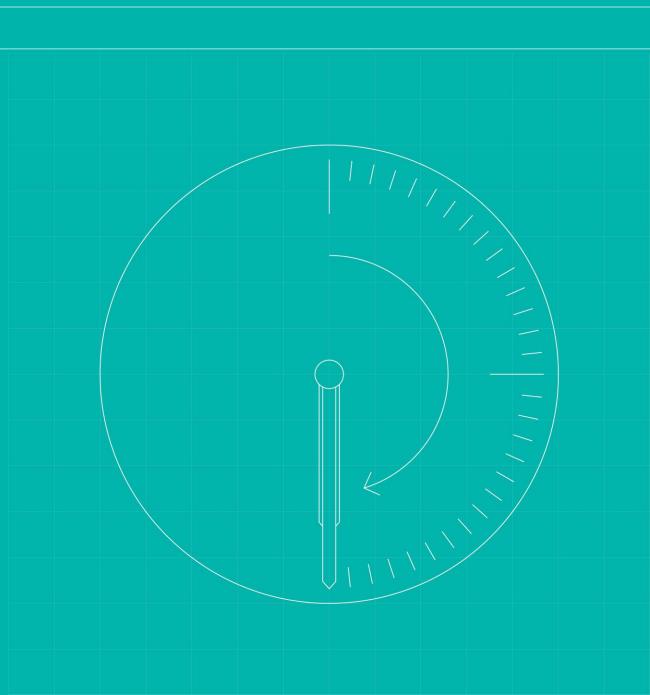


Work-Off Plan Decision

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

Chair & Secretariat





Work-Off Plan Decision

- Objective: DAG members will be asked votes on whether the M5 Work-Off Plan is complete and the Design Artefacts can be re-baselined
- Final SI Design Assurance views will be requested
- Final IPA views will be requested
- Voting outcomes and any associated comments will be clearly recorded within the DAG Headline Report and Minutes



Operation of Decision

DAG Members will be asked:

Do you agree the MHHS design work off plan is complete and the MHHS Design can be re-baselined

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



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.

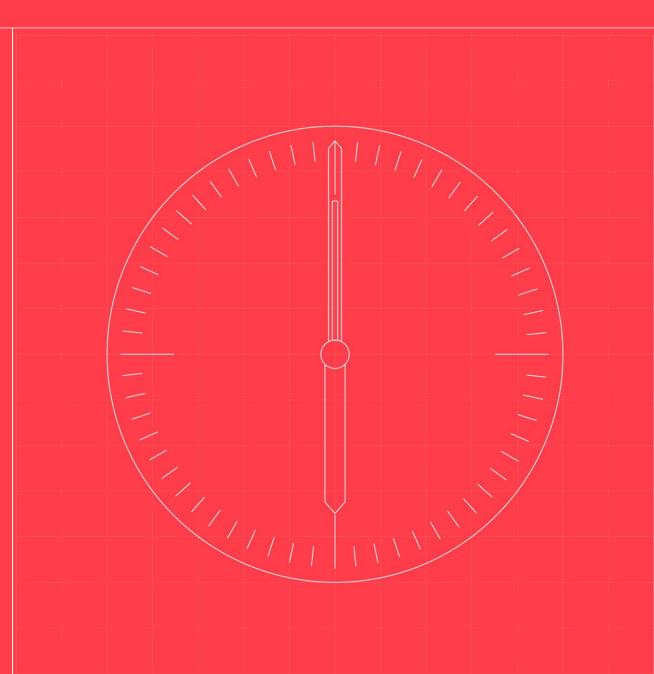


Programme Change Requests

DISCUSSION: Presentation of new Programme Change Request 18 (Registration Service Operating Hours)

Programme (Fraser Mathieson & Ian Smith)





Update on CR018 - Change Request Raised by the MHHS Programme

Objective: Present new Change Request to DAG for initial comments

CR018 Overview: Registration Service Operating Hours

Issue Statement:

- The current baselined **Operational Choreography** design requires out of hours processing to be undertaken by parties in support of MHHS processes driven by requirements for more timely processing of data
- These data processing windows are driven by requirements for the collection of data for the Load Shaping services and subsequent downstream HH consumption generation processes driven by the requirement to move to a shortened settlement timetable
- · Working group discussions have identified a number of distinct areas where participants have identified negative consequences should processes not be supported over weekends
- CR017 has previously proposed two solutions to this issue (a preferred option and an alternative option)
- CR018 has been raised to set out a further option to have a full set of three Impact Assessed options to consider in deciding an appropriate solution.

