MHHS PROGRAMME

Industry-led, Elexon facilitated

MHHS Design:
DAG Summary Report- Tranche 1

26th April 2022

MHHS Design- DAG Report- Tranche 1 Summary

Development of Tranche 1 Design Artefacts:

- Design artefacts developed through a number of iterative review cycles with the Sub-Working Groups between November and February.

- 2 review cycles completed with the Business Process & Requirements Working Group between February and May

- Design artefacts updated to reflect comments received, and outstanding design issues and dependencies documented

- The LDP SI team have quality assured the design artefacts
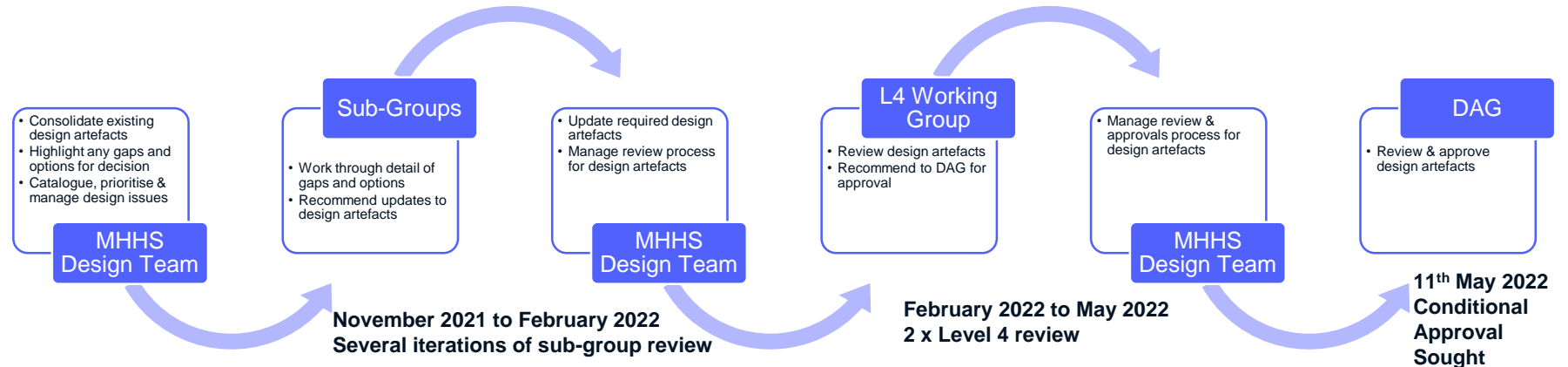
Tranche 1 Detail:

- 24 Design Artefacts included in Tranche 1

- 6 Design Artefacts relating to Metering & Data Services

- 14 Design Artefacts relating to Registration Service

- 4 Design Artefacts relating to Elexon Central Services

Process flow diagram

MHHS Design Team
- Consolidate existing design artefacts
- Highlight any gaps and options for decision
- Catalogue, prioritise & manage design issues

Sub-Groups
- Work through detail of gaps and options
- Recommend updates to design artefacts

MHHS Design Team
- Update required design artefacts
- Manage review process for design artefacts

November 2021 to February 2022
Several iterations of sub-group review

L4 Working Group
- Review design artefacts
- Recommend to DAG for approval

MHHS Design Team
- Manage review & approvals process for design artefacts

February 2022 to May 2022
2 x Level 4 review

DAG
- Review & approve design artefacts

11th May 2022 Conditional Approval Sought

MHHS Service	Business Process Artefacts	Associated Artefacts
Metering & Data Services	BP004- Data Collection	IF021- UTC Settlement Period Consumption Data
	BP005- Data Processing	IF022- LSS Period Data
		IF023- LSS Totals Data
		IF024- Supplier Advisory Notifications to DS
Registration Service	BP006- New Connection	IF005- Metering Service MTD Updates to Registration
	BP007- Disconnection	IF006- Registration Service Notification of MTD Updates
	BP008- Change of Energisation Status	IF007- Change of Energisation Status Outcome
	BP009- Change of Meter	IF008- Registration Service Notification of Change of Energisation Status
	BP0010- Change of Registration Data	IF009- Registration Service Notification of Disconnection
		IF018- Notification of Registration Data Item Changes
		IF025- Supplier Updates to Registration
		IF026- Registration Service Notification of Supplier Data Change
		IF041- Cumulative Meter Reading
Elexon Central Services	BP018- Load Shaping Service	BRS007- Load Shaping Service Business Requirements
		BPD018- Load Shaping Service Business Process Description
		METH005- Load Shaping Service Method Statement

