MHHS Design:
# DAG Summary Report- Tranche 2

17th May 2022

MHHS Design- DAG Report- Tranche 2 Summary

Development of Tranche 2 Design Artefacts:

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

- Review cycle completed with the Business Process & Requirements Working Group in April.

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

- The LDP SI team have quality assured the design artefacts
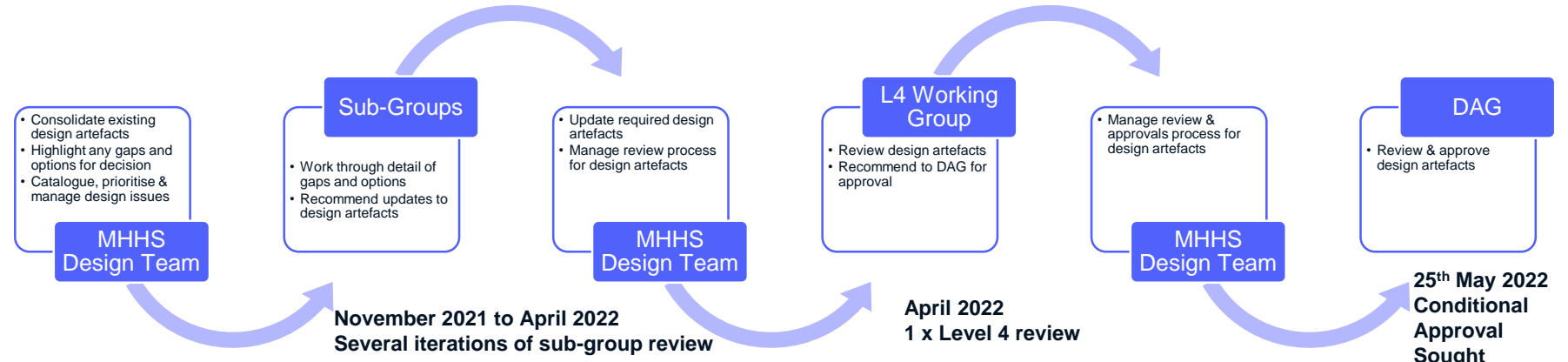
Tranche 2 Detail:

- 17 Design Artefacts included in Tranche 2

- 1 Design Artefacts relating to Metering & Data Services

- 4 Design Artefacts relating to Registration Service

- 12 Design Artefacts relating to Elexon Central Services

- Interface Specifications removed from tranche as subject to further changes- consolidated document to be issued in Tranche 4

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

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

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

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

April 2022
1 x Level 4 review

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

DAG
- Review & approve design artefacts

25th May 2022 Conditional Approval Sought

MHHS Service	Business Process Artefacts	Associated Artefacts
Metering & Data Services		METH001- SDS Validation & Estimation Method Statement
Registration Service	BP001- Change of Supplier	
	BP002- Change of Service- Metering Service	
	BP003- Change of Service- Data Service	
	BP003B- Change of Existing Service Appointment Details	
Elexon Central Services	BP013- Demand Disconnection Events	BRS013- Demand Disconnection Events Business Requirements
		BPD013- Demand Disconnection Events Business Process Description
		METH008- Demand Disconnection Events Method Statement
	BP019- Market-wide Data Service	BRS008- Market-wide Data Service Business Requirements
		BPD019- Market-wide Data Service Business Process Description
		METH007- Market-wide Data Service Method Statement
	BP020- Volume Allocation Service	BRS009- Volume Allocation Service Business Requirements
		BPD020- Volume Allocation Service Business Process Description
		METH006- Volume Allocation Service Method Statement

MHHS PROGRAMME
Industry-led, Elexon facilitated

MHHS Design- DAG Report- High Level Summary of Changes

Further to feedback received during the BPRWG review the following changes have been incorporated into the design artefacts:

Design Artefact	High Level Changes
Interface Specifications	The Interface Specifications were circulated as part of the Tranche 2 review as supporting information for the Business Process Diagrams and participants were asked to review and provide comments specifically in relation to the data items included within the interface. The artefacts are not included for approval in this tranche on the basis that further design activity is required to determine the structure and format of the interfaces which will require further review by the Working Groups. It is anticipated that the consolidated Interface Document will be issued as part of Tranche 4.
BP001- Change of Supplier	PUB-002, has been moved forward in the process and will be sent to Suppliers at the same point the D217 is currently sent as part of the CSS Design i.e. once a Switch Request reaches pending, suppliers will then have the information they need in sufficient time to determine the Service Providers they wish to appoint for given a given MPAN
	The Agreed read process has been updated to better take into account the scenarios it might need to support
BP002- Change of Service Metering Service BP003- Change of Service- Data Service	**Automation of Service Provider alignment for Import & Export MPANs** As part of Tranche 2 the Design Team where looking for feedback on three possible options for the treatment of Import/Export MPANs - a, Supplier Notification Solution b, SP Auto-Alignment Functionality, or c. No change. The majority of respondents on this area of functionality were in favour of the delivery of an Auto-Alignment solution, and that such a solution should be extended to Related MPANs. Subject to some specific design constraints the Design Team will look to develop process(es) to support the Auto-Alignment of Service Providers for both Import/Export and Related MPANs. Whilst the version of the diagram released in this tranche still shows the high-level overviews for Import/Export - a Working Group meeting will be arranged to discuss proposed design options once these have been developed by the team, these will then form part of the Tranche 3. **Customer Direct Contract Functionality** As expressed during the working group meetings there were a wider number of views on this area, some of which advocated 'dropping' this functionality all together On balance there a majority of respondents were in favour and the design team can see the potential benefit in delivery of this functionality Following further discussion on the design options, alongside the feedback comments - the Design Team position is to proceed with the existing solution design

MHHS PROGRAMME
Industry-led, Elexon facilitated

MHHS Design- DAG Report- High Level Summary of Changes

Further to feedback received during the BPRWG review the following changes have been incorporated into the design artefacts:

Design Artefact	High Level Changes
BP003- Change of Data Service	The diagram issued as part of the original Tranche 2 Review posed the question of whether Supplier SP Appointments should be restricted / prevented until such a point that the CSS status of a switch had reached Confirmed or Secured status. The overwhelming feedback from Suppliers was that the period during /point at which Service Appointments could be triggered *should not* be restricted in this way, for a number of reasons. The original design proposal did not propose any time constraints, but did have the expectation that suppliers would not trigger Service Provider Appointments in advance of a successful CCS confirmation of a switch request and ideally following the successful passage of the Objection Period – however, 'delivered anyway' logic within the registration service will cater for and manage the lapsing of any Proposed Appointments associated with unsuccessful switch requests.
	The original diagram issued as part of the Tranche 2 review reflected the Working Group view that no data, specifically Metering Readings, would be generated for Smart Meters, even in circumstances where it was not possible to connect to the Meters on or around the Change of Data Service event. Whilst, this posed little challenge for SDS' who deal only with 'periods of consumption'; again, there was a great deal of feedback from Suppliers that the absence of a 'definitive' reading, particularly where the Change of Data Service was associated with a Change of Supplier, would lead to potential confusion and misalignment.
	Whilst it is still the expectation that for the overwhelming majority of occasions, all parties (Incoming and Outgoing SDS & Suppliers) will have access to the Smart Meter, and will each be able to recover the data they require in order to successfully manage their respective processes. The Design has been updated in order to 'reinstate' the mechanism of the outgoing SDS generating an estimated Cumulative Reading, in circumstances where the outgoing SDS (and therefore presumably all other parties) are unable to access the meter in order to obtain a meter reading and/or consumption data 72hrs after the Change of Data Service [COS] event.
	The outgoing SDS will share the estimated Cumulative Reading with all parties, and this will be used by each to 'close and open their positions'. Suppliers will still remain free to amend this reading via the 'Agreed Reading Process', however the revised reading will not be shared with the SDS's and a Consumption Corrections would need to be submitted for any instances where the reading agreed might lead to the requirement for a 'material change' in settlement volumes.
	The meter reading processes elements will be captured in a new 'BP003C - Transfer of Reads' business process map, which will be subject to review as part of T3. The Change of Data Service Map has been updated to include a 'link out' to this new process, but aside from that remains unchanged

MHHS PROGRAMME
Industry-led, Elexon facilitated

Tranche 2 Review

- 622 comments received from 15 organisations (excluding the comments received for the 11 Interface Specifications that were issued as supporting information. These artefacts will be issued for formal review in Tranche 4)

- 55% of the comments resulted in minor changes to the documents

- 3% of the comments were requests for clarification

- 16% of comments were rejected for various reasons. Explanations for the rejections have been shared with comment owners.

- 10% of the comments have resulted in further activity to modify or validate elements of the design. The next steps for these items have been recorded in the Design Issues Log. No substantial design changes are expected.

- 16% of comments relate to artefacts that are being produced in subsequent tranches.

