



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

Design Advisory Group #10

08 June 2022

Version 1.0

MHHS-DEL438

Document Classification: Public

Agenda (Page 1 of 2)

#	Item	Objective	Type	Lead	Time	Page
1	Welcome			Chair	10:00-10:05 5 mins	1
2	Minutes and Actions	Approval of minutes and review of outstanding actions. Decisions by correspondence from previous meeting	Decision	Chair & Secretariat	10:05-10:15 10 mins	4
3	Open Design Issues Management	Update on the management of open design issues	Information	Programme (Ian Smith & Warren Fulton)	10:15-10:30 15 mins	7
4	Tranche 2 Approval	Approval of Tranche 2 design artefacts	Decision	Programme (Ian Smith)	10:30-11:30 60 mins	24
5	MHHS Design Dashboard	Update on design artefact review and approval cycle	Information	Programme (Ian Smith & Claire Silk)	11:30-11:50 20 mins	30
Break 10 mins						
6	Design Decisions	Updates on Data Integration Platform (DIP) security	Decision	Programme (Ian Smith)	12:00-12:15 15 mins	34
7	MHHS Change Control Process	Overview of the MHHS Change Control Process	Information	Programme (PMO)	12:15-12:25 10 mins	36
8	Review of RAID	Review of design related RAID items	Discussion	Programme (PMO)	12:25-12:40 15 mins	41
9	DAG Design Principles	Review of design principles	Discussion	Programme (Ian Smith)	12:40-12:45 5 mins	44

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#	Item	Objective	Type	Lead	Time	Page
10	Level Playing Field Design Principle	Updates on actions related to SEC MP162	Information	Chair	12:45-12:55 <i>10 mins</i>	47
11	Governance Group Updates	Provide relevant updates from other MHHS Programme Level 2-3 governance groups.	Information	Programme (PMO)	12:55-13:05 <i>10 mins</i>	49
12	Level 4 Working Group Updates	Updates on Tranches 2, 3, and 4, from design working groups	Information	Programme (Ian Smith & Claire Silk)	13:05-13:15 <i>10 mins</i>	51
13	Code Drafting Principles	Review draft code drafting principles from CCAG	Discussion	Programme (Andrew Margan)	13:15-13:25 <i>10 mins</i>	53
14	Summary and Next Steps	Summarise actions and plan agenda for next meeting.	Information	Chair & Secretariat	13:25-13:35 <i>10 mins</i>	55

Attachments

Attachment 1 – CCIAG ToR v0.3

Attachment 2 – MHHS IPA Baseline Assurance Health Check ToR vFINAL

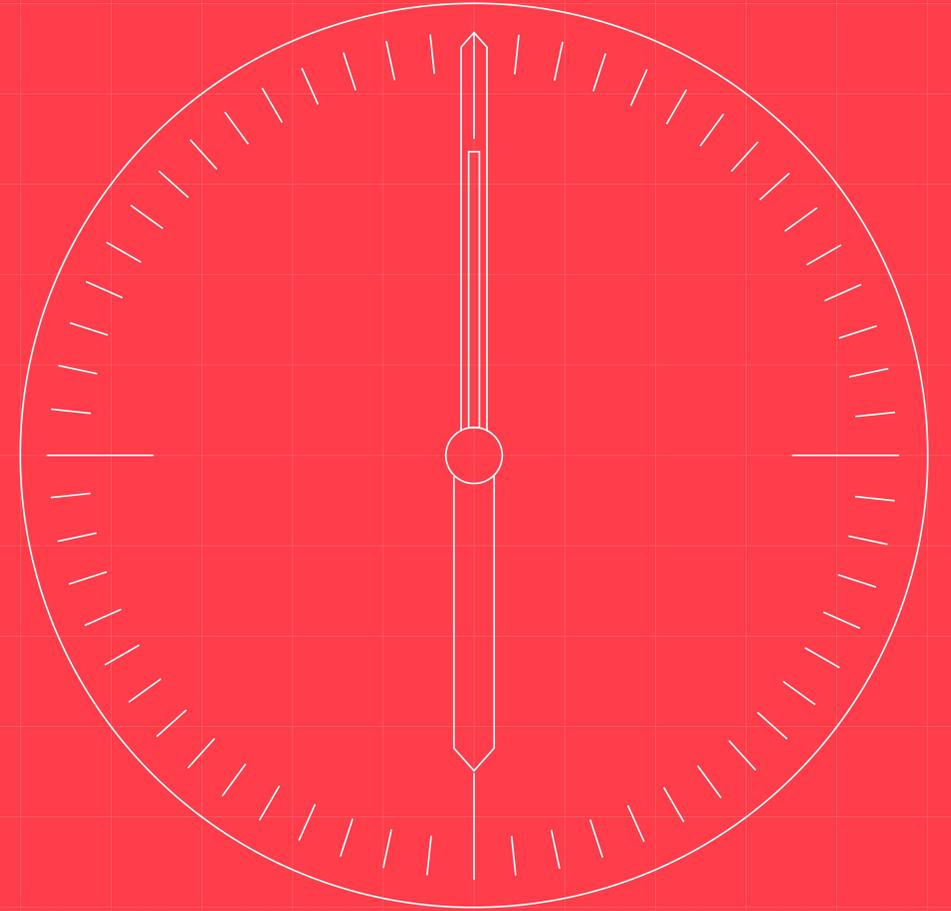
Attachment 3 – Design Artefact Review Process

