



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

M5 Work Off Plan- DAG Report

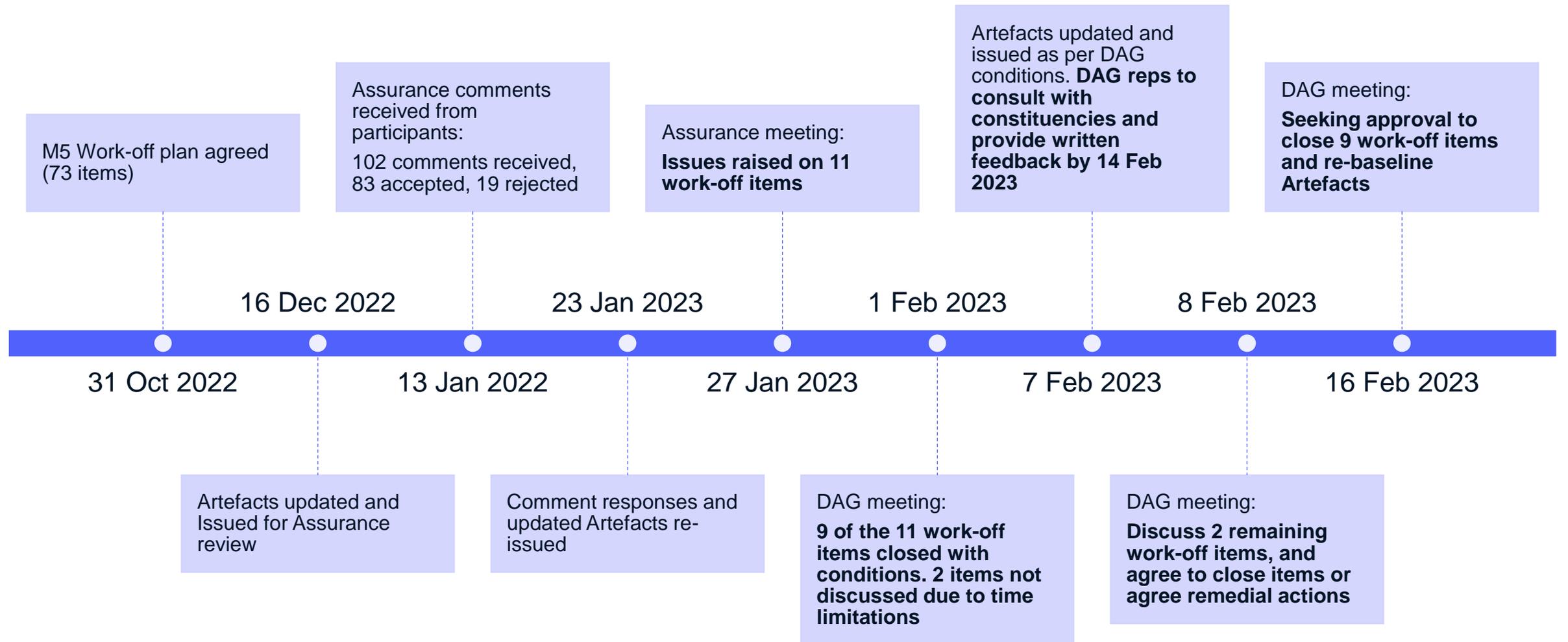
07 February 2023

Version 2.0

MHHSP-DES235

Document Classification: Public

Overview of M5 Work-Off Plan Timeline



Summary

The Design Advisory Group (DAG) requested **73** 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 following the Design Advisory Group meeting on 1 February:

- **62** Work Off items were **CLOSED** with no objection from DAG on the basis that there were no issues raised on these items at the 27 Jan 2023 Assurance meeting.
- 11 Work Off items escalated to DAG for decision:
 - DAG agreed to CLOSE 9 Work Off items dependent on conditions being met. Responses to the conditions have been included within this report (Slides 7 & 8) and updated Artefacts issued for review.

Work-off item status following the Design Advisory Group meeting on 8 February:

- **2** remaining Work Off items presented to DAG for decision:
 - DAG agreed to CLOSE both Work Off items dependent on conditions being met. Responses to the conditions have been included within this report (Slide 9).

Breakdown of the resolution of the 62 work-off items. For details see *Slides 10-39*

Status	Description	No. Work Off items
Closed- Design Artefact(s) Updated	Design Artefact(s) updated to reflect agreed changes. Assurance review comments addressed No further comments raised in Assurance meeting (27/01)	43
Closed- No Change to Baseline Artefact(s)	Agreed resolution of Work Off item resulted in no change to the Baseline Design Artefact(s) Assurance comments addressed No further comments raised in Assurance meeting (27/01)	12
Closed- Managed as CR	As per DAG decision- to be managed via the Programme Change Control process	2
Closed- Artefact(s) Issued for Review	Design Artefact(s) updated with additional changes as agreed at the Assurance meeting (27/01) Red-lined artefacts issued to DAG to confirm acceptance	5
Total		62

DAG Objective

For DAG to approve the closure of the 9 remaining M5 Baseline Work-Off items and re-baseline the full set of Design Artefacts, thus moving the design under Programme Change Control and providing stability for participant Design, Build and Test activities.

Actions on DAG

A) Please consult with your constituents on the following and provide written confirmation to PMO@mhhsprogramme.co.uk on behalf of your constituency by **12pm on Tuesday 14 February** ahead of the Extraordinary DAG on Thursday 16 February:

1. Review the responses to the conditions set by DAG on the **11 Work Off Items** (see Slides 7, 8 & 9) and confirm acceptance to close work-off items.
2. Review the changes to the [Design Artefacts](#) agreed either at the Assurance meeting on 27 January or the DAG meeting on 1 February, as detailed in the Release Note (see Slides 40-45), and confirm that the changes reflect what was agreed.
3. Confirm all Design Artefacts can be re-baselined (see Slides 47 & 48)

B) Should your constituency not agree to close the work-off plan or re-baseline the Artefacts, please provide a justification for each Work-off item or Artefact that is in question, and provide answers to the following questions:

- Is the issue of such magnitude that it justifies a delay to industry Design, Build, Test commencement; delay to SIT commencement and delay to consumer benefits.
- Does the current design meet the requirements of the Target Operating Model? If not, please explain
- Does the current design 'work'? (I.e. participants can commence Design and Build activities). If no, please answer the following:
 - Do you consider this issue an 'edge case' or a core issue?
 - Can you quantify the percentage of MPANs impacted?
 - Are the impacts across all TOM services?
 - What are the specific impacts to consumers?
- Could this issue be addressed via the Design Authority? (i.e. post the proposed re-baselining of the Artefacts)

C) Feedback received from DAG representatives will be collated and presented to DAG in the Extraordinary meeting on **Thursday 16 February** for a decision to close the M5 work-off plan and re-baseline the full set of Design Artefacts.

MHHS Programme recommendation

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

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

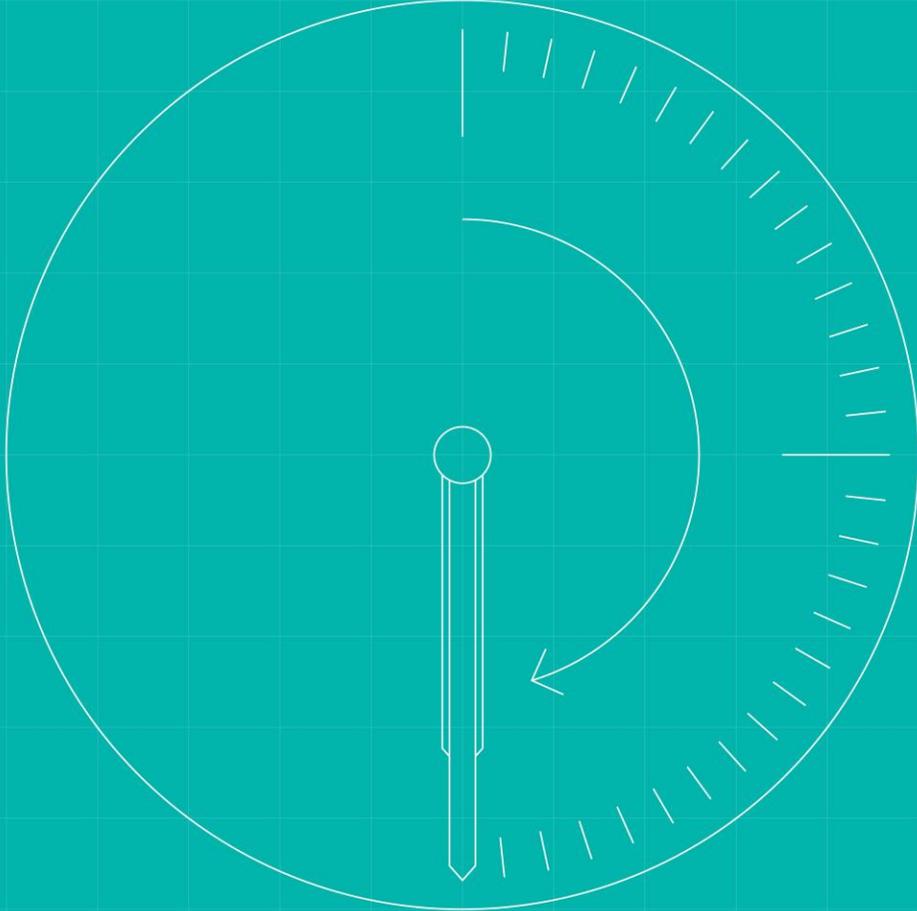
With many participants now undertaking their DBT activities it is imperative that the design development phase is concluded and the design moves into the Programme change control process. This is because any further design development work may result in rework for participants. Indeed, the large number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

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

The MHHS Programme believes that there is no material reason why the Design Development phase cannot be concluded and the Design, in its entirety, be baselined and entered into change control. The Programme would also like to thank all participants, and DAG, for their engagement and support.

