



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

M5 Work Off Plan- Completion Report

25 January 2023

Version 1.0

MHHSP-DES232

Document Classification: Public

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 the resolution of each Work Off item can be found in the following slides.

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

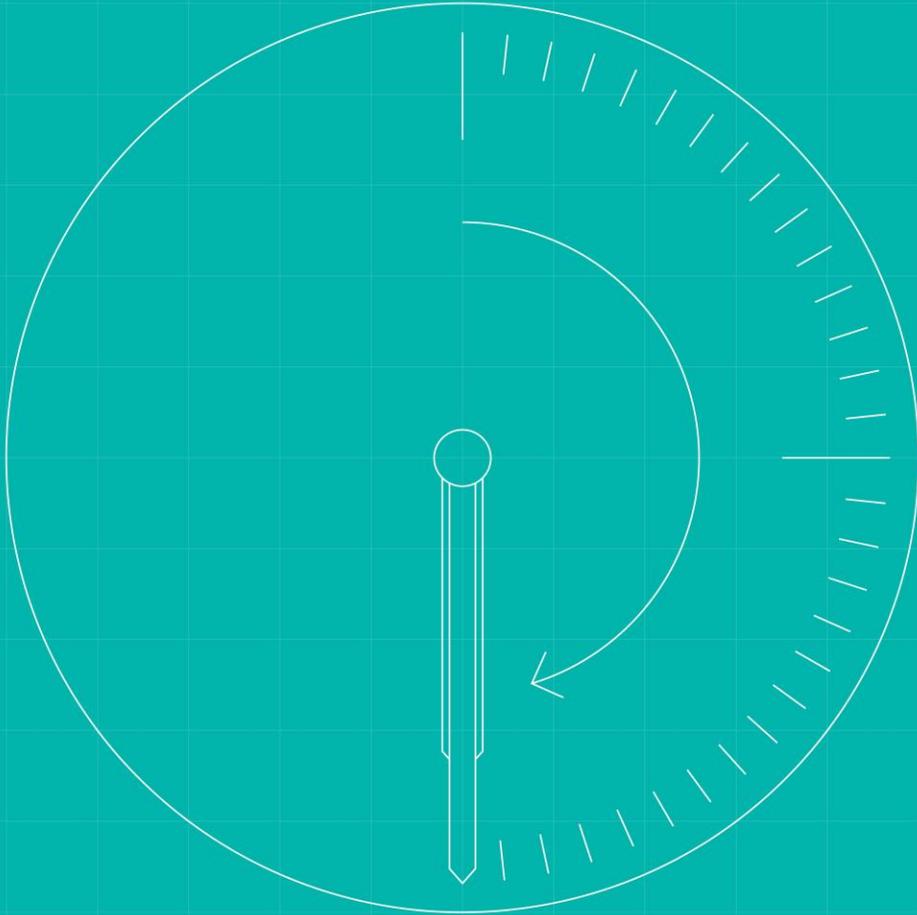
The Design Artefacts were updated in accordance with the cosmetic changes, and the clarifications, rationale for rejections and updated Artefacts were re-issued to participants on 23 January 2023, in preparation for the DAG baseline decision.

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

[Revised Design Artefacts](#) and [Comment Responses](#) can be found on the Collaboration Base.

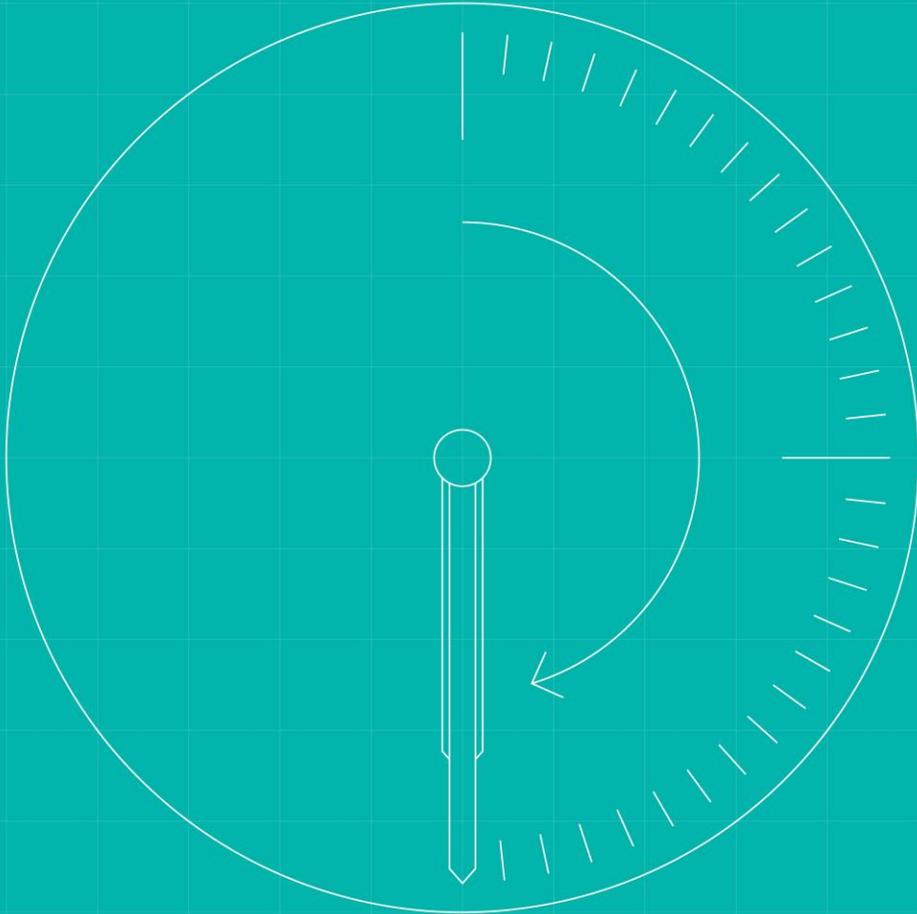
Work Off Item Status: Propose Closed- Managed as Change Request



M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Managed as a Change Request

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-012- E7/E10 differential settlement	Further investigation required to agree the best option for a technical solution for domestic import customers who have chosen to opt out of allowing access to their HH profile data from the meter	Propose Closed- Managed as a CR	<p>Escalated to DAG for decision following non consensus in Working Group.</p> <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>Change Request drafted by Programme and issued to Large Supplier constituency for review.</p> <p>Assurance comment rejected as D-012 has been removed from the M5 Work Off Plan</p>	No change to Baseline Design Artefacts	WOA-0113- British Gas- Rejected- Scope	<p>Options Paper issued for offline review 28/11/2022</p> <p>Working Group Meeting 05/12/2022 Initial discussion</p> <p>Working Group Meeting 12/12/2022 Decision: No consensus reached within the Working Group around proposed options. Challenge raised that this is not an MHHS issue to resolve. To be escalated to DAG for decision</p> <p>DAG Meeting 14/12/2022 Decision: DAG-DEC-34- 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>
D-013- Registration Service Operating Hours	<p>Activity required to clarify the timings around the treatment of SP appointment requests with regard to SCS downtime and Operational Choreography document updates</p> <p>Changes will have potential impacts on other services which will require discussion</p>	Propose Closed- Managed as a CR	<p>Escalated to DAG for decision following non consensus in Working Group.</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>Change Request drafted by Programme and issued to DNO constituency for review. Issued to DAG for review.</p>	No change to baseline Design Artefacts	None	<p>Working Group Meeting 25/11/2022 Initial impact assessment discussion</p> <p>Working Group Meeting 12/12/2022 Decision: WO-DEC-14- No consensus reached in the Working Group Objections raised by DNO/IDNO constituency To be escalated to DAG for decision</p> <p>DAG Meeting 14/12/2022 Decision: DAG-DEC-35-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>

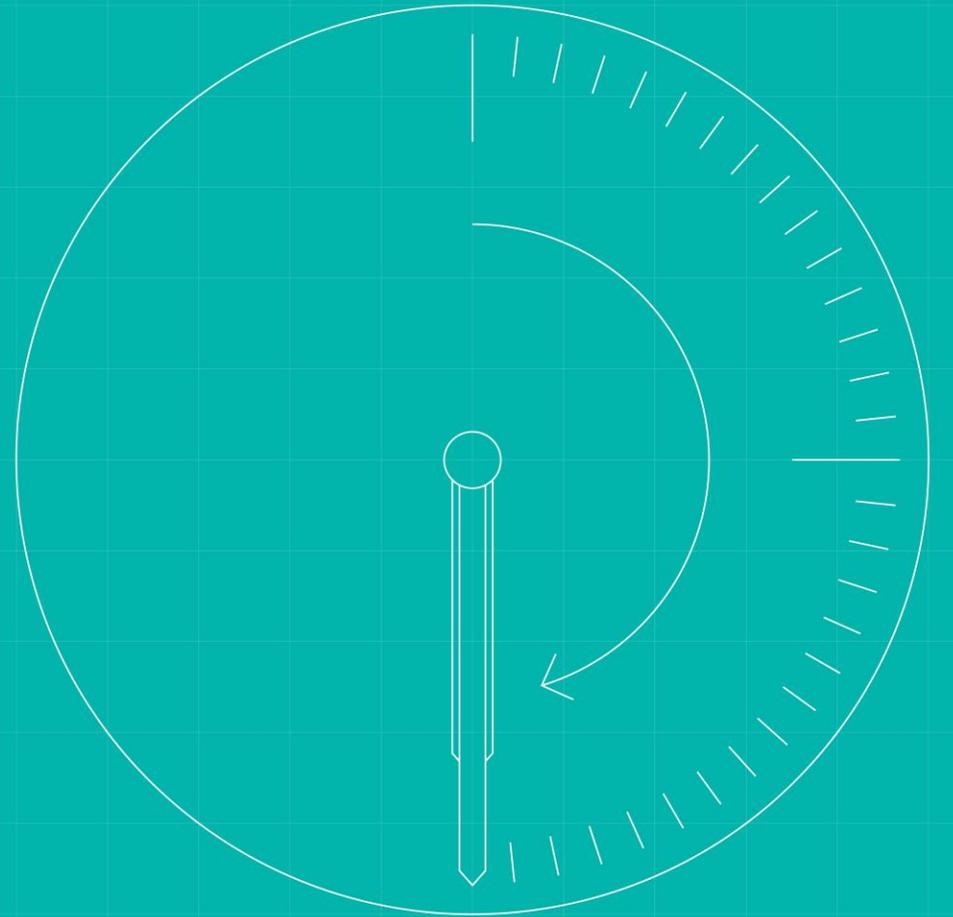
Work Off Item Status: Propose Closed- Moved to Code Drafting Workstream