Minutes and Actions

DECISION: Approval of minutes and review of actions

Chair & Secretariat

10 mins



Minutes and Actions Review (1 of 2)

- Approval of Minutes from previous meeting held [11 May 2022](#)
- Outstanding actions:

Ref	Date	Action	Owner	Due Date	Update
DAG06-01	09/03/2022	Review alignment between related MPAN modifications and design subgroup	Programme (Ian Smith)	27/04/2022	ONGOING - Programme (Design Workstream) have reviewed internally and discussion to be held with DAG Member (CH) upon return from leave.
DAG07-03	23/03/2022	Programme to bring future versions of DIP Functional Specification and Non-Functional Requirements to DAG, once further updates incorporated	Programme (Design Team)	11/05/2022	RECOMMEND CLOSED - To be presented under agenda item 5 (Design Decisions)
DAG08-01	13/04/2022	Bring updated DIP Functional Specification and Non-Functional Requirements to the next DAG for approval	Programme (Ian Smith)	11/05/2022	RECOMMEND CLOSED - To be presented under agenda item 5 (<i>Design Decisions</i>)
DAG08-02	13/04/2022	Issue call for agenda items or discussion topics prior to mobilisation of CCIAG	Programme (PMO)	11/05/2022	ONGOING - CCIAG Terms of Reference to be presented under agenda item 11 (<i>Consequential Change Impact Assessment Group</i>) and call for discussion topics to be issued with notice of mobilisation of group.
DAG08-10	13/04/2022	Bring design elements of RAID log for review at next meeting	Programme (PMO)	11/05/2022	RECOMMEND CLOSED - Programme RAID Manager attending DAG to provide overview of design-related risks. To be discussed under agenda item 10 of 11 May 2022 meeting.
DAG09-01	11/05/2022	Liaise with Programme SRO team to present information to DAG on the IPA work package related to the scope of independent assurance on Programme design work	Chair	08/06/2022	RECOMMEND CLOSED: MHHS IPA Baseline Assurance Health Check ToR published with DAG papers for 08 June 2022 meeting.
DAG09-02	11/05/2022	Share list of the design document repository user group volunteers with DAG members	Programme (Paul Pettitt)	18/05/2022	
DAG09-03	11/05/2022	Provide detailed action plan for resolution of open design issues against T1 design artefacts	Programme (Claire Silk)	25/05/2022	Ongoing - Status and next steps clarified for outstanding issues. Scheduling still in progress
DAG09-04	11/05/2022	Produce guidance outlining how parties can engage with design artefact review process, including how issues can be raised	Programme (Claire Silk)	25/05/2022	RECOMMEND CLOSED- MHHS- DES06- Design Artefact Review Process published on MHHS Portal and communicated to Working Groups

Minutes and Actions Review (2 of 2)