Section 1: Work Off Items for Review & Approval

Note: The following slides contain the details of the 11 Work-off items that were raised in the Assurance meeting on 27 Jan 2022 and escalated to DAG for decision



Status update for Work Off Items- CLOSED with conditions- 1 February

Work Off Item	DAG 1 Feb 2023 Conditions	Resolution
D-008-Complex Site Arrangements	<ol style="list-style-type: none"> 1. Elexon representative raised minor concern regarding the need for further detailed discussion around how the ADS will access the Smart meter, noting that this is an edge case. 	<ol style="list-style-type: none"> 1. Elexon to raise a Design Issue Notification. 2. Further detailed discussion to be managed through Design Authority as agreed at the DAG meeting on 1 Feb
D-009-Rejection of MDR Notification to DCC	<ol style="list-style-type: none"> 1. RECCo and Smart DCC representatives requested visibility of the red-lined Design Artefact(s) to ensure change is accurately reflected in document 	<ol style="list-style-type: none"> 1. Herewith link to redlined artefact MHSP-BRS003-Registration Service Requirements v4.7
D-033-MPAN Linkage (Related & Import/Export)	<ol style="list-style-type: none"> 1. Large and Small Supplier representatives requested further guidance around how the process will work. 2. Elexon representative requested that the assumption that the Data Service can be split is explicitly referenced within the Design. 	<ol style="list-style-type: none"> 1. Design team to document guidance and arrange session with Suppliers 2. The assumption is covered within the Design Artefacts as follows: MHSP-BP002- Change of Service Metering Service v4.7 contains the following note: Note: Automated Alignment of Export / Related MPAN's * Appointments would only be accepted on the Import, Primary MPAN and, in the case of SMART DS, Export MPANs * Linked Export (Except Smart Data Service appointments)/ Related Secondary MPAN(s) auto de-appoint and then appoint SPs ONLY following successful appointment of Import / Primary <ul style="list-style-type: none"> • Smart Import and Export can have same MS (separate DS) / Advanced I&E AND all "Related MPANs" should have same MS & DS MHSP-BRS002-Metering Service Requirements v4.7 contains requirement BR-SU-002 which states that the SDS must be appointed by the Supplier. As such there are requirements showing the Registration Service auto appointing the same Data Service for ADS/UMSDS for Import/Export, but SDS is excluded.

Status update for Work Off Items- CLOSED with conditions- 1 February

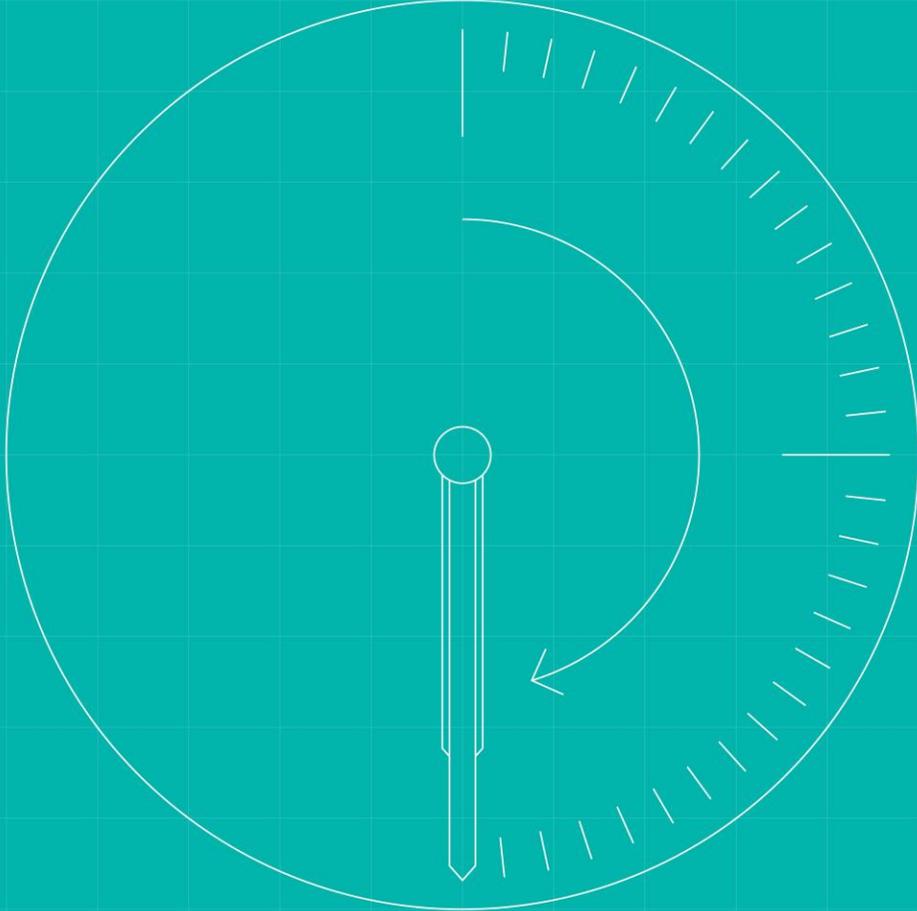
Work Off Item	DAG 1 Feb 2023 Conditions	Resolution
D-053-Minor Corrections- Interfaces	<ol style="list-style-type: none"> RECCo representative noted that the Design Artefacts do not reflect the position agreed in the Dissensus forum Update 08/02 – RECCo Representative noted that there is a remaining requirement which has not been updated in the revised Design Artefact 	<ol style="list-style-type: none"> The relevant artefacts have been updated to reflect that only the incumbent can set the Customer Direct Flag: Minor correction to update missed requirement to reflect agreed position to be added to the DA Housekeeping Log <p> MHSP-BRS001-Data Service Requirements v4.7 MHSP-BRS002- Metering Service Requirements v4.7 </p>
D-022-RMP / MPAN Status	<ol style="list-style-type: none"> High level plan for DIP Detailed Design to be published 	<ol style="list-style-type: none"> Plan for DIP Detailed Design published in PSG Papers
D-011-LLF data definition	<ol style="list-style-type: none"> Elexon representative requested confirmation that changes to the CSAD have been de-coupled from this Work Off item and whether it will be delivered through Code Drafting or Consequential Change 	<ol style="list-style-type: none"> A dependency will be 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.
D-050-Minor Corrections- Interfaces	<ol style="list-style-type: none"> Linked to D-011 	<ol style="list-style-type: none"> As per D-011 resolution
D-025-Definition of changes to DTN messages	<ol style="list-style-type: none"> RECCo representative requested clarity around governance for sign off of physical file formats and confirmation of delivery dates 	<ol style="list-style-type: none"> Confirmed that any changes to the physical file structure and format of the DTN flows will be subject to approval by DAG, as opposed to CCAG, in accordance with their responsibilities to approve system and data architecture deliverables. 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
D-034B-MPID	<ol style="list-style-type: none"> MPID to be included in all Appointment interfaces 	<ol style="list-style-type: none"> Herewith link to redlined artefact MHSP-DES138-Interface Catalogue v4.7

Status update for Work Off Items- CLOSED with conditions- 8 February

Work Off Item	DAG 8 Feb 2023 Conditions	Resolution
D-034D-Redundant data items in Unmetered Segment	<ol style="list-style-type: none"> 1. Agreed to proceed with Option 3 proposed by Independent Agent Representative to update the Method Statement to be explicit that the data items are ignored 	<ol style="list-style-type: none"> 1. MHHSP-METH004-UMSDS- EM Functions to be updated to clearly state that the values for the specific data items should be ignored. 2. Exact wording to be agreed with impacted parties ahead of Baseline decision 3. Change to be added to the DA Housekeeping Log and Artefact updated in the next Change Control Release. 4. Code Drafting to be made aware of the agreed position to be reflected within the Code Drafting activity
D-045-Unmetered Connection Type	<ol style="list-style-type: none"> 1. DAG agreed that no change be made to the Design Artefacts on the basis of the need for wider impact assessment and the amount of work required to implement the change 	<ol style="list-style-type: none"> 1. Metered Indicator to be included in the list of data items explicitly stated in the update to the UMSDS Method Statement (D-034D). 2. Participant to raise Design Issue via Design Authority to progress change further if required