M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Moved to Code Drafting Workstream

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-025- Definition of changes to DTN messages	<p>Activity required to impact assess the changes required to DTN messages . DTN Worksheet contained in Interface Catalogue to be reviewed and updated</p> <p>Position to be agreed with Programme, BSCCo & RECCo as to design next steps with regard to the changes being progressed under programme design governance.</p>	Propose Closed- Moved to Code Drafting	<p>Position agreed with Programme, BSCCo & RECCo with regard to the changes being progressed under programme design governance.</p> <p>Joint consultation completed by MHHS Programme and RECCo. BSC consultation to be scheduled. Future activity to be co-ordinated and managed within the Code Drafting Workstream within the MHHS Programme.</p> <p>Proposal to remove the DTN Worksheet from the Interface Catalogue and maintain as a Working document within the Code Drafting Workstream until all changes to the DTN flows have been defined and agreed.</p> <p>Clarification published in response to Assurance comments</p>	No change to baseline Design Artefacts	<p>WOA-0025- RECCo- Clarification</p> <p>WOA-0059- Power Data Associates- Clarification</p> <p>WOA-0090- St Clements Services- Clarification</p> <p>WOA-0098- British Gas- Clarification</p>	Joint Consultation Paper issued by MHHS Programme & RECCo 05/12/2022
D-034A- DTN Role Code	Progress activity to designate role codes for DTN flows used by new MHHS services noting previous discussions where agreement reached on preference for separate role codes for new MHHS services	Propose Closed- Moved to Code Drafting	<p>Work Off Item D-034 split into 4 separate items- this item specifically relates to the provision of DTN Role Codes for new MHHS Services.</p> <p>As agreed with the Working Group, separate role codes are required for the following MHHS Services:</p> <p>SDS, ADS, UMSDS, MSS and MDA</p> <p>Electralink have confirmed that there are sufficient role codes available and provided detail of the codes that are currently not in use. Once analysis has been completed a summary document specifying exactly which Market Participant Role Codes we expect to be assigned to the MHHS Services will be published.</p> <p>This activity will be managed within the Code Drafting Workstream</p>	No change to baseline Design Artefacts	WOA-0060- Power Data Associates- Clarification	<p>Working Group Meeting 14/12/2022</p> <p>Decision: Separate role codes are required for each new MHHS Service. Key Actions: Further activity required to identify and allocate specific role codes</p>

Work Off Item Status:
Propose Closed-
Changes not incorporated-
Rationale Provided



M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Changes not incorporated- Rationale provided

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-004- Annual Consumption Method Statement- further development	AC method statement development to be completed. Whilst elements of this can be progressed immediately others will have dependencies on the detail of Transition Design	Propose Closed- Changes not Incorporated- Rationale Provided	Design Artefacts updated to reflect the changes agreed with the Working Group. Assurance comments accepted and artefacts updated 2 comments rejected as relating to Transition design and ECS design which are not in scope of the M5 Work Off Plan.	MHHSP-BRS012-Annual Consumption requirements MHHSP - METH010 Annual Consumption	WOA-0077- Elexon- Rejected- Scope WOA-0125- British Gas- Cosmetic Change WOA-0300- Elexon- Rejected- Scope	Working Group Meeting 28/11/2022 Decision: The Working Group agreed the artefacts should be updated accordingly as per the related actions and presented for further review. Working Group Meeting 09/12/2022 Decision: Updates to the Annual Consumption Method Statement agreed by the Working Group Design Artefact to be updated and published for assurance review
D-009- Rejection of MDR Notification to DCC	Dependency on R044. Activity required following decision on R044 to determine whether a new error interface back to SDS is required and how this would be resolved As is CSS process does not support a rejection mechanism MHHS have requested a rejection mechanism to notify where MDR update by DCC failed Design team awaiting outcome of R044 process - may require update to incorporate rejection within processes NB Decision Session at the beginning of December Current BP & requirements implies that all CSS updates will receive error message when only in fact will this be generated for the DSP update	Propose Closed- Changes not Incorporated- Rationale Provided	Design Artefacts updated in line with R044 change to reflect MDR updates sent to CSS Assurance comments accepted and artefacts updated 2 comments from one party rejected as not in line with R044 design	MHHSP-BRS003-Registration Service MHHSP-BP003A-CSS and DCC Update	WOA-0004- RECCo- Cosmetic Change WOA-0005- RECCo- Cosmetic Change WOA-0006- RECCo- Cosmetic Change WOA-0083- St Clements Services- Rejected- Scope WOA-0095- St Clements Services- Rejected- Scope WOA-0096- St Clements Services- Cosmetic Change	

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Changes not incorporated- Rationale provided

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-010A- New Connections Choreography	Operational Choreography to be updated to reflect New Connections	Propose Closed- Changes not Incorporated- Rationale Provided	<p>Work Off item is linked to D-013- Registration Operating Hours and as such is to be factored in to the detail of the Change Request. Recommend Work Off item is removed from the Work Off Plan as per DAG decision</p> <p>Assurance comments rejected as the New Connection process remains unchanged and as such is not in scope of MHHS</p>	No change to baseline Design Artefacts	WOA-0023- RECCo- Rejected- Scope WOA-0087- St Clements Services- Rejected- Scope	<p>DAG Meeting 31st October 2022 Full list of Design Artefacts listed within Design Artefact Tracker agreed as part of M5 Baseline decision. Confirmed BP006- New Connection not in scope - "BP006 has now been integrated into BP001- As the New Connection process remains unchanged by MHHS the decision was taken to remove the process and replace with new entry point of MPAN Creation at Switchable State in CSS in BP001"</p> <p>DAG Meeting 14th December 2022 Decision: DAG-DEC-35- 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>
D-022- RMP / MPAN Stauts	Further investigation required in conjunction with St Clements to ensure no inconsistency in MHHS design (Will require parallel discussion with New MPAN creation discussion)	Propose Closed- Changes not Incorporated- Rationale Provided	<p>Design Artefacts updated to reflect update of MP/RMP status on initial Data Service Appointment</p> <p>Assurance comments accepted and artefacts updated</p> <p>1 comment rejected as requesting a change to the design agreed by the Working Groups</p>	MHHSP-BRS003-Registration Service MHHSP- DES138-Interface Catalogue- IF-005, IF-031 and IF-038 (Validation Rules)	WOA-0019- RECCo- Cosmetic Change WOA-0021- RECCo- Cosmetic Change WOA-0022- RECCo- Cosmetic Change WOA-0082- St Clements Services- Cosmetic Change WOA-0092- St Clements Services- Clarification WOA-0092- St Clements Services- Rejected- Change to agreed design	

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Changes not incorporated- Rationale provided