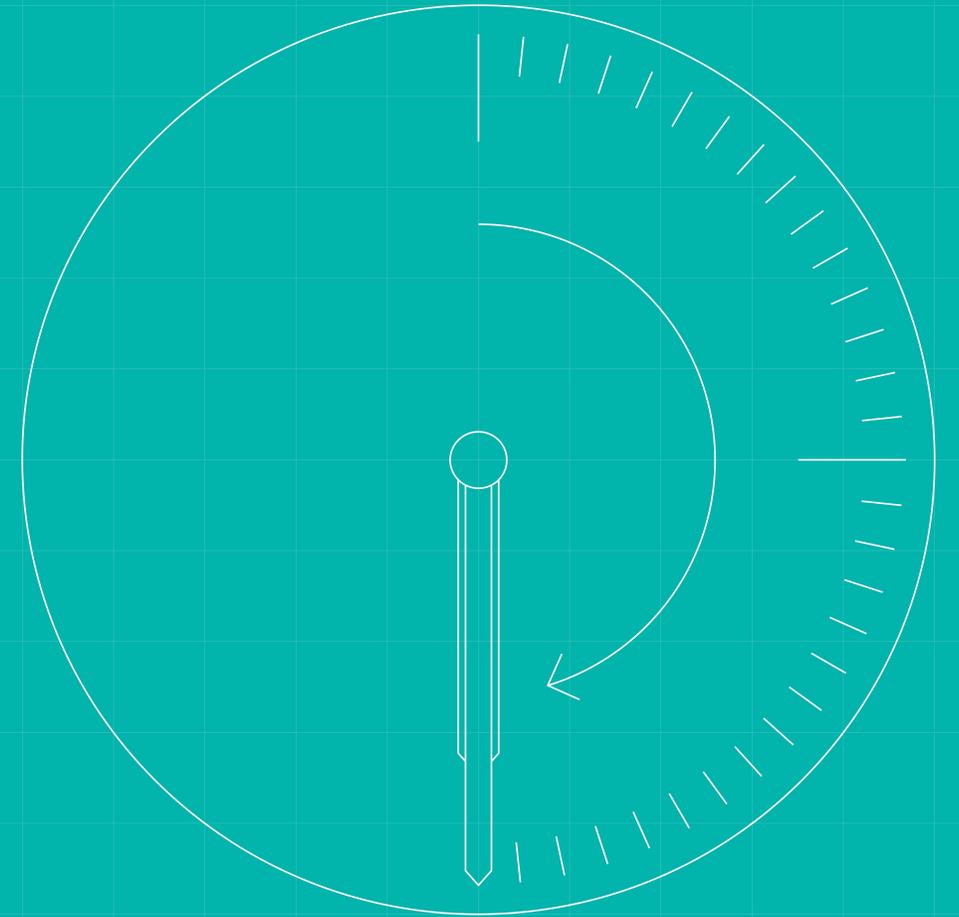
Ref	Date	Action	Owner	Due Date	Update
DAG09-05	11/05/2022	Programme to liaise with Programme Participants who have queries on the Programme Design Team's responses to comments on the Tranche 1 design artefacts	Programme (Ian Smith)	08/06/2022	Ongoing - Status and next steps clarified for outstanding issues. Scheduling still in progress
DAG09-06	11/05/2022	Advise constituents who have expressed concerns on Programme responses to comments on Tranche 1 design artefacts to contact the Programme Design Team (Design@mhhsprogramme.co.uk)	DAG Members	08/06/2022	
DAG09-07	11/05/2022	Add dependency to outstanding design issues log to capture ongoing assessment of MDR TRT requirements in relation to SEC MP162	Programme (Ian Smith)	18/05/2022	RECOMMEND CLOSED - Routing Matrix present on Dependencies List
DAG09-08	11/05/2022	Add dependency to outstanding design issues log under routing to ensure other mechanisms for publishing data to other parties is captured	Programme (Ian Smith)	18/05/2022	RECOMMEND CLOSED - Routing Matrix present on Dependencies List
DAG09-09	11/05/2022	Add dependency to outstanding design issues log regarding technical resolution of delivery of load shape data to non-DIP actors	Programme (Ian Smith)	18/05/2022	RECOMMEND CLOSED - Non-DIP recipients of LSS resolution on Dependencies List
DAG09-10	11/05/2022	Add dependency to outstanding design issues log relating to ensuring design collateral is sufficient to enable code drafting. IS to review example of this and confirm sufficient for code drafting.	Programme (Ian Smith)	08/06/2022	Ongoing- Issue captured and prototyping to be scheduled
DAG09-11	11/05/2022	Add dependency to outstanding design issues log regarding Programme approach to resolving material design issues which emanate from design assurance process.	Programme (Ian Smith)	08/06/2022	Ongoing- Approach to be communicated
DAG09-12	11/05/2022	Provide a clear plan for the resolution of the recorded outstanding issues related to the Tranche 1 design artefact approval	Programme (Design Team)	25/05/2022	Ongoing - Status and next steps clarified for outstanding issues. Scheduling still in progress
DAG09-13	11/05/2022	Consider whether further extraordinary DAG meeting required to discuss latest information relating to the Smart Energy Code (SEC) Modification Proposal (MP) 162	Programme (Design Team)		Ongoing - have not identified a requirement at this point however recognise that this may materialise so will continue to assess
DAG09-14	11/05/2022	Issue correspondence to DAG members seeking approval decisions on the latest Data Integration Platform (DIP) Functional Specification and Non-Functional Requirements document, and approval of the Consequential Change Implementation Advisory Group (CCIAG) draft Terms of Reference, and seeking comments on the code drafting principles provided by the Cross Code Advisory Group (CCAG)	Programme (PMO)	13/05/2022	RECOMMEND CLOSED:
DAG09-15	11/05/2022	Review length forward DAG meetings to ensure sufficient time to discuss all agenda items	Programme (PMO)	13/05/2022	RECOMMEND CLOSED:

Open Design Issues Management

INFORMATION: Update on the management of open design issues

Programme – Ian Smith & Warren Fulton

15 mins



The members of the Design Advisory Group are kindly requested to observe the following actions for the DAG meeting on: **8 June 2022**

Request no.	Description	Action	Constituency response required
1	Consult with your constituencies and comment on whether they agree with the proposed Target Outcomes and Success Criteria and propose amendments if required (2.1 – 2.3)	Comment	All constituencies
2	Consult with your constituencies and comment on whether they agree with the proposed DAG Baseline governance processes and propose amendments if required (2.4 – 2.4.4)	Comment	All constituencies
3	Consult with your constituencies and comment on whether they agree with the proposed Severity Categories to be used for Baseline issue management and propose amendments if required (2.5)	Comment	All constituencies
4	<p>Consult with your constituencies and confirm their position on the following questions for Tranche 1 and 2. Should your constituency not agree, members are kindly requested to email detailed information supporting their constituencies decision to design@mhhsprogramme.co.uk prior to the DAG meeting (this information will be used to record and report on corrective measures to address concerns)</p> <p>4.1 Does your constituency agree with the information in the Baseline dashboard (1.1) 4.2 Does your constituency agree with the information in the Baseline issue register (1.2) 4.3 Does your constituency agree with the Design Team View in the Baseline dissensus register (1.3) 4.4 Does your constituency agree with the information in the Baseline dependency register (1.4)</p>	Decision	All constituencies

1.1 MHHS Design Baseline Dashboard

1. Artefact status (T1-4)	#
In Development	57
In Level 4 review	10
In Assurance review	17
Conditionally approved	24
Baselined	0
Placeholder (To be determined if required)	7
Removed (Deemed not required)	7

2. Comments from Reviews (T1-2)	#	
Artefact updated	755	Comment resulted in a change to an Artefact
Request for Clarification	229	Comment was a Request for Clarification
Rejected	202	Comment was rejected
Open comments	247	These Comments are still 'open' because they will be addressed by DEPENDENCIES (section 1.4) in subsequent tranches or are related to a BASELINE DESIGN ISSUE (table 3, section 1.2). The original comment response will be updated and shared with the comment owner when the relevant Artefact / Design Issue has been addressed.