Section 2: Work Off Item Resolution Summary

Note: The following slides contain the details and resolution summary of all the the 62 Work-off items 2023



M5 Work Off Plan Completion Report: Status Report

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 Arcitecture, & Interface specs to incorporate EES/ECOES	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-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.	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-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.	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)	None	Working Group Meeting 28/11/2022 Decision: The Working Group recommended the amendments that had been made to the artefacts
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	Closed-Artefact(s) Updated	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 EES 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

M5 Work Off Plan Completion Report: Status Report

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
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.	Closed- No Change to Baseline Artefacts	<p>Clarification Statement published detailing out of scope processes.</p> <p>No change required to baseline Design Artefacts</p> <p>No further comments received as part of Assurance Review</p>	No change to baseline Design Artefacts	None	<p>Clarification Statement issued for offline review 07/12/2022</p> <p>No comments received</p>
D-008-Complex Site Arrangements	<p>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</p> <p>Participants have flagged certain complex metering arrangements that were understood not to be possible.</p> <p>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</p> <p>Assessment to validate that these scenarios physically exist and are permitted</p> <p>Assess impact on existing design</p>	Closed with Conditions (DAG)	<p>Design Artefacts updated to reflect that Change or Market Segment can be triggered by an update to related MPAN relationships</p> <p>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</p> <p>Additional Supplier requirement added to reflect that that where the complex site arrangement is cross segment the SDS and ADS roles must be performed by the same organization.</p> <p>It is not believed that this proposal introduces any new constraints on the industry as there is already a precedent set under the current arrangements regarding HH and NHH, as defined in BSCP502.</p>	<p>MHHS-P-BRS003-Registration Service</p> <p>MHHS-P-BP011B-Manage Market Segment (Registration Automation)</p> <p>MHHS-P-BP010-Change of Registration Data</p> <p>MHHS-P-BRS004- Supplier Requirements Overview</p>	WOA-0078- Elexon-Clarification	<p>Working Group Meeting 05/12/2022</p> <p>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.</p> <p>Assurance Meeting 27/01/2023</p> <p>Elexon (Central Party) highlighted a potential gap in the design that had not previously been raised with the Working Group concerning the fact that there are no requirements for the Smart Data Service to pass data from DCC to the Advanced Data Service in the case of mixed Smart and Advanced complex site arrangements. National Grid ESO (Central Party) noted that there is a potential impact on P441 which will need to be understood and may lead to a future CR.</p> <p>DAG Meeting 01/02/2023</p> <p>Elexon Representative- support closure of Work Off item. Minor concern raised around detail of how the ADS will access the Smart Meter. Noted this is an edge case. Elexon to raise a Design Issue Notification to progress further detailed design discussion through DA.</p> <p>Future DA discussions to include the potential impact of P441.</p>

M5 Work Off Plan Completion Report: Status Report

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-009-Rejection of MDR Notification to DCC	<p>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</p> <p>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</p> <p>NB Decision Session at the beginning of December</p> <p>Current BP & requirements implies that all CSS updates will receive error message when only in fact will this be generated for the DSP update</p>	Closed with Conditions (DAG)	<p>Design Artefacts updated in line with R044 change to reflect MDR updates sent to CSS</p> <p>Assurance comments accepted and artefacts updated</p> <p>Registration Service Requiements updated to remove reference to sequencing</p>	MHHSP-BRS003-Registration Service Requirements MHHSP-BP003A-CSS and DCC Update	<p>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</p>	<p>Assurance Meeting 27/01/2023 St Clements Services noted that they had confirmation from RECCo that their understanding is in alignment with R044 and requested MHHS requirements are updated accordingly. RECCo confirmed that they are comfortable with the change</p> <p>DAG Meeting 01/02/2023 RECCo Representative and Smart DCC Representative requested visibility of the revised Design Artefacts to confirm closure of Work Off item.</p>
D-010A-New Connections Choreography	Operational Choreography to be updated to reflect New Connections	Closed- No Change to Baseline Artefacts	<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	<p>WOA-0023- RECCo- Rejected- Scope WOA-0087- St Clements Services- Rejected- Scope</p>	<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>

M5 Work Off Plan Completion Report: Status Report

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>	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</p> <p>MHHSP- DES138-Interface Catalogue- IF-002</p> <p>MHHSP-BRS003-Registration Service</p> <p>MHHSP-BRS002-Metering Services</p> <p>MHHSP-BRS005-LDSO Requirements Overview</p>	<p>WOA-0007- RECCo-Cosmetic Change</p> <p>WOA-008- RECCo-Cosmetic Change</p>	<p>Working Group Meeting 09/12/2022</p> <p>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>	Closed with Conditions (DAG)	<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>Clarification Statement issued confirming that the intention is that <i>the physical data item that is the J0147 today</i> will serve as the DUoS Tariff Id for that metering system in the MHHS arrangements.</p> <p>MHHSP therefore proposes to introduce DUoS Tariff Id as an alias/pseudonym of the J0147 at MHHS go-live so that it can be referred to either depending on usage or context.</p>	MHHSP - EDI021 ISD Entities	<p>WOA-0058- Power Data Associates-Clarification</p> <p>WOA-0068- Elexon-Clarification</p> <p>WOA-0295- BUUK-Clarification</p>	<p>Working Group Meeting 12/12/2022</p> <p>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> <p>DAG Meeting 01/02/2023</p> <p>Elexon Representative noted that the inclusion on CSAD is missing from the Clarification Statement and requested confirmation that this has been de-coupled and will be delivered through Code Drafting.</p> <p>Large Supplier Representative supported closure of the Work Off item on the basis that remaining activity is in the remit of Code Drafting</p>

M5 Work Off Plan Completion Report: Status Report

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	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.</p> <p>Assurance comment rejected as D-012 has been removed from the M5 Work Off Plan</p> <p>CR015 submitted by the Large Supplier constituency.</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>

M5 Work Off Plan Completion Report: Status Report

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
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>	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.</p> <p>Revised CR submitted by LDSO Constituency.</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> <p>Assurance Meeting 27/01/2023 Catherine Duggan- Electricity North West (DNO Constituency) challenged that the Work-Off Plan is complete with regard to item D-013 stating that the draft CR provided by the programme is not fit for purpose and does not accurately reflect the situation. LDSO constituency are drafting an alternative CR requesting that the Operational Choreography design artefact be updated to clarify the requirements and align with the REC stating that the LDSO are only required to send DIP messages within 60 minutes of receipt as per current ERDS operating hours. Alternative approach option is also included for the Programme to conduct a full cost benefit impact assessment and present to PSG for decision in March. LDSO constituency believe that the only baselined document is the TOM and that changes to operating hours are not baselined within the TOM as confirmed by Rachel Clarke (Ofgem), therefore it is not appropriate for the Programme to dictate operating hours. CR to be re-named to Registration DIP Messaging Processing Times and submitted on Tuesday 31st January.</p> <p>DAG Meeting 01/02/2023 DNO Representative confirmed that CR has been raised and is awaiting approval by Change Board Independent Agent Representative raised concerns that the revised CR may not cover all industry requirements. CR to be circulated to DAG for review. Further activity to be managed through Programme Change Request process.</p>

M5 Work Off Plan Completion Report: Status Report

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-014-Retention of II Run	Activity required to validate the rationale for retaining the II Settlement run	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-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	Closed- Artefact(s) Updated	Design Artefacts updated to reflect Claification Statement issued on 7th December No change to Design Baseline requirements for VAS of maximum of 14 settlement runs per Working Day The MDS and VAS must carry out up to 14 Runs per Working Day LSS is performed on Calendar Day basis, so 1 run per Calendar Day, noting requirement to perform re-runs Assurance comments accepted and artefacts updated to add requirement for MDS.	MHHSP - BRS008 – Market-wide Data Service Requirements (ECS) MHHSP - BRS009 - Volume Allocation Service Requirements (ECS) MHHS-E2E002- End to End Non Functional Requirements	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	Closed- Artefact(s) Updated	Design Artefact updated to remove mapping from table No further comments received as part of Assurance Review	MHHSP - EDI021 ISD Entities	None	
D-019-IF005 User Guide & Examples	Activity required to produce a User Guide and examples for IF005 to provide additional clarify. Confirm whether this is a new Design Artefact or a document within enduring knowledge management	Closed- Artefact(s) Updated	IF-005 Guidance Document issued for Assurance Review Requirement added (RS-108.1) on meter history updates with reference to the IF-005 guidance document	MHHSP-BRS003-Registration Service	WOA-0093- St Clements Services- Clarification	