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-034B-MPID	Further discussion required to confirm position around retaining the traditional 4 letter MPID in the body of the message text	Propose Closed- Changes not Incorporated- Rationale Provided	<p>Work Off Item D-034 split into 4 separate items- this item specifically relates to the inclusion of MPID in the body of the message text.</p> <p>Following assessment the Programme position is to reject this proposed change based on the following rationale: The DiP has been mandated by OFGEM as being a strategic platform and must therefore be fit for use with other use cases within the industry as outlined in the approved AWG recommendation. The consequence of this is that the platform must be capable of supporting organisations that fall outside of the core set of MPID/Role codes that are currently in play today in the electricity sphere.</p> <p>The DiP has to be constructed in such a way as to be able to accept high numbers of additional roles and parties to support the direction of this being a strategic platform with use cases that extend beyond the current Electricity industry parties and roles. Maintaining a primary addressing regime constrained by the current electricity roles and codes is contrary to this objective. This approach was discussed within the Technical Design Working Group and this was agreed with no objection. TDWG were best qualified to make determinations around the technical elements of the design.</p> <p>The current four character MPID and single character role code place significant constraints on adding new roles. If a significant set of parties and roles were to be added to the DiP this style of addressing is not fit for purpose. Therefore in terms of physical resolution of these addresses these fields were required to be larger to allow for future use cases accommodating additional roles and parties.</p> <p>Were the DiP ID approach to be rolled back we would be placing significant constraints on the future use cases of the DiP and would accept technical debt from the outset of the DIP implementation, as expanding these fields in the future and subsequently aligning parties systems would be costly. Alternatively the DiP would be required to maintain separate addressing regimes in parallel which would be poor design and would drive further technical debt.</p> <p>Assurance Comments from two parties rejected as the proposed change does not align with the agreed technical design principles</p> <p>Rejection rationale supported by the SI Assurance and the Independent Programme Assurance (IPA)</p>	No Change to Baseline Artefact(s)	WOA-0009- RECCo- Rejected- Design Principles WOA-0075- Elexon- Rejected- Design Principles	<p>Objection(s) Raised OBJ-034 - RECCo & OBJ-036- Elexon Description: Request that the traditional 4 letter MPID should be included in the body of the message text. Justification: Elexon- The 4 letter MPID is used by both upstream (CSS) and downstream (SAA, Party Reporting) services. Not including the transfer of registration information would mean both the Registration Service and Elexon Central Services having to perform a mapping exercise to communicate the DIP Id. As neither service actually requires the DIP Id this process is suboptimal and has potential to lead to additional costs to parties for transforming data. RECCo- The Design Artefacts are inconsistent as the ECS reporting product includes supplier id within the body of messages whereas the interface catalogue uses DIP Id. Working Group Meeting 14/12/2022 Constituency views: Central Parties- Preference expressed by Elexon and RECCo to retain the MPID in the message body. Independent Agents- Preference expressed by Callisto and Power Data Associates to retain the MPID in the message body No other constituency views were expressed in support and no objections were raised to the views presented. Assurance Comments: WOA-0009 – RECCo & WOA-0075- Elexon Elexon- Potential to raise CR if the change is not incorporated into the Design</p>

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Changes not incorporated- Rationale provided

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-034D-UMS Data Items	Challenge received that certain data items are not required in messages received by Unmetered Segment	Propose Closed- Changes not Incorporated- Rationale Provided	<p>Work Off Item D-034 split into 4 separate items- this item specifically refers to removal of data items received by the UMS segment.</p> <p>Proposed change challenged by the design team as it does not align with the agreed design principle to maintain standardisation across all segments.</p> <p>Assurance comment from one party rejected on this basis</p> <p>Rejection rationale supported by the SI Assurance and the Independent Programme Assurance (IPA)</p>	No Change to Baseline Artefact(s)	WOA-0054- Power Data Associates- Rejected- Design Principles	<p>Objection Raised: MHHS-Obj-53- Power Data Associates Description- All of these comments relate to scenarios across a range of IFs, where you have advised the Design Team agreed to retain these data items in the interfaces. You have given no rationale for the reason of these decisions though other than commenting there were mixed views, and we continue unable to follow any reason why these should be in place</p> <p>Assurance Meeting 12th October Discussion around removal of EZ Name - agreed to include in D-034- DTN Role Codes Work Off Item</p> <p>Working Group Meeting 14th December Power Data Associates raised concerns that the wider elements of their original objection had not been considered as part of the Work Off Plan. Design Team conceded but challenged that the request to remove unnecessary data items from interfaces for the UMS segment is against the agreed design principle for standardisation across all services. Views from other constituencies were requested: nPower Business Solutions stated that they saw the point but would be nervous around the potential impact on DBT Callisto supported the view No other views were expressed. Agreed to add the item to the Work Off Plan for further investigation</p>

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Changes not incorporated- Rationale provided

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-038- Change Contract Reference to Mandatory	<p>The Contract Reference should be mandatory in both the IF-033 IF-036 & IF-031, not optional.</p> <p>Review commentary received requesting this be optional and agree position.</p>	Propose Closed- Changes not Incorporated- Rationale Provided	<p>Design Artefact updated to include a guidance note explicitly stating Contract Reference will be a requirement for certain agents</p> <p>Investigation of previous working group discussion and comments received through the various review cycles determined that there is a split of opinion regarding whether the field should be Optional or Mandatory, therefore, as the field is not required by all parties the preferred solution is to keep the field as optional and provide a mechanism whereby parties requiring the field to be populated can validate and reject accordingly.</p> <p>Assurance comment received from one party rejected on this basis</p> <p>Rejection rationale supported by the SI Assurance and the Independent Programme Assurance (IPA)</p>	MHHSP- DES138- Interface Catalogue- IF-031	WOA-0055- Power Data Associates- Rejected- Change to agreed design	<p>Comments received T4-COM-1846 submitted by Power Data Associates as part of the E2E review stated that there would not be a contract reference for the UMSO and as such the data items should not be mandatory. This comment was accepted and the field change to Optional</p> <p>T4-COM-0659/T4-COM-0660 submitted by CGI as part of the E2E review stated that the field should be Optional as it may or may not be required between the Supplier and the Data Service. This comment was accepted and the field changed to Optional</p> <p>Objections recieved: OBJ-09 submitted by Callisto as part of the Assurance review stating that the Contract Reference should be Mandatory.</p> <p>Assurance Meeting 12th October- Independent Agents expressed a preference for the field to be Mandatory Other parties who had requested that the field be made optional were not present Programme took an action to review the commentary and agree position</p>
D-045- Unmetered Connection Type	Confirm rationale for including Unmetered Connection Type	Propose Closed- Changes not Incorporated- Rationale Provided	<p>Clarification statement issued for offline review 18/11/2022</p> <p>Offline commentary received from 2 parties confirming support for inclusion of the Unmetered Connection Type</p> <p>2 Assurance comments received from one party relating to additional commentary not specifically covered by the Work Off item which have a wider implication across industry parties, therefore rejected on this basis.</p> <p>Rejection rationale supported by SI Assurance and the Independent Programme Assurance (IPA).</p>		WOA-0056- Power Data Associates- Rejected- Scope WOA-0062- Power Data Associates- Rejected- Scope	<p>Objection Raised: MHHS-OBJ-52- Power Data Associates Description- Unmetered is not a Connection Type. Any Unmetered equipment has a physical Connection Type of Whole Current.</p> <p>Clarification Statement Issued for Offline Review 18th November</p> <p>Email Responses IMServ- support inclusion of Unmetered Connection Type Power Data Associates- Accept proposal to use the connection type.</p>

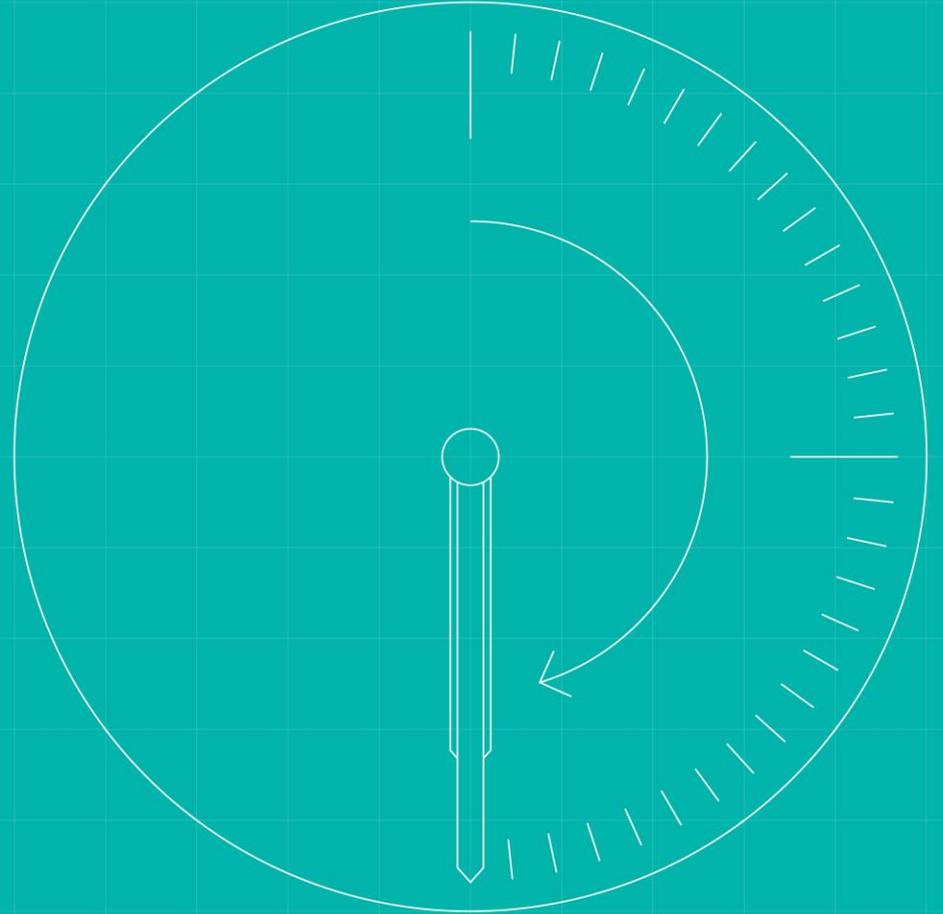
M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Changes not incorporated- Rationale Provided

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-048- Minor Corrections- Interfaces	The IF-041 is shown in the 'to' and 'from' being sent to all Data Services. This is not relevant to UMSDS as unmetered does not operate using meter readings. So the to/from should be amended to only refer to SDS & ADV Data Services	Propose Closed- Changes not Incorporated- Rationale Provided	Design Artefact updated to include a note to reflect that IF-041 is not required by UMSDS 2 Assurance comments requesting that UMSDS is removed from the 'to' and 'from' in the interface rejected on the basis that the proposed change does not align with the agreed design principle to maintain standardisation across all segments. Rejection rationale supported by wider MHHS programme and Independent Programme Assurance (IPA).	MHHSP- DES138- Interface Catalogue- IF-041	WOA-0026- RECCo- Rejected- Design Principles WOA-0064- Power Data Associates- Rejected- Design Principles	Objection Raised: OBJ-06- Power Data Associates Description- The IF-041 is shown in the 'to' and 'from' being sent to all Data Services. This is not relevant to UMSDS as unmetered does not operate using meter readings. So the to/from should be amended to only refer to SDS & ADV Data Services Justification- Erroneous data could be circulated incorrectly and may will not be acted upon by the recipient.
D-058- Minor Corrections- Interfaces	Update IF027 to reflect that it is not required by the UMDS	Propose Closed- Changes not Incorporated- Rationale Provided	Design Artefact updated to add a note to clarify that there is not a requirement for UMSDS to use IF-027 Assurance comment recieved from one party rejected on the basis that it does not align with the agreed design principle to maintain standardisation across all segments. Rejection rationale supported by the SI Assurance and the Independent Programme Assurance (IPA).	MHHSP- DES138- Interface Catalogue- IF-027	WOA-0066- Power Data Associates- Rejected- Design Principles	Objection Raised: OBJ-46- Power Data Associates Description- You have agreed with our comment, and indicated the existing inventory management system will be used to manage consumption. We concur. This therefore means this IF is not required by the UMSDS – so changes need to be made to reflect this.