MHHS Design- DAG Report- Tranche Summary

Tranche 1 (Review cycle 1 and 2)

- 811 comments from 18 organizations

- 51% of the comments resulted in minor changes to documents, a proportion of which could have been avoided if additional quality control steps had been included in the process

- 26% of comments were requests for clarification

- 12% of comments were rejected for various reasons. Explanations for the rejections are being shared with the comment owners

- 5% of the comments have resulted in further activity to modify or validate elements of the design. No substantial changes were required.

- A further 5% of comments directly relate to artefacts that are being produced in subsequent tranches

- Review cycles have been staggered so that Industry will not be required to review tranches concurrently

Tranche 2 (Review cycle 1)

- 972 comments received from 15 organisations

- Currently analysing comments

- Updated artefacts and responses to comments will be published on 11 May 2022

Tranche 3

- Artefacts are developed and ready for sub-working group review

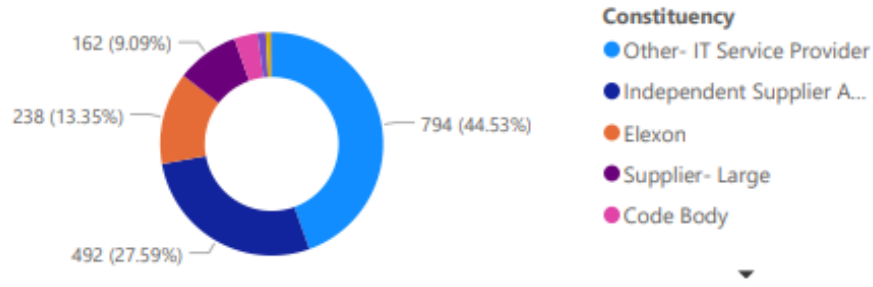- Artefacts will be distributed for industry review on 25 May 2022

Tranche 4

- Artefacts in development

- Artefacts will be distributed for industry review on 8 June 2022

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Participation summary

Total comments for T1 and T2

- 162 (9.09%)
- 238 (13.35%)
- 794 (44.53%)
- 492 (27.59%)

Constituency
- Other- IT Service Provider
- Independent Supplier A...
- Elexon
- Supplier- Large
- Code Body

Comments by constituency

Tranche ● Tranche 1 ● Tranche 2

Constituency	Tranche 1	Tranche 2
Other- IT Service Provider	255	539
Independent Supplier Ag...	296	196
Elexon	183	55
Supplier- Large	36	125
Code Body		55
IDNO		
DNO		
DCC		

Count of Comment Owner
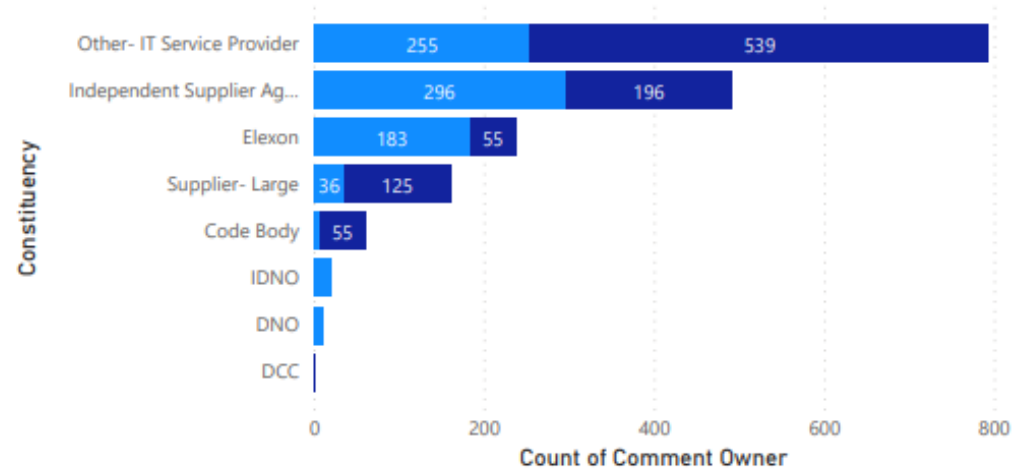
Comments by Organisation