M5 Work Off Plan Completion Report: Status Report

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
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.	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
D-021-L1-L4 Error Code Definition	Further elaboration of error codes to be undertaken	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-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)	Closed with Conditions (DAG)	Design Artefacts updated to reflect update of MP/RMP status on initial Data Service Appointment Assurance comments accepted and artefacts updated 1 comment rejected as requesting a change to the design agreed by the Working Groups High level plan for DIP Detailed Design published.	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	Assurance Meeting 27/01/2023 St Clements Services requested clarity around the timelines for DIP Detailed Design

M5 Work Off Plan Completion Report: Status Report

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>	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-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	Closed- Artefact(s) issued for review	Design Artefacts updated to reflect provision of D0388 by UMSO on Change of Data Service Requirement added to Metering Service BRS to cover UMSO issuing the D0388 following a confirmed Data Service appointment	MHHSP-BP003-Change of Service - Data Service MHHSP-BPD003-Change of Service - Data Service MHHSP- BRS002- Metering Service Requirements	WOA-0052- Power Data Associates- Clarification	
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>	Closed with Conditions (DAG)	<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> <p>Remaining activity to be completed within the Code Drafting Workstream and prioritised in first tranche of activity</p>	No change to baseline Design Artefacts	WOA-0025- RECCo- Clarification WOA-0059- Power Data Associates- Clarification WOA-0090- St Clements Services- Clarification WOA-0098- British Gas- Clarification	<p>Joint Consultation Paper issued by MHHS Programme & RECCo 05/12/2022</p> <p>DAG Meeting 01/02/2023 RECCo Representative supported closure of Work Off Item subject to clarity around governance for sign off of physical file formats and confirmation of delivery dates</p>

M5 Work Off Plan Completion Report: Status Report

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-027-Advanced SSC/TPR Provision	<p>Activity required to discuss potential requirement for SSC/TPR transfer mechanism</p> <p>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.</p> <p>Flows to be considered: D0149/D0150/D0268</p>	Closed-Artefact(s) Updated	<p>Design Artefact updated to show SSC/Profile Class as optional for Smart/Advanced meters.</p> <p>Assurance comments accepted and artefacts updated with cosmetic changes to include missing population rules for event codes SSC and Profile Class</p>	<p>MHHSP- DES138-Interface Catalogue- IF-025 and IF-026 (B-032) 03_REG_Notes</p>	<p>WOA-0253- British Gas- Cosmetic Change WOA-0254- British Gas- Cosmetic Change WOA-0255- British Gas- Cosmetic Change</p>	<p>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</p> <p>Confirmed that the D0313 flow will no longer be required</p>
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>	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>	MHHSP - EDI021 ISD Entities	None	<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>

M5 Work Off Plan Completion Report: Status Report

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
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	Closed- No Change to Baseline Artefacts	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. Recommendation that this if this change is to be progressed it is raised as a potential SEC change.	No change to baseline Design Artefacts	None	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.
D-030-Routing Recipient Definition	Further elaboration of complex secondary routing business rules to inform DIP Detailed Design	Closed- No Change to Baseline Artefacts	The E2E Solution Architecture document is clear on how Primary, Secondary and Always routing works. 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.	No change to baseline Design Artefacts	WOA-0091- St Clements Services-Clarification	
D-031-Outage management and maintenance	Activity required to confirm operational procedures for outage management and maintenance. Discussion required to ensure alignment with other core industry systems	Closed- No Change to Baseline Artefacts	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 No further comments received as part of Assurance Review		None	
D-032-Message volumetrics update	Existing volumetric set to be reviewed and updated. Noting the following position from RECCo: 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	Closed- Artefact(s) Updated	Volumetrics Model updated and issued for assurance review Non Functional Requirements updated to reflect changes No further comments received as part of Assurance Review	MHHS-E2E002-End to End Non Functional Requirements	None	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

M5 Work Off Plan Completion Report: Status Report

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>	Closed with Conditions (DAG)	<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>Confirmed that the design assumption that the Data Service can be split is correct. The intention is to split the requirement for Smart meters in the Code Drafting for Section J to remove the restraint.</p> <p>Confirmed that the design does not seek to change the current industry processes around the creation of relationships for linked import/export. Reference to CSS treating import/export switches contained in MHHSP-BP001- Change of Supplier removed.</p> <p>Further clarification included in the Interface Notes to reflect that where there are multiple Related Import MPANs, the Export MPAN will only be linked with the Primary MPAN in the relationship</p>	<p>MHHSP-BP010-Change of Registration Data</p> <p>MHHSP- DES138-Interface Catalogue</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>MHHSP- BP001- Change of Supplier</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>	<p>Assurance Meeting 27/01/2023</p> <p>Ovo requested further clarity around how the process will work. Elexon noted that the Business Process Diagram indicates that a Data Service can be split, which is not the case under the current arrangements.</p> <p>British Gas noted that CSS do not do anything with linked MPANs today and asked for confirmation around whether this is changing. RECCo requested a statement be added to the Design Artefacts to provide further clarity</p> <p>DAG meeting 01/02/2023</p> <p>Large Supplier Representative stated that the process is not clear and a new process is needed therefore the Work Off item should not be closed.</p> <p>Small Supplier Representative stated that there is no evidence provided to support not closing the Work Off item, but requested a focus session and further guidance to be provided by the programme.</p> <p>Elexon Representative stated that they are supportive of the change but noted that it is not explicit within the design and requested further clarification be added.</p>

M5 Work Off Plan Completion Report: Status Report

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
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	Closed- No Change to Baseline Artefacts	<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>Clarification Statement published confirming codes:</p> <ul style="list-style-type: none"> N Smart Data Service O Advanced Data Service Q UMS Data Service S Meter Equipment Manager (Smart) T Meter Equipment Manager (Advanced) 	No change to baseline Design Artefacts	WOA-0060- Power Data Associates- Clarification	<p>Working Group Meeting 14/12/2022 Decision: Separate role codes are required for each new MHHS Service. Key Actions: Further activity required to identify and allocate specific role codes</p> <p>Clarification Statement issued 31/01/2022</p> <p>DAG Meeting 01/02/2023 DAG support closure of the Work Off item following circulation of the Clarification Statement.</p>

M5 Work Off Plan Completion Report: Status Report

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	Closed with Conditions (DAG)	<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>General consensus from industry parties to include the MPID in the message body of the DIP flows challenged by the Programme on the basis of poor technical design and the risk of future technical debt.</p> <p>Alternate proposal submitted by Elexon to include the Supplier Id in IF-001 only in order to mitigate specific settlement risk.</p> <p>Escalated to DAG for decision- Decision to include MPID in the message body for all appointment flows.</p> <p>Artefacts updated to reflect position agreed by DAG</p>	MHHSP-DES138- Interface Catalogue MHHS-E2E003-Physical Interface Specifications	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.</p> <p>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.</p> <p>Assurance Comments: WOA-0009 – RECCo & WOA-0075- Elexon Elexon- Potential to raise CR if the change is not incorporated into the Design</p> <p>Assurance Meeting 27/01/2023 Elexon (Central Party) challenged the rejection rationale on the basis of impact to technical design and proposed an alternative option to include the Supplier ID within IF-001, noting that while Elexon believe that including the MPID in all flows is the right thing to do, this would mitigate the specific risk to settlement. RECCo supported this position.</p> <p>DAG Meeting 01/02/2023 Decision: Option 3- MPID to be included in all Appointment Flows.</p>

M5 Work Off Plan Completion Report: Status Report

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-034C-EZ Name	Confirm rationale for use of EZnames	Closed- Artefact(s) issued for review	<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 recieved from a number of parties requesting EZ Name be removed from the design on the baisis 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 MHHSP- EDI021- ISD Entities	<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 OBJ-053/T 4-COM-1825- Power Data Associates 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: Independent Agents (Power Data Associates/Callisto)- Preference expressed to remove EZ Name from the design 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. Large Supplier- npower Business Solutions agreed the data item is redundant and should be removed No other constituency views were expressed in support and no objections were raised to the views presented.</p>
D-034D- Redundant data items in Unmetered Segment	Challenge received that certain data items are not required in messages received by Unmetered Segment	Open- DAG	<p>Work Off Item D-034 split into 4 separate items</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 wider MHHS programme and the Independent Programme Assurance (IPA)</p> <p>Further justification required to enable a decison by DAG.</p>		<p>WOA-0054- Power Data Associates- Rejected- Design Principles</p>	<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: Status Report

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	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 	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: Status Report

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>	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>	<p>MHHSP- DES138-Interface Catalogue- IF-031, IF-032, IF-033, IF-034, IF-035, IF040</p> <p>MHHSP-BRS004-Supplier Requirements Overview</p>	None	

M5 Work Off Plan Completion Report: Status Report

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>	Closed-Artefact(s) Updated	<p>Design Artefact updated to include a guidance note on IF-031 DI-019/DI-020 explicitly stating 'whilst this field is described as optional, participants should note that some Service Providers may insist on/require a contract reference to be provided in order for the Appointment Request to be accepted'</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 requesting that the field be reverted to mandatory rejected on this basis</p> <p>Rejection rationale supported by the wider MHHS programme and the Independent Programme Assurance (IPA)</p> <p>Independent Agent DAG Representative confirmed agreement to the field remaining optional with the notes updated to make it clear that where a service required the use of a contract reference it would not be optional.</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 received: 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-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>	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	None	Clarification Statement issued for offline review 07/12/2022
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>	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>