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Changes not incorporated- Rationale Provided

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-069- Minor Correction- Business Process/Requirements	<p>Review BPM and clarify position on the following:</p> <ul style="list-style-type: none"> - Step 115 of the BP should reference CSS interface CSS00700. - Step 145 should be amended to state that it is just receiving notification of de-appointment of agents as the DIP does not receive notification of disconnection at this stage - that was covered as step 85. <p>- Registration Service Requirement (RS-102.1) states that the RS must, on receipt of a registration de-activation notification from CSS, update the status to de-energised and send a de-energised notification for any MPANs where the energisation status is currently energised, via the appropriate interface. This is incorrect, the energisation of the metering point is not linked to the supplier registration. Also note there is no reference to de-energisation in the business process.</p> <p>- Confirm if there is a requirement for the registration service to consider the energisation within this process and if not, the requirement should be deleted</p>	Propose Closed- Changes not Incorporated- Rationale Provided	<p>Design Artefact updated to reflect minor changes as per description</p> <p>Assurance comment received from one party rejected as not in line with the existing process as confirmed by St Clements Services</p>	MHHSP-BP007- Disconnection MHHSP-BPD007- Disconnection	WOA-0016- RECCo- Rejected- Change to agreed design	None

Work Off Item Status: Propose Closed- Design Artefact(s) Updated



M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-001- Inclusion of EES/ECOES in Design	Updates to Business Process Diagrams, E2E Architecture, & Interface specs to incorporate EES/ECOES	Propose Closed- Artefact(s) updated	Design Artefacts updated to include EES as a recipient of Data Flows. New interface (IF-050) added for specific Registration to EES updates. Assurance comments accepted and artefacts updated with cosmetic change to add EES as a 'Recognised Party' in the Interface Catalogue	MHHSP-DES138-Interface Catalogue-IF050 MHHSP-BP001- Change of Supplier MHHSP-BPD001- Change of Supplier MHHSP-BP010- Change of Registration Data MHHSP-BPD010- Change of Registration Data MHHSP-BRS003-Registration Service MHHSP-BRS006-EES & SDEP Requirements	WOA-0057- Power Data Associates- Clarification WOA-0079- Elexon-Cosmetic Change	Working Group Meeting 28/11/2022 Decision: RECCo confirmed they were satisfied with the work completed thus far and the recommendation proposed. There were no objections to the Design Team recommendations from other Participants.
D-003- Making Load Shapes publicly available	Precision to be agreed with regard to requirement as to whether exposure via a portal requiring credentials meets the definition of publicly available.	Propose Closed- Artefact(s) updated	Design Artefacts updated to reflect agreed position around making load shapes publicly available No further comments received as part of Assurance Review	MHHSP - BPD018 - Load Shaping Service Business Process Description MHHSP - BPD021- Industry Standing Data Business Process Description MHHSP - BRS007 - Load Shaping Service Requirements (ECS) MHHSP - BRS010 - Industry Standing Data Requirements (ECS)		Working Group Meeting 28/11/2022 Decision: The Working Group recommended the amendments that had been made to the artefacts
D-008- Complex Site Arrangements	Activity required to carry out further investigation to validate existing assumption that complex site arrangements are applicable to ADS segment only, and determine any further considerations Participants have flagged certain complex metering arrangements that were understood not to be possible. Work group discussion required with potential ADS providers to understand scope of complex metering arrangements e.g. Smart Meter behind the boundary / Cross Segment arrangements Assessment to validate that these scenarios physically exist and are permitted Assess impact on existing design	Propose Closed- Artefact(s) updated	Design Artefacts updated to reflect that Change or Market Segment can be triggered by an update to related MPAN relationships Clarification published in response to Assurance comments confirming the position agreed with the Working Group that where there is a 'grouping of meters' - complex or otherwise- if any of the meters fall into the Advanced segment then ALL meters are required to reside in the Advanced segment	MHHSP-BRS003-Registration Service MHHSP-BP011B-Manage Market Segment (Registration Automation) MHHSP-BP010-Change of Registration Data	WOA-0078- Elexon-Clarification	Working Group Meeting 05/12/2022 Decision: Agreed in principle that Option 1 is the preferred option with the caveat that detailed scenarios need to be documented to provide further detail on how this option will work in practice before the recommendation can be finalised.

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-010B- New Connections Data Provision	<p>Activity required to determine how LDSO Technical Details are provided to the Supplier if not held in Registration or within MTC/SSC- decision required as to whether to retain D0215 or replace with DIP interface</p> <p>IF002 needs to include a new connection event type, and the conditional rules need to be different for that event type. E.g. Energisation and Annual Consumption won't be present on an initial registration.</p> <p>Review incorporation of New Connections process into BP001 to ensure correct as per RECCo comments</p> <p>Consider element of Registration sending MPAN to CSS as Created on the MPAN creation and treatment of CS1000 noting it does not include supplier</p>	Propose Closed-Artefact(s) updated	<p>Design Artefacts updated to reflect changes as agreed by the Working Group to retain the D0215.</p> <p>Assurance comments accepted and artefacts updated with cosmetic changes to reflect that there is no notification from CSS to the Supplier when an MPAN has been created.</p>	<p>MHHSP-BP001-Change of Supplier MHHSP- DES138-Interface Catalogue-IF-002 MHHSP-BRS003-Registration Service MHHSP-BRS002-Metering Services MHHSP-BRS005-LDSO Requirements Overview</p>	<p>WOA-0007- RECCo- Cosmetic Change WOA-0008- RECCo- Cosmetic Change</p>	<p>Working Group Meeting 09/12/2022 Decision: Consensus for Option 2- Continue with D-flows pending resolution of Issue 99- agreed by the Working Group on the basis that the change is deemed to be out of scope of core MHHS design and the programme recommended option cannot be implemented at this point in time due to capacity constraints and potential impact to Level 1 milestones.</p> <p>MHHS programme note the potential for future re-work and impact to Programme timelines resulting from a Change Request following resolution of the Issue 99 Working Group discussions</p>
D-011- LLF data definition	<p>Proposal received via commentary to standardise these IDs for consistency across GSP groups and LDSOs Discussion required via WG to determine whether this is required. Does not impact core design</p> <p>Include the change required to the CSAD (BSCP128 Appendix 5) in scope of MHHS Design</p>	Propose Closed-Artefact(s) updated	<p>Design Artefact updated to reflect position agreed by the Working Group to separate the LLFC Id into DUoS Tariff Id and LLF Id at point of migration and to reflect this in ISD Entity 3</p>	<p>MHHSP - EDI021 ISD Entities</p>	<p>WOA-0058- Power Data Associates- Clarification WOA-0068- Elexon- Clarification WOA-0295- BUUK- Clarification</p>	<p>Working Group Meeting 12/12/2022 Decision: Proposal to separate the LLFC Id into DUoS Tariff Id and LLF Id at point of migration and to reflect this in ISD Entity 3 agreed by the Working Group</p>

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-015- Number of LSS, MDS and VAS Runs	Activity required to agree the maximum number of runs for LSS, VAS and MDS per day. Non Functional Requirements document to be updated to reflect agreed position	Propose Closed- Artefact(s) updated	<p>Design Artefacts updated to reflect Claification Statement issued on 7th December</p> <p>No change to Design Baseline requirements for VAS of maximum of 14 settlement runs per Working Day</p> <p>The MDS and VAS must carry out up to 14 Runs per Working Day</p> <p>LSS is performed on Calendar Day basis, so 1 run per Calendar Day, noting requirement to perform re-runs</p> <p>Assurance comments accepted and artefacts updated to add requirement for MDS.</p>	<p>MHHSP - BRS008 – Market-wide Data Service Requirements (ECS)</p> <p>MHHSP - BRS009 - Volume Allocation Service Requirements (ECS)</p> <p>MHHS-E2E002- End to End Non Functional Requirements</p>	WOA-0298- Elexon-Cosmetic Change	Clarification Statement issued for offline review 07/12/2022 No comments received
D-017- MEM and Connection ISD removal	Update required to ISD Entity M8 to reflect the agreed Dissensus position by and remove the mapping from the table	Propose Closed- Artefact(s) updated	<p>Design Artefact updated to remove mapping from table</p> <p>No further comments received as part of Assurance Review</p>	MHHSP - EDI021 ISD Entities		
D-019- IF005 User Guide & Examples	<p>Activity required to produce a User Guide and examples for IF005 to provide additional clarify.</p> <p>Confirm whether this is a new Design Artefact or a document within enduring knowledge management</p>	Propose Closed- Artefact(s) updated	<p>IF-005 Guidance Document issued for Assurance Review</p> <p>Requirement added (RS-108.1) on meter history updates with reference to the IF-005 guidance document</p>	MHHSP-BRS003-Registration Service	WOA-0093- St Clements Services- Clarification	