Description of change:

- CR018 seeks to collect impacts from parties regarding the impact of supporting services and any impacts of processes not being undertaken over the weekend / bank holiday periods
- The change seeks to provide quantified justification for specifically bounded areas of out of hours support
- · Support in this context would be an expectation of automated processes being run
- Manual exceptions would not be required to be dealt with until the next working day and technical support limited to restarting processes in the event of a technical failure.

CR017 Considerations:

• CR018 proposes Impact Assessments for both CR017 and CR018 are returned in the same timescales to inform the overall decision. DAG similarly agreed both CRs should be issued together

MHHS Change Board outcomes

An extraordinary Change Board was convened on 08-Feb-23 to validate Change Request CR018

Change Board validated CR018 and agreed on the following:

- CR018 is reviewed by DAG on 16-Feb-23 with a decision on raising for full Impact Assessment
- DAG can agree to issue CR018 to Impact Assessment or reject the change request and refer it back to the raiser. Any proposed amendments to CR018 would require Change Board validation.

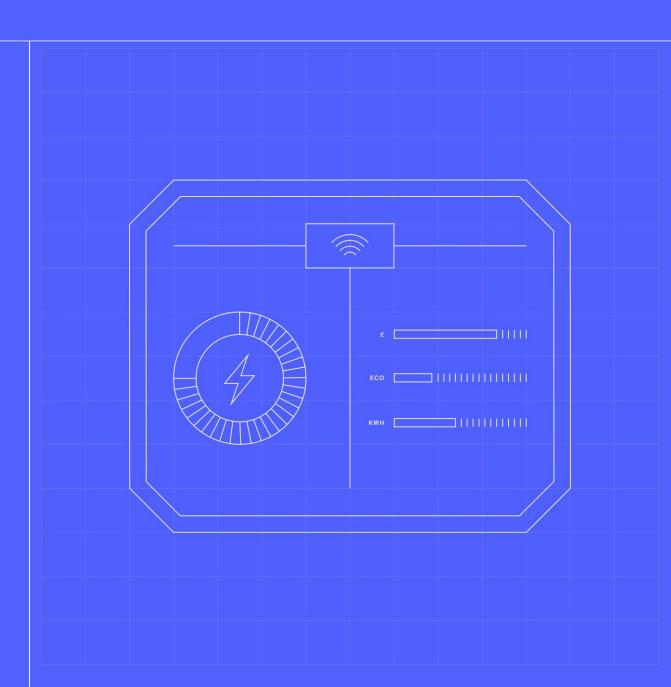


Summary and next steps

INFORMATION: Summarise key discussions, actions, and next steps

Chair & Secretariat





Summary and Next Steps

Next steps:

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

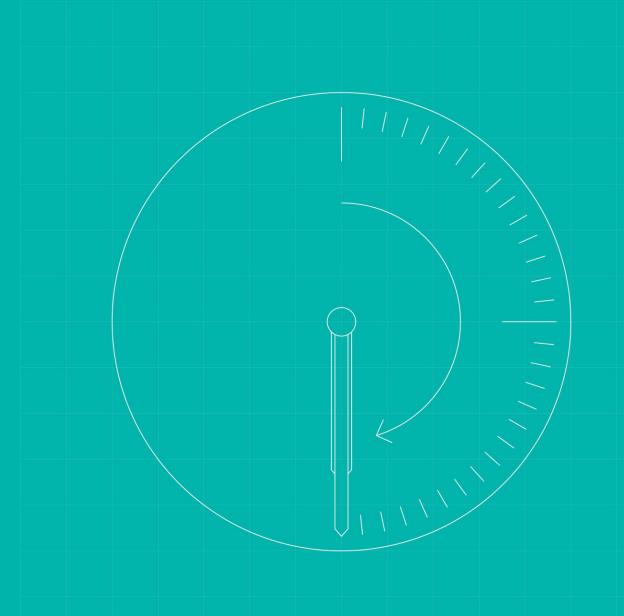
DAG agenda roadmap:

Meeting dates	16-Feb	08-Mar	05-Apr
Relevant milestones or activities	M5 Work-Off Plan Decision	Design baseline management	Design baseline management
Agenda items	Work-Off Plan CompletionWork-Off Plan DecisionProgramme Change Request	Design changes for approvalMigration design updates	Design changes for approval
Standing items	Summary and next steps	Minutes and actionsProgramme updatesCCIAG updatesSummary and next steps	Minutes and actionsProgramme updatesCCIAG updatesSummary 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)



Appendices





Appendix 1 – M5 Work Off Plan Consultation Responses (1 of 4)

Work Off Item	Conditions	Raised By
D-008-Complex Site Arrangements	Conditional accept , as long as the existing captured DAG Conditions and Resolution are addressed, in addition to the Programme capturing the missing DAG action for consideration by the Design Authority (<i>DAG20.1-08 Large Supplier Representative to provide further detail on constituency views on work-off item D008 (Complex Site Arrangements</i>) and proposed alternative).	Large Supplier
D-033-MPAN Linkage (Related & Import/Export)	Conditional accept, as long as the existing captured DAG Conditions and Resolution are addressed, in addition to the Programme addressing the following key asks: • The Programme needs to host a session for Suppliers to validate the Import / Export design and the process clarifications that are required to ensure the design will be sufficient in the new MHHS TOM. Linked to this, the Programme needs to drive the new Import / Export linkage process (there is no change present in the industry at the moment despite it being raised for progression in CCIAG). • The Programme and code bodies need to be aligned on the DS and MS appointment agreements as these will need to go into legal text (which Suppliers will be held to under their License obligations). The Programme and code bodies are asked to validate these assumptions in writing ahead of any code drafting. • Further detailed comments related to the points highlighted above: • There is insufficient clarity on linking Import / Export MPANs. The criteria for linking needs to be articulated e.g. REL address or MSN or other. This will also require codification as the REC do not recognise the term "Linked MPAN". • The Programme proposed that initial population of the Import / Export linkage data would be carried out by the LDSO. If this is the case, the supplier may be unaware that there is a site in their portfolio which is linked. • There is a significant number of export (800k+ FIT) meters without an MPAN across industry. However if this change is effected, this will cause alignment problems where the original supplier (without a MPAN) and has since lost the Import MPAN lost to a different supplier. When the new MPAN is created for this FIT meter (as per the new requirements), the Import MPAN of the adaption appoint agents — and make the same as those appointed by the Import Supplier of adding additional complexity to an already complex process. There is little value in linking these as the electricity being generated is not measured. • Further Migration of t	Large Supplier



Appendix 1 – M5 Work Off Plan Consultation Responses (2 of 4)

Work Off Item	Conditions	Raised By
D-025-Definition of changes to DTN messages	 Conditional accept, as long as the existing captured DAG Conditions and Resolution are addressed, in addition to the Programme addressing the following key ask: Activity is in plan for Code Drafting commencing 15 February. A summary of all D-Flows with detail of the proposed changes will be published on 28 February As the DTN changes have been taken out of DES138 and the DES196 artefact has been reinstated, its delivery is critical for all participants to progress their designs. While a conclusion to D-025 is expected for 28 February, we assume this is a new version of DES196. A 10 working day review period will be needed as a minimum to impact assess this artefact due to the volume of change resulting from this. 	Large Supplier