M5 Work Off Plan Completion Report: Status Report

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-041-Elexon Central Systems DIP Role Codes	Clarify position around single or multiple DIP Role Codes for Elexon Central Services (LSS, MDS, VAS)	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>	MHHSP - ERI011B - ECS Reports - External	WOA-0307- Elexon-Clarification	Clarification Statement issued for offline review 18/11/2022 Comments received from Power Data Associates- statement amended and re-issued No further comments received
D-042-ISD Entities	Update ISD Entities M10 and M11 Cosmetic correction with regard to style of bracket	Closed-Artefact(s) Updated	<p>Design Artefact updated with corrections to ISD Entities M10 and M11</p> <p>Assurance comments accepted and artefacts updated to reflect cosmetic changes to the ISD Entities</p>	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	

M5 Work Off Plan Completion Report: Status Report

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-043-LSS Annual Rolling Total	<p>Confirm position with regard to the following:</p> <p>Elxon (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</p>	Closed- Artefact(s) Updated	<p>Design Artefacts updated to reflect changes agreed with the Working Group with regard to the annual load shape total.</p> <p>No further comments received as part of Assurance Review</p>	<p>MHHSP- DES138-Interface Catalogue- IF-023</p> <p>MHHSP - BRS007 - Load Shaping Service Requirements (ECS)</p> <p>MHHSP - METH005 LSS Method Statement</p>	None	<p>Working Group Meeting 05/12/2022</p> <p>Decision: Agreed to recommend Option 1- Simple extrapolation-changes to be incorporated into LSS Requirements and LSS Method Statement</p>
D-044-Settlement Period Data Format	<p>Assess the impact of the removal of the "Settlement Period ID", "Settlement Date" and "Settlement Period Label" attributes on CDCA processes and systems</p> <p>Confirm whether "Settlement Period ID" should be mastered in ISD</p> <p>Standardise terms "Settlement Period", "Settlement Period ID", "Settlement Period Label"</p>	Closed- Artefact(s) Updated	<p>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 Elxon internal reports</p>	<p>MHHSP - ERI011B - ECS Reports - External</p> <p>MHHSP - EDI021 ISD Entities</p>	WOA-0015- RECCo-Clarification	<p>Working Group Meeting 28/11/2022</p> <p>Decision: The Working Group agreed with the recommendations.(as per slide 28 of the Meeting Papers)</p>

M5 Work Off Plan Completion Report: Status Report

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-045- Unmetered Connection Type	Confirm rationale for including Unmetered Connection Type	Open- DAG	<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 requesting that the Metered Indicator be removed from the interface as it is redundant following inclusion of the Unmetered Connection Type.</p> <p>Proposed change rejected on the basis that the Metered Indicator is used by CSS in other processes and as such to remove would require wider impact assessment.</p> <p>Rejection rationale supported by wider programme and Independent Programme Assurance (IPA).</p> <p>Further justification required to enable a decision by DAG.</p>	No change to Baseline Artefact(s)	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> <p>Assurance Meeting 27/01/2023 Power Data Associates challenged rejection rationale on the basis that the comment specifically related to the removal of the Metered Indicator as the field is redundant following inclusion of the Unmetered Connection Type which introduces a risk of sending conflicting information. Noted that the risk is not easily quantified.</p>
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.	Closed- Artefact(s) Updated	<p>Design Artefact updated to include UMSO as a sending party</p> <p>No further comments received as part of Assurance Review</p>	MHHSP- DES138-Interface Catalogue- IF-007	None	
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.	Closed- Artefact(s) Updated	<p>Design Artefacts updated to reflect LDSO ownership</p> <p>Assurance comments accepted and artefact updated to reflect the correct valid set against DI-127</p>	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	

M5 Work Off Plan Completion Report: Status Report

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	Closed-Artefact(s) issued for review	Design Artefact updated to include a note to reflect that IF-041 is not required by UMSDS Assurance comments accepted and artefact updated to remove UMSDS from the to/from routing in IF-041	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-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.	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	None	
D-050-Minor Corrections-Interfaces	Provide clarity around whether DUoS Tariff Id is a new MHHS data item or a rebranded LLFC Id.	Closed with Conditions (DAG)	Clarification Statement issued confirming that the intention is that the physical data item that is the J0147 today will serve as the DUoS Tariff Id for that metering system in the MHHS arrangements. MHHSP therefore proposes to introduce DUoS Tariff Id as an alias/pseudonym of the J0147 at MHHS go-live so that it can be referred to either depending on usage or context.	No change to baseline Design Artefacts	WOA-0027- RECCo-Clarification WOA-0065- Power Data Associates-Clarification WOA-0088- St Clements Services-Clarification WOA-0180- British Gas- Clarification	Clarification statement issued for offline review 18/11/2022 Comments received from BUUK, IMServ, Northern Power Grid, Power Data Associates. Clarification Statement for D-011- LLF Data Definition and D-050 issued on 31/01/2023
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 **	Closed-Artefact(s) issued for review	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	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	None	

M5 Work Off Plan Completion Report: Status Report

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-053-Minor Corrections-Interfaces	<p>Clarify the setting of the Customer Direct Flag</p> <p>Review output of Dissensus session and align to documentation</p>	Closed with Conditions (DAG)	<p>Design Artefacts updated to remove note stating that anyone can set the Customer Direct Flag.</p> <p>Assurance comments accepted and artefacts updated to align business process and interface definitions</p> <p>Metering Service Requirements and Data Service Requirements updated to reflect that only the incumbent can set the Customer Direct Flag</p>	<p>MHHSP-BP002-Change of Service - Metering Service</p> <p>MHHSP-BP003-Change of Service - Data Service</p> <p>MHHSP-DES138-Interface Catalogue</p>	<p>WOA-0012- RECCo-Cosmetic Change</p> <p>WOA-0013- RECCo-Cosmetic Change</p>	<p>Assurance Forum 27/10/2022</p> <p>General consensus in the BPRWG that to enable a non-incumbent party to set the flag would require an additional layer of governance and that there would be little value in pursuing this Suppliers (Scottish Power, EON, Ovo, Small Supplier Representative) expressed views that only the Supplier or the incumbent Agent should be able to set the flag, noting that only the appointed Supplier for the period should be able to make retrospective changes</p> <p>Centrica proposed that only the Supplier should be able to set the flag to avoid issues with the flag being set by an incorrectly appointed agent</p> <p>No counter view provided in the group advocating for non-incumbent parties to be able to set the flag</p> <p>Assurance Forum 27/01/2022</p> <p>RECCo challenged that the statement within the Metering Service Requirements does not match the position agreed in the Assurance meeting in October, noting that this is an issue for Code Drafting.</p>
D-054-Minor Corrections-Interfaces	<p>Clarify the position around the rejection of the D0134 - RECCo assumption is that it would be done by sending a D0139 with the IF007 used for subsequent processes</p> <p>Update BP008 to include the IF Reference for Step 40, 50 and 55</p> <p>Add IF007 to the BP008</p>	Closed- No Change to Baseline Artefacts	<p>Clarification provided regarding the rejection of the D0134</p> <p>No update required to BP008 as Steps 40,45 and 55 feed into step 80 which shows IF-007 being issued by Metering Service</p> <p>No further comments received as part of Assurance Review</p>	No change to baseline Design Artefacts	None	
D-055-Minor Corrections-Business Process & Requirements	<p>Review BPM and clarify position regarding the following:</p> <p>- Incorrect interface at step 30 - should be CSS00400 used to update the CSS of an amended MPL address</p>	Closed-Artefact(s) Updated	<p>Design Artefact amended to update label</p> <p>No further comments received as part of Assurance Review</p>	MHHSP-BP010-Change of Registration Data	None	

M5 Work Off Plan Completion Report: Status Report

Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-056-Minor Corrections-Interfaces	Confirm rationale for IF033 block definition noting challenge regarding consistency with the rest of the design structure	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	None	
D-057-Minor Corrections-Interfaces	Registration ID to be updated to Mandatory rather than Optional for PUBs sent to the Registration Service	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)	None	
D-058-Minor Corrections-Interfaces	Update IF027 to reflect that it is not required by the UMDS	Closed-Artefact(s) issued for review	Design Artefact updated to add a note to clarify that there is not a requirement for UMSDS to use IF-027 Assurance comments accepted and artefact updated to remove UMSDS from the to/from routing in IF-027	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.
D-059-Minor Corrections-Interfaces	Update IF021 to include clarification note for identification of import and export data	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	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	None	
D-061-Minor Corrections-Interfaces	Corrections to versioning of interfaces	Closed- No Change to Baseline Artefacts	Clarification Statement published clarifying the versioning between the logical and physical interfaces 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 18/11/2022 Comment received from Power Data Associates noted.