Tranche ● Tranche 1 ● Tranche 2

Organisation	Tranche 1	Tranche 2
CGI	180	401
Callisto	153	101
Elexon	183	55
Power Data Associates	130	88
Ovo Energy		83
Salient Systems Ltd	43	45
St Clements	32	39
RECCo		55
Gorilla		54
Centrica		
nPower Business Solutions		
BUUK Infrastructure		
ScottishPower Energy Re...		
Stark		
Northern Power Grid		
TMA Data Management		
UK Power Distribution		
DCC		
Siemens		
SMS		
TMA Data Management ...		
DCUSA Ltd		
UK Power Networks		

Count of Comment Owner

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4
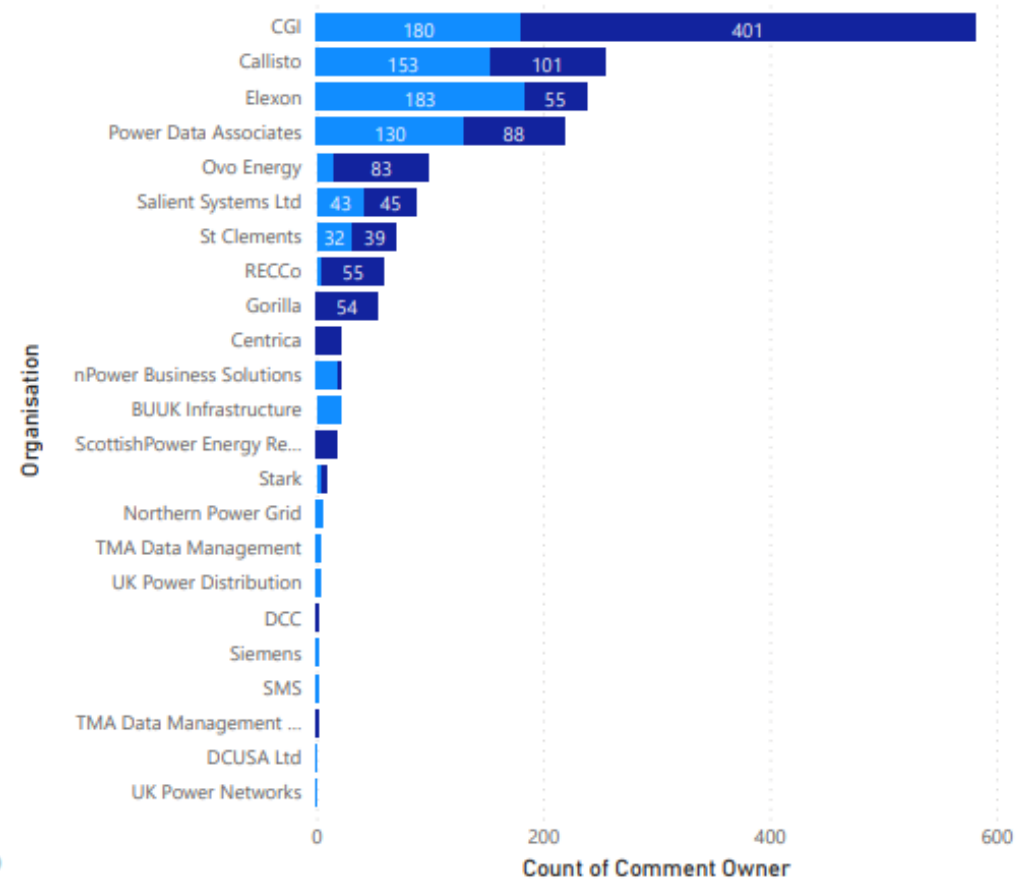
TRANCHE 1 - Summary

24 Artefacts

811 Total comments

Total comments by action

Action	Percentage
Updated	51%
Clarification	26%
Rejected	12%
Resolve in subsequen...	11%
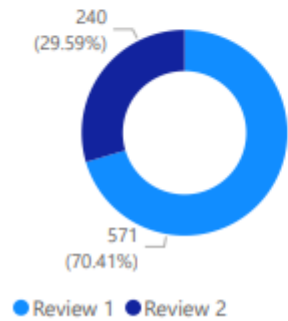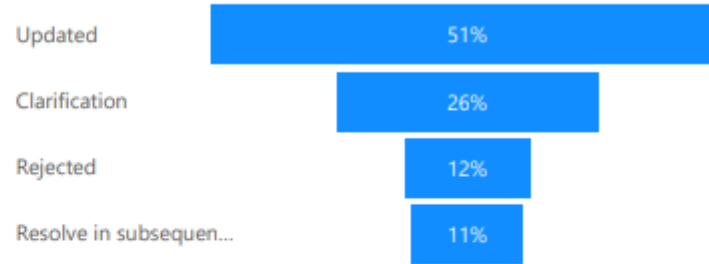
Comments by action