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-021- L1-L4 Error Code Definition	Further elaboration of error codes to be undertaken	Propose Closed- Artefact(s) updated	Artefact updated to reflect L1-L4 Error Code Definition Assurance comments accepted and artefact updated to reflect that the Registration Service can respond to the Participant with all the Business Validation Rule breaches to avoid the participant making multiple failed attempts	MHHSP-DES138-Interface Catalogue	WOA-0081- St Clements Services- Cosmetic Change WOA-0089- St Clements Services- Clarification	
D-024- UMSO awareness of change of Data Service	Activity required to update Business Process Diagrams to provide additional clarity around UMSO awareness of change of Data Service	Propose Closed- Artefact(s) updated	Design Artefact updated to reflect provision of D0388 by UMSO on Change of Data Service	MHHSP-BP003-Change of Service - Data Service	WOA-0052- Power Data Associates- Clarification	
D-027- Advanced SSC/TPR Provision	Activity required to discuss potential requirement for SSC/TPR transfer mechanism Next Steps as per Advanced Segment Meeting on 3rd October: It was agreed further understanding was needed of the data items which are currently mandatory, but which may be lost under MHHS. The RECCo representative advised they would circulate information on the current mandatory data items identified as being lost under MHHS and request comments from participants. In conclusion, there was no objection to the notion the matters discussed in relation to the Advanced segment would prevent approval of the design baseline at the end of October. Flows to be considered: D0149/D0150/D0268	Propose Closed- Artefact(s) updated	Design Artefact updated to show SSC/Profile Class as optional for Smart/Advanced meters. Assurance comments accepted and artefacts updated with cosmetic changes to include missing population rules for event codes SSC and Profile Class	MHHSP- DES138-Interface Catalogue-IF-025 and IF-026 (B-032) 03_REG_Notes	WOA-0253- British Gas- Cosmetic Change WOA-0254- British Gas- Cosmetic Change WOA-0255- British Gas- Cosmetic Change	Working Group Meeting- 21/11/2022 Decision: Recommendation not to develop any additional flows in the baseline design agreed by the Working Group on the basis that there is a mechanism within the design to exchange the SSC which is Mandatory for Traditional meters and Optional for other meters and as such can be utilised for Advanced Confirmed that the D0313 flow will no longer be required

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-028- Definition of Smart Meters	<p>Further guidance to be documented to provide clarity on what constitutes a Smart meter</p> <p>Current approach to derive from Meter Type. Discussion required as to incorporation of additional attribute into ISD against meter type explicitly identifying Smart Meters</p> <p>Clarify how the metering service will know about non-communicating smart meters and whether we should assume these only relate to legacy/traditional non-smart meters or smart non-comms as well.</p>	Propose Closed-Artefact(s) updated	<p>Design Artefact updated to reflect position agreed by the Working Group on the definition of Smart Meters</p> <p>No further comments received as part of Assurance Review</p>	MHSP - EDI021 ISD Entities		<p>Clarification Statement issued for offline review 07/12/2022</p> <p>Working Group Meeting 21/11/2022 Decision: Definition of Smart Meters using Meter Group agreed by the Working Group. This will be incorporated into ISD</p>
D-032- Message volumetrics update	<p>Existing volumetric set to be reviewed and updated.</p> <p>Noting the following position from RECCo:</p> <p>The current peak capacity for daily switches in the CSS is 281,600 and suggested that the design should consider this when determining peak requirements for secured active. As this requirement relates to IF-035/36/37 messages, we would assume that the peak daily capacity would be at least 3x the peak daily switch capacity. This would suggest a peak daily volume of 850,000 * portfolio coefficient and an annual volume of 311m</p>	Propose Closed-Artefact(s) updated	<p>Volumetrics Model updated and issued for assurance review</p> <p>Non Functional Requirements updated to reflect changes</p> <p>No further comments received as part of Assurance Review</p>	MHHS-E2E002-End to End Non Functional Requirements		<p>Working Group Meeting 21/11/2022 Key actions: Document assumptions around message volumetrics Investigate option to split out the publications 'in' and 'out' and show the sending and receiving parties</p>

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-033- MPAN Linkage (Related & Import/Export)	<p>Further scenarios identified which contradict both the current design and the in-flight Modifications</p> <p>Proposal to separate interface for related/linked MPANs. Current view of structure is that an export meter is linked to a primary export.</p> <p>Note this relates to an existing CCIAG action and outcome will need to align</p>	Propose Closed-Artefact(s) updated	<p>Design Artefacts updated to reflect maintenance of Related MPAN and Import/Export MPAN relationships</p> <p>Assurance comments accepted and artefacts updated to:</p> <ul style="list-style-type: none"> - Include guidance in the interface notes on how multiple imports in a related group should be managed when linking associated export MPANs - Reflect changes introduced by BSC CP1558 - Add missing validation rule to prevent Related MPANs changes during a switch - Remove blocks from IF-050 	<p>MHHSP-BP010-Change of Registration Data</p> <p>MHHSP- DES138-Interface Catalogue-IF-019 and IF-020 IF-018</p> <p>MHHSP-BRS001-Data Services</p> <p>MHHSP-BRS002-Metering Services</p> <p>MHHSP-BRS003-Registration Service</p> <p>MHHSP-BRS004-Supplier Requirements Overview</p> <p>MHHSP-BRS005-LDSO Requirements Overview</p>	<p>WOA-0003- RECCo-Cosmetic Change</p> <p>WOA-0084- St Clements Services- Cosmetic Change</p> <p>WOA-0085- St Clements Services- Cosmetic Change</p> <p>WOA-0086- St Clements Services- Cosmetic Change</p> <p>WOA-0301- Elexon-Clarification</p>	
D-034C- EZ Name	Confirm rationale for use of EZnames	Propose Closed-Artefact(s) updated	<p>Work Off Item D-034 split into 4 separate items- D-034C specifically relates to inclusion of EZ Name within the interfaces.</p> <p>Design team challenged this position on the basis that the EZ name provides beneficial information to industry parties to enable them to easily identify the sender, particularly in instances whereby operational teams are required to review payloads of messages and deal with errors.</p> <p>Comments were received from a number of parties requesting EZ Name be removed from the design on the basis that it is not required and is an ungoverned data item.</p> <p>Assurance comments accepted and artefacts updated to remove reference to EZ Name.</p>	MHHSP- DES138-Interface Catalogue	<p>WOA-0002- RECCo-Cosmetic Change</p> <p>WOA-0010- RECCo-Cosmetic Change</p> <p>WOA-0011- RECCo-Cosmetic Change</p> <p>WOA-0053- Power Data Associates- Cosmetic Change</p> <p>WOA-0076- Elexon-Cosmetic Change</p> <p>WOA-0101- British Gas-Cosmetic Change</p> <p>WOA-0103- British Gas-Cosmetic Change</p>	<p>Objection Raised</p> <p>OBJ-053/T 4-COM-1825- Power Data Associates</p> <p>Description: Remove EZ name as irrelevant data leading to massive quantities of unnecessary data G106passing over the DIP, at a cost to someone. Also may contradict the DIP ID of sender leading to potential additional validation expectation</p> <p>Working Group Meeting 14/12/2022 Constituency views:</p> <p>Independent Agents (Power Data Associates/Callisto)- Preference expressed to remove EZ Name from the design</p> <p>Central Parties- Elexon confirmed that they are supportive of removing but not impacted. RECCo raised concerns around where the data item would be governed if remaining in the design.</p> <p>Large Supplier- npower Business Solutions agreed the data item is redundant and should be removed</p> <p>No other constituency views were expressed in support and no objections were raised to the views presented.</p>