M5 Work Off Plan Completion Report: Status Report

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 <ul style="list-style-type: none"> § 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 	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	None	

M5 Work Off Plan Completion Report: Status Report

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	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	None	
D-064-Minor Correction-Method Statement	Amend the text in 7.12 of the UMSO Method Statement to remove "Where possible" The UMSO should always send a D0388	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 UMSDS EM Functions MHHSP - METH009 UMSO Method Statement	None	
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	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	None	
D-066-Minor Correction-Method Statement	Update MDS Methos 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?	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	None	

M5 Work Off Plan Completion Report: Status Report

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	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	None	
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 MHS 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 	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	None	

M5 Work Off Plan Completion Report: Status Report

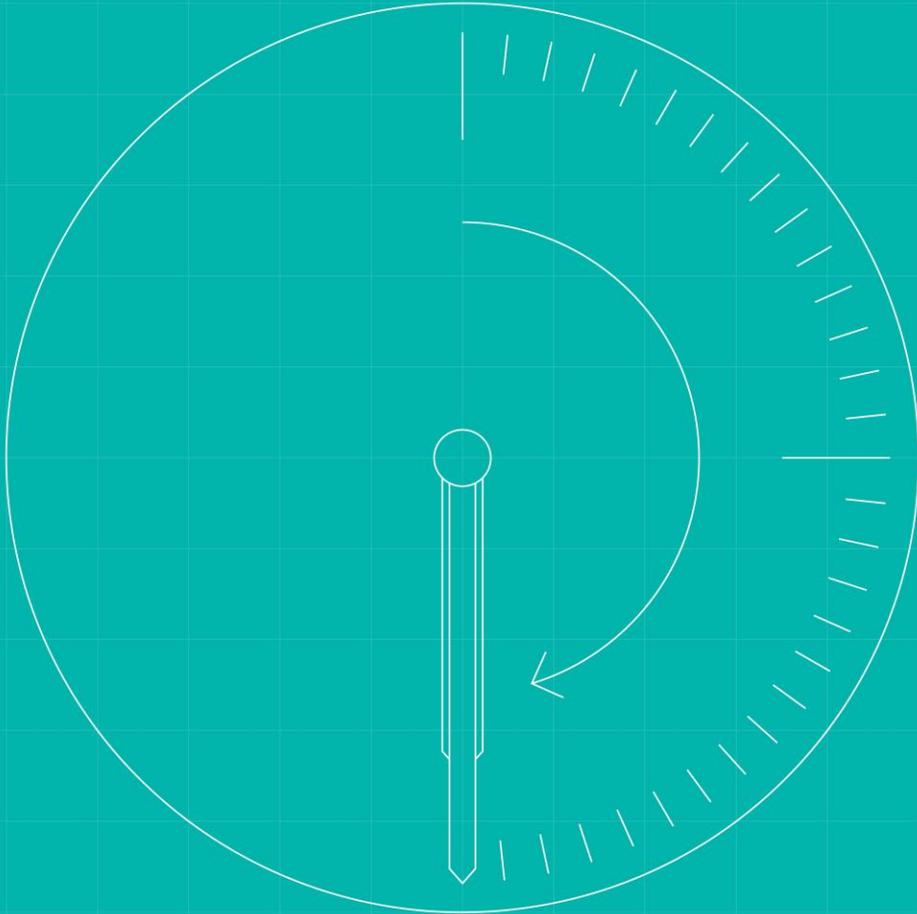
Item	Description	Status	Resolution Summary	Artefact(s) Updated	Assurance Comments	Related History
D-069-Minor Correction-Business Process/Requirements	<p>Review BPM and clarify position on the following:</p> <ul style="list-style-type: none"> - Step 115 of the BP should reference CSS interface CSS00700. - 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. - 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. - 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 	Closed-Artefact(s) Updated	<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</p>	<p>MHHSP-BP007-Disconnection MHHSP-BPD007- Disconnection</p>	<p>WOA-0016- RECCo-Rejected- Change to agreed design</p>	

M5 Work Off Plan Completion Report: Status Report

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	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	None	
D-071-Minor Correction-Business Process/Requirements	BP003C to be updated to remove cautionary note relating to CoS Gain Smart meter reconfiguration	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	None	
D-072-Minor Correction-Business Process/Requirements	Update Operation Choreography to add clarificatory note for parties around appointment / de-appointment sequence	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'	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	None	
D-074-Minor Corrections-Technical Artefacts	Update the Solution Architecture to reflect the changes to the Business Processes	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	None	

Section 3: Design Artefacts v4.7 Release Note

Note: The following slides contain the details of the changes that have been made to the version 4.6 of the Artefacts – based on feedback received in the Assurance meeting on 27 Jan 2023, and DAG on 1 Feb 2023



Design Artefacts v4.7 Release Note (1 of 5)

Ref	Description	Artefacts	Source	Assurance Comment	Work Off Item
1	EZ Names are still in the ISD Specification - need to be removed	MHHSP-EDI021- ISD Entities	SI Design/RECCo/Power Data Associates/Elexon/British Gas	WOA002/WOA010/WO A011/WOA053/WOA076/WOA101/WOA103	D-034C
2	ISD Spec has DIP Participant ID set to 12 Char - should be 10 Char	MHHSP-EDI021- ISD Entities	Helix	Minor Correction	N/A
3	EES & SDEP Doc has a hyper link to the Glossary on the cover page - this goes to a dead link. Fix or remove	MHHSP-BRS006-EES & SDEP Requirements	SI Design	Minor Correction	N/A
4	EES not listed as recipient for PUB-018 and PUB-026, even though those flows are shown on the latest version of BP010.	MHHSP-DES138- Interface Catalogue	ESG Global	Minor Correction	N/A
5	Add clarification comments to IF-019 and IF-020	MHHSP-DES138- Interface Catalogue	RECCo	WOA003	N/A
6	Check and remove DI-106 (duplicate of DI-849) from Interface catalogue	MHHSP-DES138- Interface Catalogue	RECCo & ESG Global	WOA014	D-051
7	Clarify in validation rules and note in BP009 that references should be in working days as per an earlier clarification comment. IF-005 (row 73)	MHHSP-DES138- Interface Catalogue	RECCo	WOA019	D-022
8	Gren Deal Effective To Date - correct the typo in IF-050 DI-112	MHHSP-DES138- Interface Catalogue	RECCo	WOA020	N/A
9	IF-032 and IF-034 to be consistent with BP002 and BP003 (flags)	MHHSP-DES138- Interface Catalogue MHHSP-BP002- Change of Service - Metering Service MHHSP-BP003- Change of Service - Data Service	RECCo	WOA051	N/A
10	Remove EZ Name from IF013 - DI158	MHHSP-DES138- Interface Catalogue	SI Design/RECCo/Power Data Associates/Elexon/British Gas	WOA002/WOA010/WO A011/WOA053/WOA076/WOA101/WOA103	D-034C
11	Remove EZ Name from IF021 - DI 846	MHHSP-DES138- Interface Catalogue	SI Design/RECCo/Power Data Associates/Elexon/British Gas	WOA002/WOA010/WO A011/WOA053/WOA076/WOA101/WOA103	D-034C
12	IF-033 - remove DI109 (EZ Name) and reinstate DI108 (LDSO DIP ID)	MHHSP-DES138- Interface Catalogue	SI Design/RECCo/Power Data Associates/Elexon/British Gas	WOA002/WOA010/WO A011/WOA053/WOA076/WOA101/WOA103	D-034C
13	IF-050 - need to redline removal of EZ Names	MHHSP-DES138- Interface Catalogue	SI Design/RECCo/Power Data Associates/Elexon/British Gas	WOA002/WOA010/WO A011/WOA053/WOA076/WOA101/WOA103	D-034C
14	Update JSON examples in Interface catalogue	MHHSP-DES138- Interface Catalogue	Callisto	Minor Correction	N/A

Design Artefacts v4.7 Release Note (2 of 5)