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

MHHS PROGRAMME
Industry-led, Elexon facilitated

TRANCHE 2 - Summary

17
Artefacts

622
Total comments

Total comments by action

Action	Percentage
Updated	55%
Resolve in subsequen...	25%
Rejected	16%
Clarification	3%
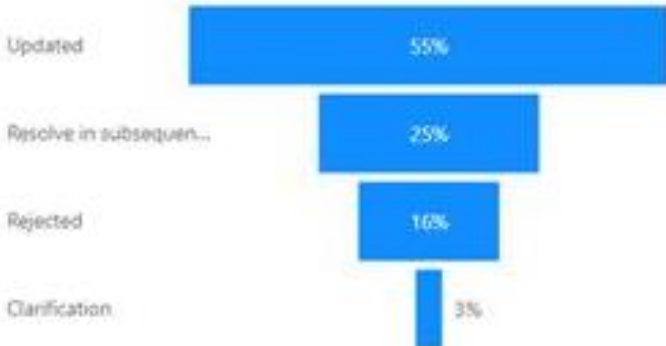
Comments by constituency

● Clarification ● Rejected ● Resolve in subsequent tranches ● Updated

Constituency	Rejected	Resolve in subsequent tranches	Updated	Clarification
Software Provider	32	42	132	
Supplier Agent	39	66	80	
Central Party	16	16	91	
Large Supplier	12	31	26	13
DNO			14	
I&C Supplier				

MHHS PROGRAMME
Industry-led, Elexon facilitated
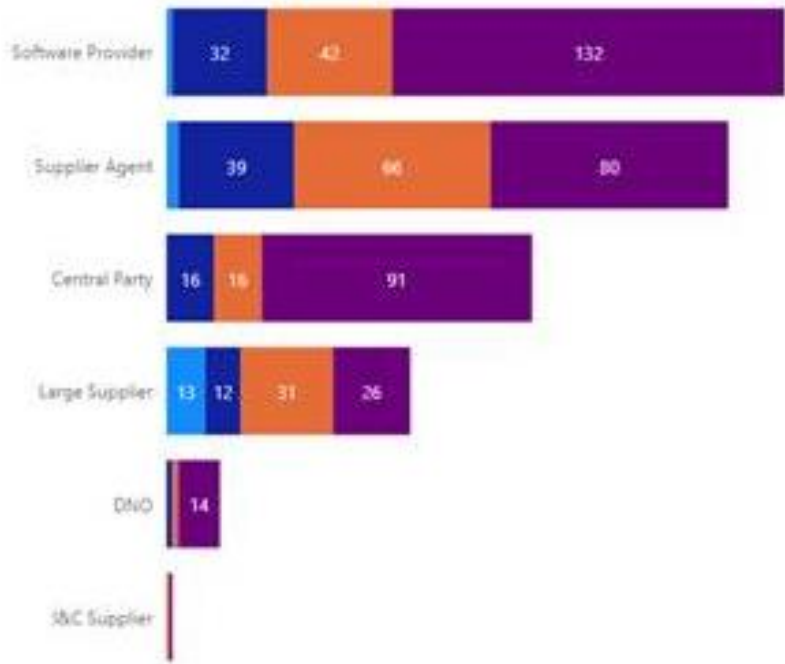
MHHS Design- DAG Report- Tranche 2 Response Summary

Participation summary
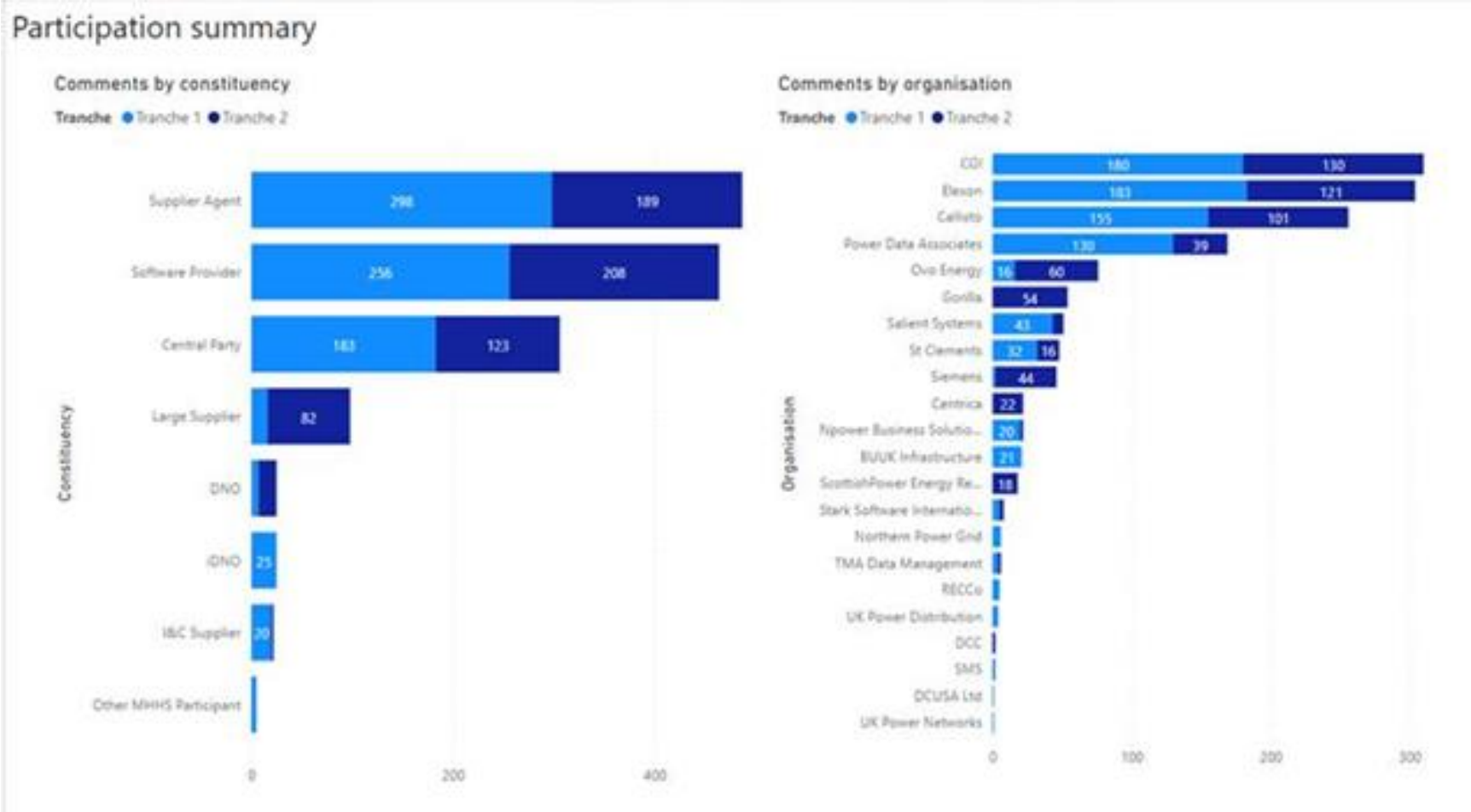
- Following processing of the comments there are 10 residual issues that require further activity.