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-035-Logical Data Model	Update Logical Data Model following updates to interfaces derived from latter stages of comment review / objections	Propose Closed-Artefact(s) updated	Logical Data Model updated to align with revised Interface Catalogue	MHHSP-DES052- Logical Data Model		
D-036-ECS Report Refinement	<p>Expect a further release of ECS reporting following processing of feedback. To include:</p> <ul style="list-style-type: none"> - Corrections to remove inconsistencies between Data Catalogue, Interface Catalogue and ECS Reporting documents - Consider rationalisation and consolidation of Data Catalogues with a consistent set of data attributes - All formulas should be removed from the Data Catalogue and a consistent approach to storing the attributes should be maintained between the Data Catalogue and IF Specs 	Propose Closed-Artefact(s) updated	<p>Design Artefacts updated to reflect the changes agreed with the Working Group.</p> <p>Assurance comments accepted and artefact(s) updated to reflect cosmetic changes to the Data Catalogue and the ECS Reports.</p>	<p>MHHSP - ERI011B - ECS Reports - External</p> <p>MHHSP - ERI011A - ECS Reports - Internal</p> <p>MHHSP - BPD019 - Market-wide Data Service Business Process Description</p> <p>MHHSP - BPD020 - Volume Allocation Service Business Process Description</p> <p>MHHSP - BP013 - Demand Disconnection Event</p> <p>MHHSP - BP019 - Market-wide Data Service (ECS)</p> <p>MHHSP - BP020 - Volume Allocation Service (ECS)</p> <p>MHHSP - EM021 ISD Entity Map</p>	<p>WOA-0046- RECCo-Cosmetic Change</p> <p>WOA-0048- RECCo-Cosmetic Change</p> <p>WOA-0305- Elexon-Cosmetic Change</p> <p>WOA-0306- Elexon-Clarification</p> <p>WOA-0308- Elexon-Clarification</p> <p>WOA-0309- Elexon-Cosmetic Change</p> <p>WOA-0310- Elexon-Cosmetic Change</p> <p>WOA-0311- Elexon-Cosmetic Change</p> <p>WOA-0312- Elexon-Cosmetic Change</p> <p>WOA-0313- Elexon-Cosmetic Change</p> <p>WOA-0314- Elexon-Cosmetic Change</p> <p>WOA-0315- Elexon-Clarification</p> <p>WOA-0316- Elexon-Cosmetic Change</p> <p>WOA-0317- Rejected- Low Materiality</p>	<p>Working Group Meeting 28/11/2022 Decision: The Working Group agreed for the artefacts to be updated as per the actions raised and re-present for further discussion.</p> <p>Working Group Meeting 05/12/2022 Decision: Proposed updates to the ECS Internal Reports and ECS External Reports agreed by the Working Group.</p> <p>Sub-Working Group Meeting 12/12/2022 Decision: Proposed updates to the ECS Internal Reports and ECS External Reports agreed by the Working Group.</p>

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-037- Annual Consumption & DPI Clarification	<p>Definition of DI837 within IF031 to be amended to reflect the definition in the data catalogue.</p> <p>Definition of DI838 to reference Supplier Proposed Consent.</p> <p>Supplier requirements overview (RS-014.1) updated to reference Proposed DPI rather than DPI</p> <p>Align interface spec to the Method Statement – Consumption Quality Indicator does not match Method Statement section 4</p> <p>Align requirements in Annual Consumption BRS with the MDS BRS- consider consolidating the artefacts</p> <p>Confirm position on Data Classification and GDPR compliance</p>	Propose Closed- Artefact(s) updated	<p>Design Artefacts updated to reflect changes for annual consumption and domestic premise indicator</p> <p>No further comments received as part of Assurance Review</p>	MHHSP- DES138-Interface Catalogue- IF-031, IF-032, IF-033, IF-034, IF-035, IF040 MHHSP-BRS004-Supplier Requirements Overview		
D-039- Consent Granularity in Unmetered Segment	<p>Confirm validation rules with regard to Consent Granularity in Unmetered segment</p> <p>If no validation rule, further discussion required to agree solution</p>	Propose Closed- Artefact(s) updated	<p>Design Artefacts updated to reflect agreed validation rules with regard to Consent Granularity in the Unmetered Segment.</p> <p>No further comments received as part of Assurance Review</p>	MHHSP - EDI021 ISD Entities		Clarification Statement issued for offline review 07/12/2022

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact (s) Updated	Assurance Comments	Related History
D-040- Define format of consumption and reading data items	<p>Defining all consumption and reading data items as string types in the interface specifications.</p> <p>Half-hourly consumption data should be recorded in units of Wh not kWh.</p> <p>Smart register reads and smart cumulative reads should be recorded in kWh not Wh.</p> <p>Readings padded with leading and trailing zeros</p>	Propose Closed-Artefact(s) updated	<p>The agreed position is that 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.</p> <p>This is the position reflected across all of the MHHS design documentation.</p> <p>Note: Transactional interfaces only contain kWh values. Reports may contain kWh or MWh depending on context.</p> <p>Clarification published in response to Assurance comments</p>	<p>MHHSP - ERI011B - ECS Reports - External</p> <p>MHHSP - ERI011A - ECS Reports - Internal</p> <p>MHHSP-DES138-Interface Catalogue</p>	<p>WOA-0061- Power Data Associates- Clarification</p> <p>WOA-0080- UK Power Distribution- Clarification</p> <p>WOA-0299- Elexon-Clarification</p>	<p>Clarification Statement issued for offline review 07/12/2022</p> <p>No comments received</p>
D-041- Elexon Central Systems DIP Role Codes	<p>Clarify position around single or multiple DIP Role Codes for Elexon Central Services (LSS, MDS, VAS)</p>	Propose Closed-Artefact(s) updated	<p>Clarification statement was issued on 18th November for Offline Review.</p> <p>Within the DIP each participant will have their own Identifier and Role Code combination(s), each of these combinations will effectively represent a logical DIP Delivery Point.</p> <p>Therefore, outbound traffic from each ECS Service will be denoted as originating from LSS, MDS, VAS and ISD. So when LSS, MDS, VAS and ISD issue interfaces/reports to the DIP then have their own identifier, i.e. LSS, MDS, VAS and ISD.</p> <p>The Helix Team have suggested that in some circumstances, for example with Consumption Data, that they would only want to have the data delivered 'once', rather than receiving two copies of the same data for "Load Shaping Service (LSS)", and again for "Market-wideData Service (MDS)".</p> <p>Therefore, reference "Elexon Central Services (ECS)" has been adopted, within the current design documentation, so as to represent the 'single' delivery point for data inbound to ECS Services.</p> <p>N.B. The exact low level detail around DIP Routing, End Points and the nomenclature around DIP configuration will be further revisited as part of DIP Detailed Design.</p> <p>Clarification published in response to Assurance comments</p>	<p>MHHSP - ERI011B - ECS Reports - External</p>	<p>WOA-0307- Elexon-Clarification</p>	<p>Clarification Statement issued for offline review 18/11/2022</p> <p>Comments received from Power Data Associates- statement amended and re-issued</p> <p>No further comments received</p>

M5 Work Off Plan Progress Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-042- ISD Entities	Update ISD Entities M10 and M11 Cosmetic correction with regard to style of bracket	Propose Closed- Artefact(s) updated	Design Artefact updated with corrections to ISD Entities M10 and M11 Assurance comments accepted and artefacts updated to reflect cosmetic changes to the ISD Entities	MHHSP - EDI021 ISD Entities	WOA-0069- Elexon-Cosmetic Change WOA-0070- Elexon-Cosmetic Change WOA-0071- Elexon-Cosmetic Change WOA-0072- Elexon-Cosmetic Change WOA-0073- Elexon-Cosmetic Change WOA-0074- Elexon-Cosmetic Change	
D-043- LSS Annual Rolling Total	Confirm position with regard to the following: Elexon (Helix) assumption is that when we go live we won't have the data to calculate the Annual rolling total until the end of first year, and that until the end of transition it will be an arbitrary figure based only on the volumes of the meters that have been migrated. How should the value be calculated/represented until then? Go Live + 365 and End of Transition + 365	Propose Closed- Artefact(s) updated	Design Artefacts updated to reflect changes agreed with the Working Group with regard to the annual load shape total. No further comments received as part of Assurance Review	MHHSP- DES138-Interface Catalogue-IF-023 MHHSP - BRS007 - Load Shaping Service Requirements (ECS) MHHSP - METH005 LSS Method Statement		Working Group Meeting 05/12/2022 Decision: Agreed to recommend Option 1- Simple extrapolation- changes to be incorporated into LSS Requirements and LSS Method Statement
D-044- Settlement Period Data Format	Assess the impact of the removal of the "Settlement Period ID", "Settlement Date" and "Settlement Period Label" attributes on CDCA processes and systems Confirm whether "Settlement Period ID" should be mastered in ISD Standardise terms "Settlement Period", "Settlement Period ID", "Settlement Period Label"	Propose Closed- Artefact(s) updated	Design Artefacts updated with changes agreed by the Working Group to incorporate ISD entities approach for Settlement Period INT(3) in DIP reports and Settlement Period ID INT(2) for DTN and Elexon internal reports	MHHSP - ERI011B - ECS Reports - External MHHSP - EDI021 ISD Entities	WOA-0015- RECCo-Clarification	Working Group Meeting 28/11/2022 Decision: The Working Group agreed with the recommendations.(as per slide 28 of the Meeting Papers)