3. Baseline Design Issues	#
Severity 1	0
Severity 2	0
Severity 3	7
Severity 4	20
Severity 5	2
Propose to close	3
DAG approved closed	0

4. Dissensus	#
Awaiting DAG review and decision	4
Decided	0

Notes:

Table 1 - Reports on the status all the Design Artefacts

Table 2 - Reports on the status of all comments received from Participants during the Level 4 and Assurance review of Artefacts

Table 3 - Reports on issues that are attached to the Conditional Approval of Artefacts, and which must be appropriately addressed in order to baseline an Artefact

Table 4 - Reports on key matters where consensus has not been achieved

1.2 MHHS Design Baseline Issue Register (1 of 3)

Tranche	ID	Issue	Description	Potential Impact	Severity	Action	Status	Artefact(s) and sections updated	Issued for Assurance Review?	Artefact(s) approved by DAG?
Tranche 1	SNG_001	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	3- Moderate	Prepare slide deck incorporating examples of interfaces with physical equivalents and share with BPRWG	Open- Resolve in Tranche 4			
Tranche 1	SNG_002	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 BP008 (Metering) & BP009 (De-energisation) new interface	3- Moderate	Resolution Incorporated into planned production of D0142 replacement artefacts. There artefacts are planned for Tranche 4.	Open- Resolve in Tranche 4			
Tranche 1	SNG_003	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	Propose Closed	Intention to resolve defining date times in DiP interfaces according to ISO 8601 Should clarify this position - believe no further activity required	Propose Closed	No changes to conditionally approved artefacts required	N/A	
Tranche 1	SNG_004	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	4- Minor	Resolution Incorporated into planned production of Related MPAN artefacts in Tranche 4	Open- Resolve in Tranche 4			
Tranche 1	SNG_005	Domestic Indicator Process	MHHS artefacts to be checked to ensure alignment with current CSS Domestic Indicator Process	Potential redundant element of process as covered elsewhere - BP010	4- Minor	Updated BP010 to remove supplier maintenance of domestic indicator and reflect this is now updated directly into the registration service from CSS	Updated- Ready for Review	BP010 updated- reference to supplier maintenance of domestic indicator removed and updated to show updated directly into the registration service from CSS	To be Scheduled	
Tranche 1	SNG_006	RMP Status	Align MHHS processes against RMP status held in registration service	Potential change to validation rules	4- Minor	Info received from SCS - time required to review validation rules. Will be incorporated in registration validation rule definition deliverable	Open- Resolve in Tranche 4			
Tranche 1	SNG_007	CSS Disconnection	MHHS artefacts to be checked to ensure alignment with CSS process for disconnection and the trigger to be used for settlement	Potential change to BP007 - Believe requirement is only to notify on CSS status - believe therefore closed. Artefacts reflect CSS status only update position.	3- Moderate	BP007 updated to reflect the CSS process for disconnection	Updated- Ready for Review	BP007- notification of LDSO disconnection to Service Providers removed	To be Scheduled	
Tranche 1	SNG_008	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.	4- Minor	Design team to seek industry views on convention to be used as we have received conflicting views from industry parties	Open- To Be Scheduled			
Tranche 1	SNG_009	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.	Propose Closed	Supplier obligation to record IHD - Decision- no change required to IF005	Propose Closed	No changes to conditionally approved artefacts required	N/A	
Tranche 1	SNG_010	Logical Meter Process	Clarify Logical Meter Install Process	Potential change to BP006	4- Minor	BP006 and BP009 updated to reflect note on Logical Meter Install Process- No further action required	Updated- Ready for Review	BP006 & BP009 updated- note added to reflect Logical Meter Install Process	To be Scheduled	
Tranche 1	SNG_011	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	4- Minor	Design team to hold session with comment owner to clarify position- potential to be resolved via direct communication with comment owner	Open- To Be Scheduled			
Tranche 1	SNG_012	Potential additional UMSO process steps	Suggestion that additional UMSO process steps required within BP006	Potential addition of contextual process steps to BP006	5- Cosmetic	Contextual updates - activity to be prioritised	Open- Low Priority- Work off plan to be agreed			