Ref	Description	Artefacts	Source	Assurance Comment	Work Off Item
15	DI-157 has an incorrect reference to EZ name in the description (Should say DIP ID). The note at the bottom refers to EZ name	MHHSP-DES138- Interface Catalogue- Data Catalogue	SI Design/RECCo/Power Data Associates/Elexon/British Gas	WOA002/WOA010/WO A011/WOA053/WOA0 76/WOA101/WOA103	D-034C
16	DI-108 incorrectly removed, needs to be added back in (DIP ID)	MHHSP-DES138- Interface Catalogue- IF-033	SI Design/RECCo/Power Data Associates/Elexon/British Gas	WOA002/WOA010/WO A011/WOA053/WOA0 76/WOA101/WOA103	D-034C
17	DI-109 needs to be removed (DIP EZ name)	MHHSP-DES138- Interface Catalogue- IF-033	SI Design/RECCo/Power Data Associates/Elexon/British Gas	WOA002/WOA010/WO A011/WOA053/WOA0 76/WOA101/WOA103	D-034C
18	DI-846 needs to be removed (DIP EZ name)	MHHSP-DES138- Interface Catalogue- IF-021	SI Design/RECCo/Power Data Associates/Elexon/British Gas	WOA002/WOA010/WO A011/WOA053/WOA0 76/WOA101/WOA103	D-034C
19	DI-157 has an incorrect reference to EZ name in the description (Should say DIP ID)	MHHSP-DES138- Interface Catalogue- IF-013	SI Design/RECCo/Power Data Associates/Elexon/British Gas	WOA002/WOA010/WO A011/WOA053/WOA0 76/WOA101/WOA103	D-034C
20	DI-158 needs to be removed (DIP EZ name)	MHHSP-DES138- Interface Catalogue- IF-013	SI Design/RECCo/Power Data Associates/Elexon/British Gas	WOA002/WOA010/WO A011/WOA053/WOA0 76/WOA101/WOA103	D-034C
21	IF-041 updated to remove UMSO and UMSDS from the to/from	MHHSP-DES138- Interface Catalogue- IF-041	Power Data Associates	WOA-0064	D-048
22	IF-027 updated to remove UMSO and UMSDS from the to/from	MHHSP-DES138- Interface Catalogue- IF-027	Power Data Associates	WOA-0066	D-058
23	BP003 (Steps 282/283) added to show UMSO passing D0388 to UMSDS	MHHSP-BP003- Change of Service- Data Service MHHSP-BPD003- Change of Service- Data Service	Power Data Associates	WOA-0052	D-024
24	Requirement (MHHS-BR-MS-030.1) added to Metering Service BRS to cover UMSO issuing the D0388 following a confirmed Data Service appointment	MHHSP-BRS002- Metering Services Requirements	Power Data Associates	WOA-0052	D-024
25	Update IF-045 to show Metering Service and Data Service as recipients to align with BP011C	MHHSP-DES138- Interface Catalogue- IF-045	CGI	Minor Correction	N/A
26	Removed reference to sequencing from MHHS-BR-RS-078 as confirmed not required for R0044 design	MHHSP- BRS003- Registration Service Requirements	SCS	WOA-0083	D-009

Design Artefacts v4.7 Release Note (3 of 5)

Ref	Description	Artefacts	Source	Assurance Comment	Work Off Item
27	Removed reference to Linked MPANs being subject to existing CSS Switching Rules	MHHSP- BP001- Change of Supplier	British Gas	Assurance Meeting 27/01	D-033
28	Requirement (MHHS-BR-MS-010) updated to clarify that only Incumbent Metering Service can apply the flag	MHHSP-BRS002- Metering Services Requirements	RECCo	Assurance Meeting 27/01	D-053
29	Requirement (MHHS-BR-DS-031) updated to clarify that only Incumbent Data Service can apply the flag	MHHSP-BRS001- Data Services Requirements	RECCo	Assurance Meeting 27/01	D-053
30	Requirement (MHHS-BR-SU-021.1) added to clarify that where different Data Service Providers are required to meet Complex site arrangements then the same Company must provide both the ADS and SDS service for all the MPANS	MHHSP-BRS004- Supplier Requirements Overview	Elexon	Assurance Meeting 27/01	D-008
31	IF-045 name in IF_List updated to Registration Service Reminder Notification to align with Interface Name in 02_IF-045	MHHSP- DES138- Interface Catalogue- IF-LIST	CGI	Minor Correction	N/A
32	Additional Information (DI-120) data item updated to String-2000 in the Data Catalogue to align with all references to this data item in the individual interfaces	MHHSP- DES138 Interface Catalogue- Data Catalogue	SCS	Minor Correction	N/A
33	Updated BP010B Energy Direction updates to show Registration Service being updated by the LDSO using DB002	MHHSP- BP010- Change of Registration Data MHHSP- BPD010- Change of Registration Data	SCS	Minor Correction	N/A
34	Supplier MPID added to IF-001	MHHSP- DES138- Interface Catalogue- IF-001	Elexon	Assurance Meeting 27/01	D-034B
35	Method 0 removed from section 9 of UMSDS Method Statement	MHHSP- METH004- UMSDS EM Functions	Power Data Associates	Minor Correction	N/A
36	Add DI-207 Current Metering Service MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
37	Add DI-208 Current Data Service MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
38	Add DI-207 and DI-208 to Block B005 in IF-001	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
39	Add DI-212 to Block B035 in IF-001	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
40	Add DI-202 De-appointed Metering Service MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
41	Add DI-202 to block B008 in IF-037	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
42	Add DI-203 De-appointed Data Service MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
43	Add DI-203 to block B009 in IF-037	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
44	Add DI-204 Incoming Metering Service MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
45	Add DI-204 to block B010 in IF-037	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
46	Add DI-205 Incoming Data Service MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B

Design Artefacts v4.7 Release Note (4 of 5)

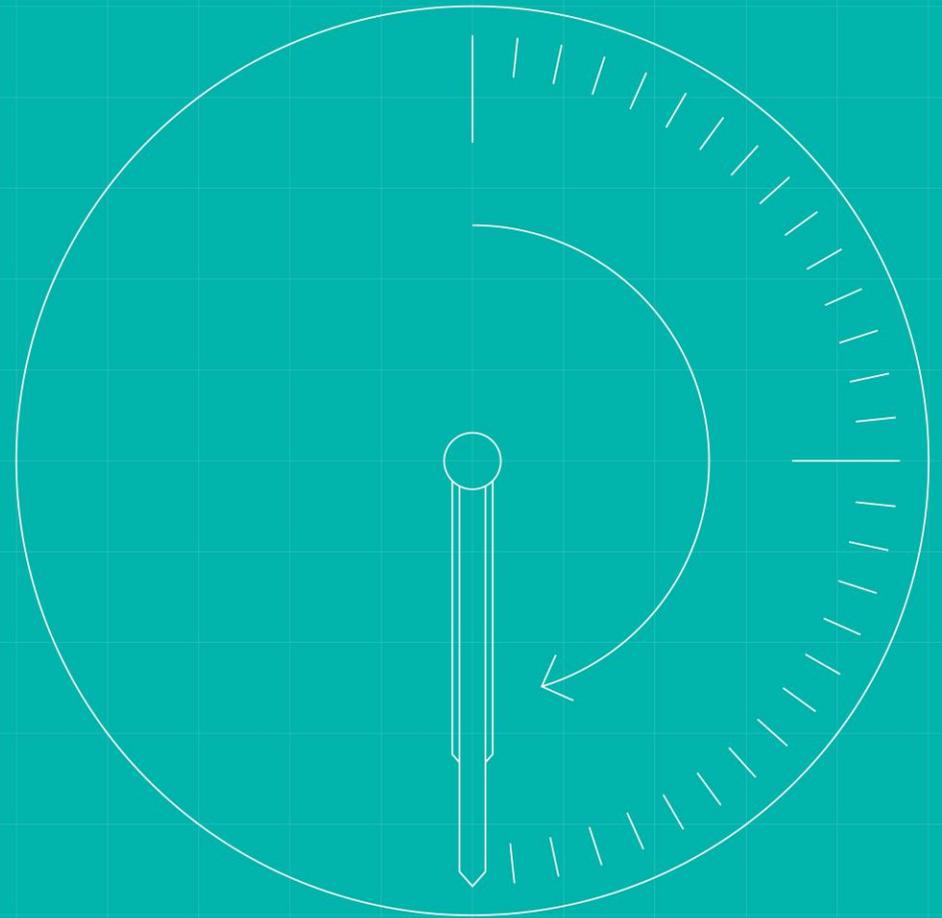
Ref	Description	Artefacts	Source	Assurance Comment	Work Off Item
47	Add DI-205 to block B011 in IF-037	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
48	Add DI-206 Service Provider Appointment Requesting Supplier MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
49	Add DI-206 to block B012 in IF-036	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
50	Add DI-213 to block B014 in IF-036	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
51	Add DI-214 to block B015 in IF-036	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
52	Add DI-209 Assigned MDR MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
53	Add DI-209 to block B019 in IF-036	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
54	Add DI-210 Partner Metering Service MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
55	Add DI-210 to block B016 in IF-036	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
56	Add DI-211 Partner Data Service MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
57	Add DI-211 to block B017 in IF-036	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
58	Add DI-212 Import/Export MPAN Supplier MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
59	Add DI-212 to block B035 in IF-036	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
60	Add DI-206 to block B012 in IF-035	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
61	Add DI-213 Proposed Metering Service MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
62	Add DI-213 to block B070 in IF-035	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
63	Add DI-214 Proposed Data Service MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
64	Add DI-214 to block B071 in IF-035	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
65	Add DI-215 Supplier Nominated MDR MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
66	Add DI-215 to block B071 in IF-035	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
67	Add DI-209 to block B019 in IF-035	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
68	Add DI-209 to block B066 in IF-035	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
69	Add DI-209 to block B092 in IF-035	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
70	Add DI-206 to block B012 in IF-034	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
71	Add DI-213 to block B070 in IF-034	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
72	Add DI-214 to block B071 in IF-034	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B
73	Add DI-215 to block B071 in IF-034	MHHSP- DES138 Interface Catalogue	Elaxon	DAG 01/02	D-034B