Appendix 1 – M5 Work Off Plan Consultation Responses (3 of 4)

Work Off Item	Conditions	Raised By
D-053-Minor Corrections- Interfaces	The only issue we have identified relates to D053 and the approach to setting the customer direct contract flag. The position set out by the programme is that the flag can only be set by the incumbent (based on the consensus position expressed by industry). However, both the MS-013 and DS-34 have a statement that the customer direct contract flag can be set by any MS / DS. Also, the validation rules for IF038 do not reflect this position e.g. we would expect a registration service validation rule to confirm the message is received from the incumbent. We don't believe this should stop the items from being baselined but these 3 changes should be added to the DA log of housekeeping changes for the next release with a clear statement that the programme position is that the flag can only be set by the incumbent.	RECCo
D-053-Minor Corrections- Interfaces	We believe that D-053 is the only Work Off Item that has not been closed off properly in v4.7. The Registration Service Requirements for who can set the Customer Contracted Service (Agent) Flag has been missed off. This has been highlighted to RECCo who originally raised D-053. We raised: Were you expecting this Requirement to also be a rule on the IF-038? Metering Service must publish a Customer Direct Contract Advisory on the Data Integration Platform via the appropriate interface for each MPAN that forms part of the contract, this will also include the contract end date. This can be done only by the incumbent Metering Service and where a contract has been formally agreed with the customer. It's not currently specified in the 4.7 Interface Catalogue, MPRS will let any Service set the flag. RECCo advised that they agree that if the programme position is that it is only set by the incumbent then that should be reflected in the validation rules. They also highlighted that they have flagged a further error in the RS requirements where it still references the flag is set by any MEM / DS and are hoping this can be closed off with an action that the products be updated in the next release to fully reflect the position.	



Appendix 1 – M5 Work Off Plan Consultation Responses (4 of 4)

Additional Comments		Raised By
Closed D-040-Define format of consumption and reading data items	 The item is marked as "Closed-Artefact(s) Updated" (on slide 28) by the Programme. We remain very concerned that the reports notes "consumption will be shared in either kWh or MWh as appropriate and that the number of decimal places for each would extend to provide watt hour granularity." This is a numerical field and one which will be used in many calculations; therefore is not reasonable to expect conditional processing to be performed at high volumes. The simplest solution would be to provide all values in watt hours to remove any possibility of error which could have major consequences. Otherwise, this is open to significant misinterpretation where the incorrect value is provided – e.g. due to trailing zeroes. Standardising the unit of measure at source will reduce the complexity of the overall solution as a whole across the numerous interconnected downstream systems. 	Large Supplier
Not related to Work Off Plan	 The Programme has defined structures and depending on the flow, the Programme has used either the full block or a partial block, going against the technical design. This is not acceptable and need to be corrected (e.g. a segment in IF38 contains 1 field, but the same segment in IF39 contains 2 fields). 	Large Supplier
Not related to Work Off Plan	• Specifically, for all the outstanding actions / resolutions (including our additional points above), the Programme needs to confirm where these (and any others) will be monitored and accepted to ensure the design is agreed, including a timeline for these activities. We expect this to be DAG responsibility (supported by the Design Authority where required) with escalation to the PSG if the activity is not completed by the specified timeline.	Large Supplier
Not related to Work Off Plan	There is a need for the Programme to validate how the DIP artefacts will be accepted into the Design and validate any changes that come from these design documents.	Large Supplier
Not related to Work Off Plan	 While we fully appreciate the need to baseline, we are concerned that the change control process appears rigid, e.g. observations on artefacts out for review in December were often rejected on the basis that there was no work-off-plan reference. Migration and reverse migration in particular is complex and may impact design and there are design gaps as articulated above. We would also like to understand as soon as possible whether Avanade as the DIP Provider will be able to deliver against the DIP interface DES138. 	Large Supplier
Not related to Work Off Plan	The Design Authority change log needs to be publicly available so that participants are aware of incoming artefact changes.	Large Supplier