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-046- Minor Corrections- Interfaces	IF-007 is described in the index as from MSS, MSA & LDSO. In the IF-007 tab it is only from MSS & MSA - yet in both places it should be also shown as sent from UMSO. To enable the UMSO can set the energisation status. There should be no reference to this coming from LDSO	Propose Closed- Artefact(s) updated	Design Artefact updated to include UMSO as a sending party No further comments received as part of Assurance Review	MHHSP- DES138-Interface Catalogue- IF-007		
D-047- Minor Corrections- Interfaces	IF-033, and probably others have DI-035 Energy Direction and DI-127 Metered Indicator owned by the Registration Service - this is incorrect, they are owned by the LDSO. Also DI-127 is a Boolean value not a string I would also suggest that the LDSO owns the data items DI-038 and DI-151 linking an import and export MPAN.	Propose Closed- Artefact(s) updated	Design Artefacts updated to reflect LDSO ownership Assurance comments accepted and artefact updated to reflect the correct valid set against DI-127	MHHSP- DES138-Interface Catalogue- IF-001, IF-002, IF-018, IF-033, IF-036, IF-043, IF-044	WOA-0063- Power Data Associates- Cosmetic Change	
D-049- Minor Corrections- Interfaces	DCC enrolment is reported from the DSP to Registrations and is notified in IF018 so should not be in IF025. The Supplier does not tell the Registration Service what this flag should be, therefore there is no requirement for it to be included in IF025. Note, this has already been removed from the IF026.	Propose Closed- Artefact(s) updated	Design Artefact updated to remove DCC Enrolment as an option from IF-025 No further comments received as part of Assurance Review	MHHSP- DES138-Interface Catalogue- IF-025		
D-051- Minor Corrections- Interfaces	Amend CSS Switch Id to Registration Request Id (DI 90050 in the Energy Market Data Spec) ** 90050 is not correct - clarify with St Clements **	Propose Closed- Artefact(s) updated	Design Artefact updated to reflect CSS Registration Request ID in all occurrences of B013 and DI-849 Assurance comments accepted and artefacts updated to reflect cosmetic changes to the Data Catalogue	MHHSP- DES138-Interface Catalogue- B013 & DI-849	WOA-0014- RECCo- Cosmetic Change	
D-052- Minor Corrections- Interfaces	Update interface to the MS to the IF035 rather than the IF025	Propose Closed- Artefact(s) updated	Design Artefact updated to reflect PUB-035 No further comments received as part of Assurance Review	MHHSP-BP002-Change of Service - Metering Service MHHSP-DES138-Interface Catalogue		

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-053- Minor Corrections- Interfaces	Clarify the setting of the Customer Direct Flag Review output of Dissensus session and align to documentation	Propose Closed- Artefact(s) updated	Design Artefacts updated to reflect requirements to set the Customer Direct Contract flag Assurance comments accepted and artefacts updated to align business process and interface definitions	MHHSP-BP002-Change of Service - Metering Service MHHSP-BP003-Change of Service - Data Service MHHSP-DES138-Interface Catalogue	WOA-0012- RECCo- Cosmetic Change WOA-0013- RECCo- Cosmetic Change	
D-055- Minor Corrections- Business Process & Requirements	Review BPM and clarify position regarding the following: - Incorrect interface at step 30 - should be CSS00400 used to update the CSS of an amended MPL address	Propose Closed- Artefact(s) updated	Design Artefact amended to update label No further comments received as part of Assurance Review	MHHSP-BP010-Change of Registration Data		
D-056- Minor Corrections- Interfaces	Confirm rationale for IF033 block definition noting challenge regarding consistency with the rest of the design structure	Propose Closed- Artefact(s) updated	Design Artefacts updated to ensure alignment No further comments received as part of Assurance Review	MHHSP-DES138-Interface Catalogue MHHS-E2E003- Physical Interface Specifications		
D-057- Minor Corrections- Interfaces	Registration ID to be updated to Mandatory rather than Optional for PUBs sent to the Registration Service	Propose Closed- Artefact(s) updated	Design Artefact updated to change CSS Registration Request ID to Mandatory No further comments received as part of Assurance Review	MHHSP- DES138-Interface Catalogue- B013 (DI-849)		
D-059- Minor Corrections- Interfaces	Update IF021 to include clarification note for identification of import and export data	Propose Closed- Artefact(s) updated	Design Artefact updated to clarify that AI and RI should be used for Import MPANs only, AE and RE should be used for Export MPANs only Assurance comments accepted and artefacts updated to reflect that The RI & RE can appear on both the import and export MPANs.	MHHSP- DES138-Interface Catalogue- IF-021	WOA-0067- Power Data Associates- Cosmetic Change	
D-060- Minor Corrections- Interfaces	Update IF021 to clarify position for Unmetered segment	Propose Closed- Artefact(s) updated	Design Artefact updated to confirm that DI-979 will only be R as IF-014 is only for rejected data. No further comments received as part of Assurance Review	MHHSP- DES138-Interface Catalogue- IF-014		

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-062- Minor Corrections- Interfaces	<ul style="list-style-type: none"> o Interface 1: "DI-822 Current Data Service DIP EZ Name" shows as String 50, but Data Catalogue shows as String 10 o Interface 1: "DI-138 Associated Import/Export MPAN" maps to "DI-138 Customer Direct Contract DS DIP ID" in the Data Catalogue o Interfaces 1, 2: "DI-021 Customer Direct Contract Metering Service" shows as String 1, but Data Catalogue shows as Boolean 1 o Interfaces 1, 2: "DI-022 Customer Direct Contract Data Service" shows as String 1, but Data Catalogue shows as Boolean 1 o Interfaces 1, 2, 25, 26, 33, 36: "DI-122 Profile Class" shows as String 2, but Data Catalogue shows as Integer 2 o Interfaces 1, 2, 39: "DI-139 Customer Direct Contract Data Service DIP EZ Name" shows as String 50, but Data Catalogue shows as String 10 o Interfaces 1, 18, 36: "DI-032 Domestic Premise Indicator Effective From Date" shows as String 25, but Data Catalogue shows as Boolean 1 o Interfaces 13, 14, 16, 21: "DI-076 Estimation Reason Code" shows as String 30, but Data Catalogue shows as String 2 o Interface 18: "DI-128 DUOS Tariff ID" is showing as String 10, should be String 3. Previous comment T4-COM-0279 o Interface 22: "DI-082 UTC Period Effective To Date/Time" maps to "DI-082 Settlement Period Effective To Date/Time" in the Data Catalogue o Interface 23: "DI-030 Domestic Premise Indicator" is showing as String 1, should be Boolean. Previous comment T4-COM-0398 o Interfaces 25, 26: "DI-125SSC Effective From Date" shows as String 25, but Data Catalogue shows as String 4 o Interfaces 27, 28: "DI-162 Consumption Amendment Supplier Reference" shows as String 50, but Data Catalogue shows as String 10 o IF-021 Consumption § New Data Item "Supplier Consumption Amendment Reason Code" does not appear in the swagger Api doc § Connection Type is now obfuscated for all parties, however Helix services cannot validate that data as required in Method Statements and Interface Spec. Not sure if they should be removed as validation requirements § Energy Direction and Metered Unmetered Indicator are still on the swagger doc but not on the Logical Interface Spec 	Propose Closed- Artefact(s) updated	<p>Design Artefact updated to reflect minor changes to interfaces as per description.</p> <p>No further comments received as part of Assurance Review</p>	MHHSP- DES138- Interface Catalogue		

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-063-Minor Correction-Method Statement	Add sentence to SDS Method Statement to take into account in the calculation instances where some actual data may be available	Propose Closed-Artefact(s) updated	Design Artefact updated to reflect minor changes as per description No further comments received as part of Assurance Review	MHHSP - METH001 SDS Validation Estimation		
D-064-Minor Correction-Method Statement	Amend the text in 7.12 of the UMISO Method Statement to remove "Where possible" The UMISO should always send a D0388	Propose Closed-Artefact(s) updated	Design Artefact updated to reflect minor changes as per description No further comments received as part of Assurance Review	MHHSP - METH004 UMISO EM Functions MHHSP - METH009 UMISO Method Statement		
D-065-Minor Correction-Method Statement	Update VAS Method Statement to reflect the following: 3,27 is not required as SAA do not require data at CCC level	Propose Closed-Artefact(s) updated	Design Artefact updated to reflect minor changes as per description No further comments received as part of Assurance Review	MHHSP - ERI011A - ECS Reports - Internal MHHSP - BPD013 - Demand Disconnection Event Business Process Description MHHSP - BP013 - Demand Disconnection Event MHHSP - METH006 VAS Method Statement MHHSP - METH008 DDE Method Statement		
D-066-Minor Correction-Method Statement	Update MDS Method Statement to provide clarity on the following: Re. section 4.5 in the MDS Method Statement, 'where Registration data items are provided with 'Effective From' datetimes the MDS shall take account of any changes within the Settlement Day' If a Registration Data item does not contain date/time, does MDS assume that this is from midnight? Also if the effective from time is in between a settlement period, 13:16 for example, what period do we apply the change from?	Propose Closed-Artefact(s) updated	Design Artefact updated to reflect minor changes as per description No further comments received as part of Assurance Review	MHHSP - METH007 MDS Method Statement		