Design Artefacts v4.7 Release Note (5 of 5)

Ref	Description	Artefacts	Source	Assurance Comment	Work Off Item
74	Add DI-216 SDS Nominated MDR MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
75	Add DI-216 to block B018 in IF-034	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
76	Add DI-206 to block B012 in IF-033	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
77	Add DI-213 to block B070 in IF-033	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
78	Add DI-214 to block B071 in IF-033	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
79	Add DI-215 to block B071 in IF-033	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
80	Add DI-217 Incumbent Metering Service MPID to Data Catalogue	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
81	Add DI-217 to block B072 in IF-033	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
82	Add DI-212 to block B035 in IF-033	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
83	Add DI-213 to block B070 in IF-032	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
84	Add DI-214 to block B071 in IF-032	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
85	Add DI-215 to block B071 in IF-032	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
86	Add DI-213 to block B070 in IF-031	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
87	Add DI-214 to block B071 in IF-031	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
88	Add DI-215 to block B071 in IF-031	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
89	Add validation rule for RS to ensure MPIDs matches DIP ID in IF031	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
90	Add validation rule for RS to ensure MPIDs matches DIP ID in IF034	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B
91	Add new error codes for MPID mismatches to DIP ID in Introduction	MHHSP- DES138 Interface Catalogue	Elexon	DAG 01/02	D-034B

Full list of Design Artefacts to be re-baselined

Note: The following slides contain the full list of Design Artefacts, including current version number and proposed baseline version number



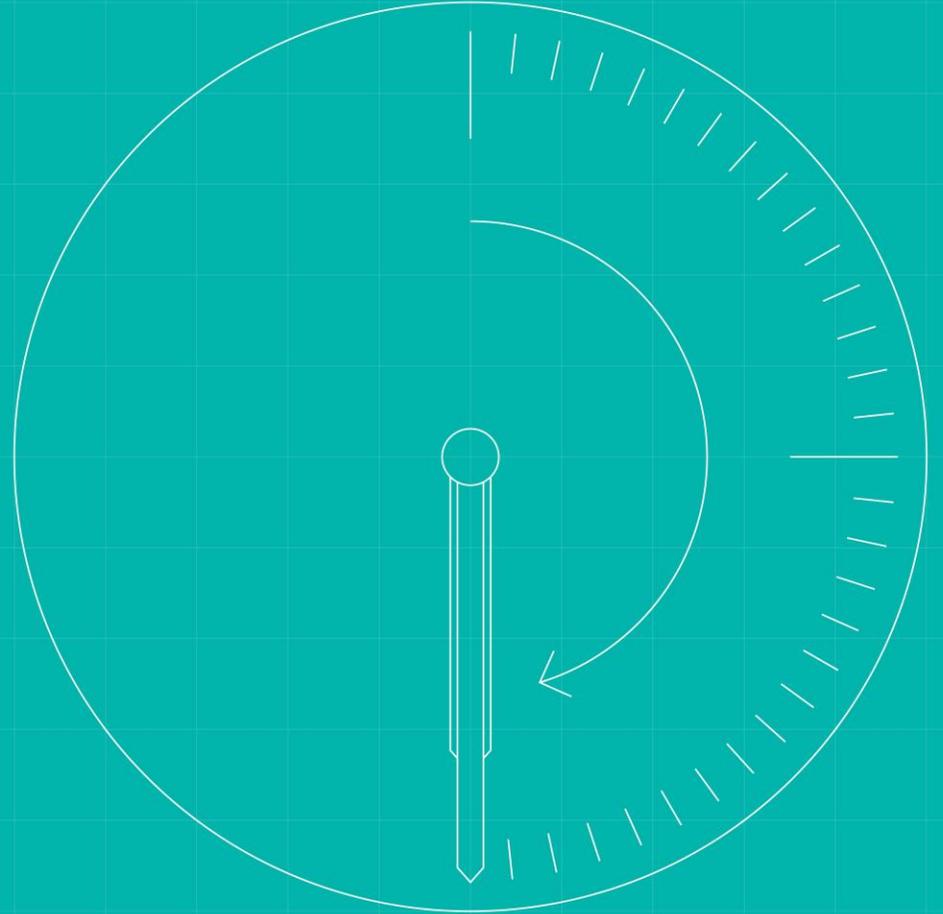
Full list of Design Artefacts included in M5 Baseline (1 of 2)

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

Appendix – Summary of Participant Assurance engagement



MHHS Design Work-off plan Assurance Summary - 1

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

Engagement stats

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

CHART 1

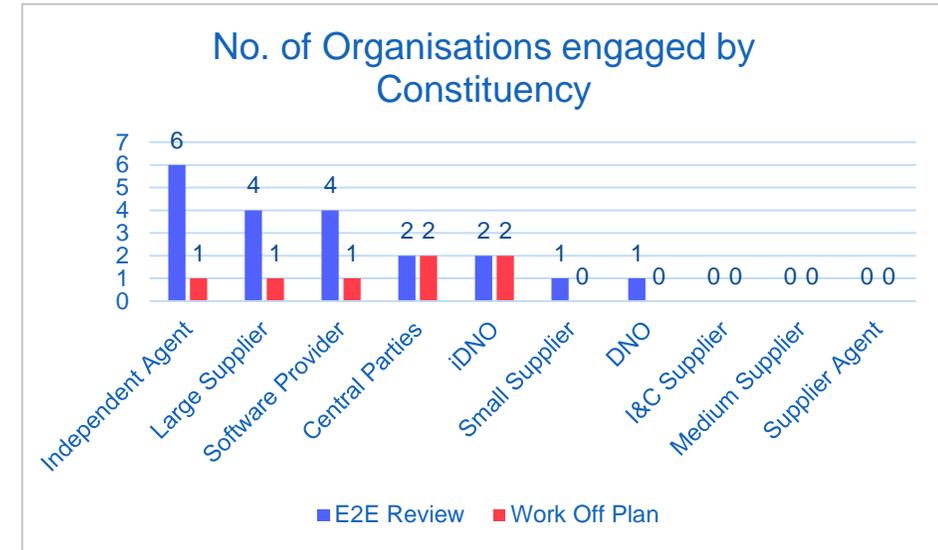
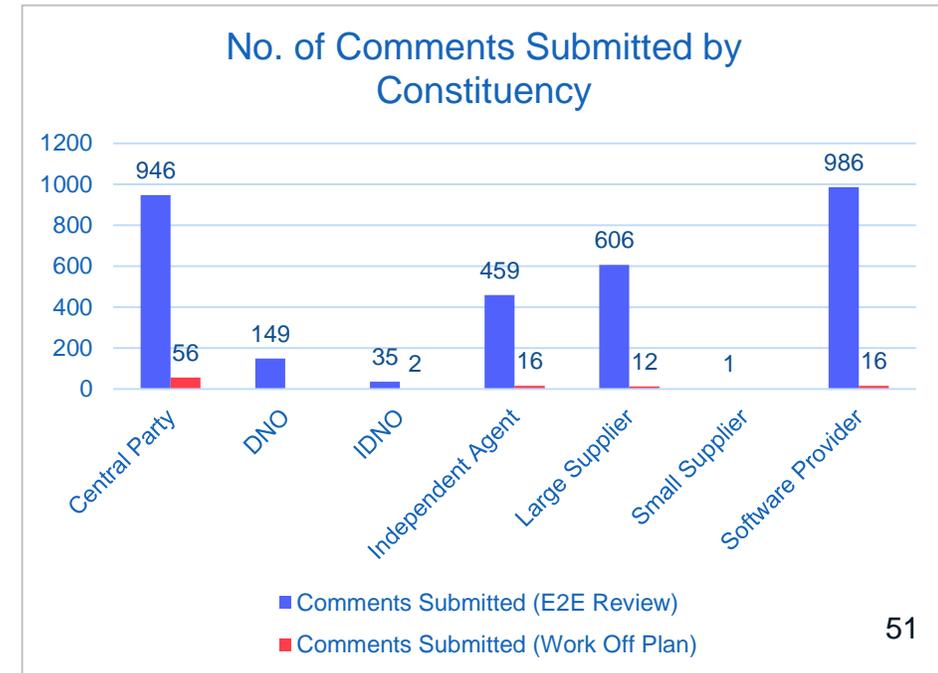


CHART 2



Assurance meeting held on 27 Jan 2023

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

The meeting was well attended, with over 90 attendees, and comments were received in the meeting on 11 of the 73 work-off items. No comments were received for the remaining 80% of work-off items.

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

Summary of next steps:

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