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

- Of the 10 outstanding issues there are 3 that require further design activity in terms of the replacement of the COSR Read Issue, MDR ID Definition and IF036 sequencing

- We believe 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

MHHS PROGRAMME
Industry-led, Elexon facilitated

MHHS Design- DAG Report- Tranche 2 Outstanding Design Issues

SNAG-ID	Priority	Issue	Desciption	Potential Impact
SNG_017		COS Reads		
SNG_018		D0302/D0255	Decision requires as to incorporation of these flows on to the MAP - does not change substance of design	
SNG_019		DCC timing	Decision required as to additional event to notify SDS of MDR notification to DCC	
SNG_020		LDSO MS Notification	Input required from LDSOs as to whether they require notification of MS de-appointment	
SNG_021		IF036 Sequence Change	Clarification on IF036 sequence query	
SNG_022		MDR ID Definition	Clarification on exact definition of role id to be used in CSS/DCC interaction	
SNG_023		LLF_ID resolution to Registration Service	Proposal from ECS Sub-working group to include LLF_ID in ISD and Registration Service	
SNG_024		PAF Reporting	Further clarification required on PAF reporting	
SNG_025		Expected Advance Definition	Further detail to be agreed with regard to specific definition of Expected Advance	
SNG_026		Domestic Volume Tolerance	Discussion required as to tolerance to be applied to domestic consumption in Smart Method Statement	

NOTE: The full list of outstanding design issues for all tranches can be found in the Design Artefact Tracker here

MHHS PROGRAMME
Industry-led, Elexon facilitated

MHHS Design- DAG Report- Tranche 2 Dependencies

DEP-ID	Comment Theme	Tranche	Notes
DEP_014	Interface Update	3&4	
DEP_015	Import Export & Related MPANs	3	
DEP_016	Consumption Adjustments/Correction	TBC	
DEP_017	Non Functional Requirements	4	
DEP_018	ECS Reporting Requirements	4	

NOTE: The full list of dependencies for all tranches can be found in the Design Artefact Tracker here

MHHS PROGRAMME
Industry-led, Elexon facilitated

The LDP SI Design Assurance Team have reviewed the Tranche 2 documents as part of its quality assurance activities, a more detailed review is ongoing, and have:

- **Identified no substantive design gaps or concerns in the Tranche 2 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 insight with the SRO Design Team so 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 2 for 25th May DAG meeting.

The DAG are invited to:

- Note the process followed in the production of the Tranche 2 design artefacts

- Note the resolution of the comments received during the Tranche 2 review and the outstanding design issues and dependencies (see slides 9 & 10)

- **CONDITIONALLY APPROVE** the Tranche 2 design artefacts, noting the outstanding design issues and dependencies detailed in this report will be resolved in later Tranches

MHHS PROGRAMME
Industry-led, Elexon facilitated