● Review 1 ● Review 2

	Updated	Clarification	Rejected	Resolve in subsequent tranche
Review 2	145	35	35	
Review 1	266	175	66	64

Comments by review

● Review 1 ● Review 2

240 (29.59%)
571 (70.41%)
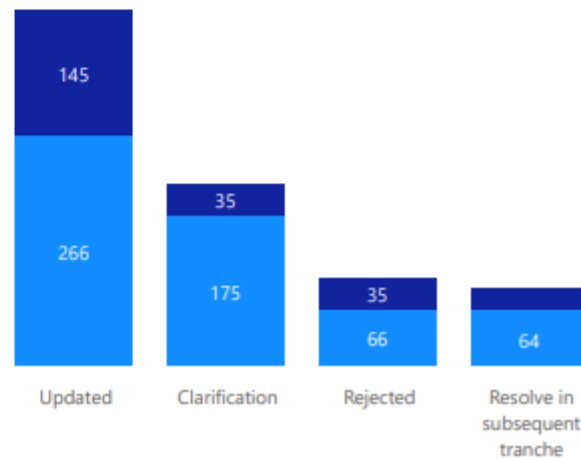
Comments by artefact

● Clarification ● Rejected ● Resolve in subsequent tranche ● Updated

Artefact	Clarification	Rejected	Resolve in subsequent tranche	Updated
MHHSP-METH005	7	6		93
MHHSP-BP018	8	13		47
MHHSP-BP005	5	15	7	32
MHHSP-BP008	23	10	7	15
MHHSP-IF005	18	7	10	19
MHHSP-BP004	17	7		27
MHHSP-BP006	15	6	9	16
MHHSP-BP009	15	7	11	13
MHHSP-BP007	8	6	6	18
MHHSP-BP010	13	6	9	9
MHHSP-BRS007	18	8		
MHHSP-IF006	13	8		
MHHSP-IF025	10	5		8
MHHSP-IF007	7			10
MHHSP-IF018	5	5		10
MHHSP-IF021	11			9
MHHSP-IF023				18
MHSSP-BRS007	4	4	4	5
MHHSP-IF026				11
MHHSP-IF041				9
MHHSP-IF024			5	6
MHHSP-IF008	7			
MMHSP-IF005				
MHHSP-IF009				5

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- Following processing of the comments there are 13 residual issues that require further activity.

- A further body of comments relates to artefacts that will be delivered in later tranches

- Of the 13 outstanding issues there are 2 that require further design activity in terms of the replacement of the D0142 flow and the finalisation of the mechanism to deal with related MPANs.

- The remainder are clarifications that may result in minor updates

- Next slide covers the total list of outstanding design issues and priority

- Final slide shows comment themes that are dependent on later tranche activity

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MHHS Design- DAG Report- Tranche 1 Outstanding Design Issues