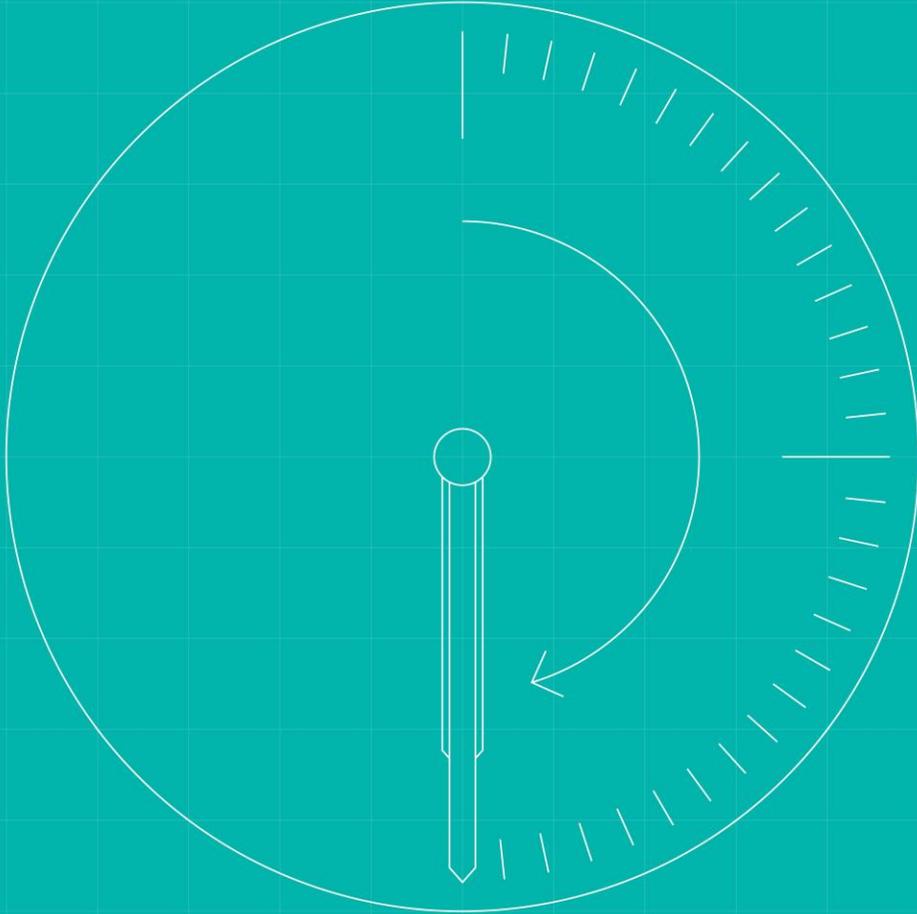
M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-067-Minor Correction- Business Process/Requirements	Update BR-DS-161- Process Override Read to remove phrasing 'under all circumstances' to allow discussion if an item is incorrect	Propose Closed-Artefact(s) updated	Design Artefact updated to reflect minor changes as per description No further comments received as part of Assurance Review	MHHSP-BRS001-Data Services		
D-068-Minor Correction- Business Process/Requirements	<p>Review BPM and clarify position on the following:</p> <ul style="list-style-type: none"> - Step 65 has the Losing Supplier recover actual reads but this doesn't appear to trigger a D0010 to the Gaining Supplier; whereas at step 80 estimated reads are sent from the Losing to Gaining Supplier if the Losing Supplier is unable to access data. We received a response that actual cumulative and register reads are sent by the old DS at step 100. - Whilst step 100 refers to the sending of register reads, these are not referenced in the subsequent steps (step 120 only refers to publishing cumulative reads). We would also expect to see the D0010 to be issued as per other steps in the MHHS design where register reads are sent - Note SU145 and 148 in the Supplier Requirements Overview document has been updated to include the sending of the actual reads by the supplier so this is now inconsistent with the BP 	Propose Closed-Artefact(s) updated	Design Artefact updated to clarify the sending of actual and estimated reads by the old Supplier. No further comments received as part of Assurance Review	MHHSP-BP003C-Transfer of Reads - Change of Data Service		

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- Design Artefact(s) Updated

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-070- Minor Correction- Business Process/Requirements	Review BPM's to clarify the position on the following: - Both the energy direction and metered / unmetered changes should be issued to the CSS in accordance with the RMP Lifecycle Schedule. This is reflected for Related MPs but not the other processes	Propose Closed- Artefact(s) updated	Design Artefacts updated to reflect energy direction and metered / unmetered changes being issued from Registration and received by CSS No further comments received as part of Assurance Review	MHHSP-BP010-Change of Registration Data MHHSP-BRS003-Registration Service		
D-071- Minor Correction- Business Process/Requirements	BP003C to be updated to remove cautionary note relating to CoS Gain Smart meter reconfiguration	Propose Closed- Artefact(s) updated	Design Artefact updated to reflect minor changes as per description No further comments received as part of Assurance Review	MHHSP-BP003C-Transfer of Reads - Change of Data Service		
D-072- Minor Correction- Business Process/Requirements	Update Operation Choreography to add clarificatory note for parties around appointment / de-appointment sequence	Propose Closed- Artefact(s) updated	Design artefacts updated to reflect handling of out of sequence appointment/de-appointment flows Assurance comments accepted and artefacts updated to ensure consistency between Operational Choreography and the Registration Service Requirements	MHHSP- DES138-Interface Catalogue-03_REG_Notes MHHSP-OPC001-Operational Choreography	WOA-0024- RECCo- Cosmetic Change	
D-073- Minor Corrections- Technical Artefacts	Update NFRs E2E1002 and E2E1003 to read 'up to average hourly volume, mean response time of x second'	Propose Closed- Artefact(s) updated	Design Artefact updated to reflect change as per the description No further comments received as part of Assurance Review	MHHS-E2E002-End to End Non Functional Requirements		
D-074- Minor Corrections- Technical Artefacts	Update the Solution Architecture to reflect the changes to the Business Processes	Propose Closed- Artefact(s) updated	Design Artefact updated to reflect changes to the Business Processes No further comments received as part of Assurance Review	MHHS-E2E001- End to End Solution Architecture		

Work Off Item Status: Propose Closed- No Change to Baseline Artefact(s)



M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- No Change to Baseline Artefact(s)

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-002- DIP SP Support of Operational Processes	Design Team feels that more clarification could be provided within the E2E Architecture document to provide more explicit information on error treatment by parties over and above the patterns described.	Propose Closed- No Change to Baseline Artefacts	Detail around error treatment presented to the Working Group for clarity Further activity to be progressed as part of DIP Detailed Design once the DIP Service Provider has been appointed. Industry engagement in detailed design activity will be communicated in due course. No further comments received as part of Assurance Review	No change to baseline Design Artefacts	None	Working Group Meeting 21/11/2022 Further detail presented to the Working Group around error treatment by parties over and above the patterns described for clarity
D-007- Provide further clarity for rationale of out of scope processes	Activity required to produce a document to provide rationale of the processes that are out of scope of MHHS with particular reference to Faults.	Propose Closed- No Change to Baseline Artefacts	Clarification Statement published detailing out of scope processes. No change required to baseline Design Artefacts No further comments received as part of Assurance Review	No change to baseline Design Artefacts	None	Clarification Statement issued for offline review 07/12/2022 No comments received
D-014- Retention of II Run	Activity required to validate the rationale for retaining the II Settlement run	Propose Closed- No Change to Baseline Artefacts	Based on the agreement reached in the Working Group that the II run should be retained through transition no changes are required to the baseline Design Artefacts No further comments received as part of Assurance Review	No change to Baseline Design Artefacts	None	Working Group Meeting 28/11/2022 Decision: The Working Group agreed that a decision is not currently required as the II Run will be needed for all of transition and for a time after the end of transition/migration
D-020- Design use of SDEP	The Working Group Position encapsulated in the Design relies upon the use of SDEP to deal with certain exceptions, this is under review by CCIAG. Design team to clarify specific SDEP use cases and communicate to CCIAG.	Propose Closed- No Change to Baseline Artefacts	The guidance document for SDEP requirements has been published and provided to the Consequential Change Impact Assessment Group for assessment. Further activity is the responsibility of RECCo / REC Parties to determine how these relevant processes are delivered.	No change to baseline Design Artefacts	WOA-0028- RECCo-Clarification	EES/SDEP Requirements issued to CCIAG 22/12/2022

M5 Work Off Plan Completion Report: Work Off Items- Propose Closed- No Change to Baseline Artefact(s)

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-023- Clarity on MDR Role	<p>Activity required to clarify the activity split between Supplier and MDR for the most likely implementation scenarios, noting that this will not be prescriptive but will provide contextual examples.</p> <p>Session to be held to clarify programme assumptions and articulate potential SDS component scenarios</p> <p>Forward action is to decide with stakeholders which scenarios are applicable and what resolution will be agreed.</p>	Propose Closed- No Change to Baseline Artefacts	<p>An overview of the implementation of the MDR Role under the MHHS TOM was presented to the Working Group for clarity.</p> <p>No changes required to baseline Design Artefacts</p>	No change to baseline Design Artefacts	WOA-0268- British Gas-Clarification	<p>Working Group Meeting 28/11/2022 Initial discussion</p> <p>Working Group Meeting 09/12/2022 An overview of the implementation of the MDR Role under the MHHS TOM was presented to the Working Group for clarity.</p>
D-029- Comms Hub information in Registration	Parties have highlighted a proposal to share the comms Hub GUID on meter installation to allow for remote re-commissioning and cross supplier commissioning where first attempt failed	Propose Closed- No Change to Baseline Artefacts	<p>As agreed in Working Group on 5th December no changes incorporated into the design to accommodate Comms Hub information in Registration on the basis that this is not an MHHS issue.</p> <p>Recommendation that this if this change is to be progressed it is raised as a potential SEC change.</p>	No change to baseline Design Artefacts	None	<p>Working Group Meeting 05/12/2022 Decision: Agreed that this is not an MHHS issue. Recommended that no changes be incorporated into the MHHS Design. Working Group recommendation is that this should be raised as a potential SEC change.</p>
D-030- Routing Recipient Definition	Further elaboration of complex secondary routing business rules to inform DIP Detailed Design	Propose Closed- No Change to Baseline Artefacts	<p>The E2E Solution Architecture document is clear on how Primary, Secondary and Always routing works.</p> <p>There are certain interfaces where it remains unclear whether primary or secondary routing is most appropriate, this will be confirmed as part of the DIP Detailed Design phase. In the meantime Primary Routing should be assumed for the purposes of design.</p>	No change to baseline Design Artefacts	WOA-0091- St Clements Services- Clarification	