SNAG-ID	Priority	Issue	Desciption	Potential Impact
SNG_001	1	IF005 MEX Approach	Clarity to be provided from Design team as to alignment between logical and physical interfaces via prototypes to illustrate approach	Potential modifications to IF005 depending on outcome
SNG_002	1	D0142	Consensus from comments is to replace D0142 with a DiP Flow for generic workflow request with associated work category items. This could incorporate replacement of D0138 if parties wished to use a generic request for works.	Change to BPM008 (Metering) & BPM009 (De-energisation) new interface
SNG_003	2	UTC/Clock Time - Metering Updates	Noting requirement for time to be captured in metering works agreement required as to alignment of UTC/Clock times from services with Registration Service	Potential update to data items with effective from and requirements to translate in services
SNG_004	2	Import/Export MPAN processing	Additional analysis required to finalise requirements for related MPANs and whether this can be managed in IF025	Define process for setting/removing and impacted interfaces
SNG_006	2	RMP Status	Align MHHS processes against RMP status held in registration service	Potential change to validation rules
SNG_017	2	ECS Meter Point Updates	Reconciliation of attributes required for ECS	
SNG_020	2	Minor Process Updated	Minor Process Updates requiring clarification	
SNG_005	3	Domestic Indicator Process	Confirmation required as to whether supplier wishes to receive notification of disconnection being accepted by registration service	Potential redundant element of process as covered elsewhere - BPM010
SNG_008	3	Cumulative Reads for Smart Meters - clarification on number of Digits and requirement for internal register digits	Format to be clarified with regard to the format of the cumulative register read for smart meters and any associated requirement for internal register details	Potential modifications to IF005 and IF041 - minor change to population guidance or removal of field.
SNG_011	3	Potential additional Smart attributes required on IF005	Suggestion that additional Smart attributes are required for IF005 - to be clarified	Potential addition of attributes to IF005
SNG_012	3	Potential additional UMSO process steps	Suggestion that additional UMSO process steps required within BP006	Potential addition of contextual process steps to BP006
SNG_018	3	LSS Recreation Trigger	Clarification required as to conditions that would result in the recreation of LSS data	Potential Updated requirement
SNG_021	3	Registration Date Time	Confirmation required that Registration time not used in LSS generation calculations and midnight cut-off is used	Potential Updated requirement
SNG_009	INFO	IHD	Clarification of granularity of IHD attribute aligning interface to Registration Service - we believe design represents current approach with MPAN status being derived from meter level.	Potential Change to IF005.
SNG_013	INFO	Consent Granularity	Believe this has been dealt with by use of the granularity outcomes of HH/D/M.	Change to allowable values for consent granularity on IF025
SNG_015	INFO	Clarification of MAP Interaction	Design assumes continued use of D0303 as opposed to a DiP interaction - however no input from MAPs.	Potential Change to BPM009 & New associated DIP Interface
SNG_016	INFO	PPMIP Interaction	Clarity required on PPMIP notification for installation and disconnection although believe current design is correct as suppliers provide notification and mechanism to share reads exists	Potential Change to BPM006 & BP009

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MHHS Design- DAG Report- Tranche 1 Dependencies

DEP-ID	Comment Theme	Tranche	Notes
DEP_001	SDS Reporting	3	Element of process map refers to SDS reporting which will be dealt with holistically with reporting in Traches 3 & 4
DEP_002	Business Process Descriptions	3&4	A number of Process Description artefacts will be delivered in Tranches 3 & 4
DEP_003	LDSO Data Resolution	4	A number of BPMs will likely be impacted once the position with LDSO data provision is resolved
DEP_004	Routing	4	The secondary routing matrix will be finalised in tranche 4 providing the holistic view of routing options for all flows
DEP_005	ISD	4	Comments received pertaining to the finalised version of ISD which will be delivered in Tranche 4
DEP_006	Reconciliation/Enquiry	4	Comments received pertaining to the resolution of reconciliation/enquiry requirements
DEP_007	LDSO Interactions	4	Comments received with regard to interactions with DNOs to be clarified in T3/4.
DEP_008	SLAs & "Square Brackets" & Archiving	3&4	Dependent on NFRs and Choreography
DEP_009	Transition	4	Transition activity - T4
DEP_010	Change of Segment	3	
DEP_011	Change of Service	2	
DEP_012	Physical Interface Resolution	4	Comments referring to detail of physical resolution
DEP_013	Operational Choreography	3&4	

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The LDP SI Design Assurance Team have reviewed the Tranche 1 documents as part of its quality assurance activities and have:

- **Identified no substantive design gaps or concerns in the Tranche 1 artefacts**

- Captured a number of assurance issues against the artefacts, mostly arising from the modelling of the content into the iServer architecture repository. These are categorised for convention, language, value etc.

- The team are discussing the resolution of these issues and sharing the insight with the SRO Design Team to ensure that future Tranches should result in fewer assurance issues being identified;

- The LDP SI Assurance Team have been present and contributed to sub-working group discussions

- The Design Assurance Team will share an overview of the assurance findings for Tranche 1 for 11th May DAG meeting.

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MHHS Design- DAG Report- Tranche 1- RECOMMENDATION

The DAG are invited to:

- Note the process followed in the production of the Tranche 1 design artefacts

- Note the resolution of the comments received during the Tranche 1 review and the outstanding design issues and dependencies (see slides 7 & 8)

- **CONDITIONALLY APPROVE** the Tranche 1 design artefacts, noting the outstanding design issues and dependencies detailed in this report will be resolved in later Tranches

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