1.2 MHHS Design Baseline Issue Register (2 of 3)

Tranche 1	SNG_013	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	4- Minor	Approach agreed to only use consent outcome codes irrespective of upstream processes / regimes that derive them - potential to be resolved via direct communication with comment owner	Open- To Be Scheduled			
Tranche 1	SNG_014	Energisation Status from LDSO	Query as to mechanism for LDSOs to notify Metering Services of Meter Changes	Potential change to BP008	4- Minor	BP008 amended to reflect the LDSO notifying Metering Services of meter changes- No further action required	Updated- Ready for Review	BP008 updated to reflect LDSO notifying Metering Services of meter changes	To be Scheduled	
Tranche 1	SNG_015	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	4- Minor	Believe no change required however Design Team to confirm following input from MAPs.	Open- To Be Scheduled			
Tranche 1	SNG_016	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	4- Minor	Believe no change required however Design Team to confirm following input from Suppliers.	Open- To Be Scheduled			
Tranche 1	SNG_017	ECS Meter Point Updates	Reconciliation of attributes required for ECS	Potential interface changes - TBC	4- Minor	Internal activity to reconcile data items incorporated within Transition work	Open- Resolve in Tranche 4			
Tranche 1	SNG_018	LSS Recreation Trigger	Clarification required as to conditions that would result in the recreation of LSS data	Potential Updated requirement	3- Moderate	ECS SWG to consider circumstances as to whether this would be required. If so further process for re-issue and re-processing would be required	Open- To Be Scheduled			
Tranche 1	SNG_019	SDS Expiry Reset	Clarify mechanism to expire SDS notification	Potential interface modification	4- Minor	Mechanism provided to terminate notifications via use of notification end date - no further action required	Updated- Ready for Review	BP004- updated to advise supplier should resend notification with expiry date = processing date in order to effect removal of notification	To be Scheduled	
Tranche 1	SNG_020	Minor Process Updated	Minor Process Updates requiring clarification	Potential changes to BP007, BP009 & BP010	4- Minor	Internal activity underway to make minor modifications	Open- To Be Scheduled			
Tranche 1	SNG_021	Registration Date Time	Confirmation required that Registration time not used in LSS generation calculations and midnight cut-off is used	Potential Updated requirement	4- Minor	Confirmation required that Registration time not used in LSS generation calculations and midnight cut-off is used. To be considered in ECS SWG	Open- To Be Scheduled			
Tranche 2	SNG_022	MDR ID Definition	Clarification on exact definition of role id to be used in CSS/DCC interaction	Physical Interface Design	4- Minor	To be resolved in physical design as part of Tranche 4	Open- Resolve in Tranche 4			
Tranche 2	SNG_023	LLF_ID resolution to Registration Service	Proposal from ECS Sub-working group to include LLF_ID in ISD and Registration Service	TBC	3- Moderate	Potential requirement to incorporate data item into registration flows. Design Team to update	Open- Resolve in Tranche 4			
Tranche 2	SNG_024	PAF Reporting	Further clarification required on PAF reporting	Additional reporting requirements	3- Moderate	Position to be agreed on PAF reporting - likely to be ongoing conversations - risk that incremental requirements may be added. Likely to be resolved to Helix flexible reporting solution	Open- To Be Scheduled			

1.2 MHHS Design Baseline Issue Register (3 of 3)

Tranche 2	SNG_025	Expected Advance Definition	Further detail to be agreed with regard to specific definition of Expected Advance	N/A	4- Minor	Requirement removed - no further action required	Updated- Ready for Review	METH001 updated- requirement removed	To be Scheduled	
Tranche 2	SNG_026	Domestic Volume Tolerance	Discussion required as to tolerance to be applied to domestic consumption in Smart Method Statement	N/A	4- Minor	Requirement removed - no further action required	Updated- Ready for Review	METH001 updated- requirement removed	To be Scheduled	
Tranche 2	SNG_027	COS Reads	Feedback received strongly advocating for exchange of reading at change of supply as opposed to each party deriving consumption	Reintroduce exchange of readings to BP003C	3- Moderate	BP003C updated as COS reads process now re-incorporated into documents - re-issued in Tranche 2- further sub-group discussion required to validate changes	Open- To Be Scheduled			
Tranche 2	SNG_028	LDSO MS Notification	Input required from LDSOs as to whether they require notification of MS de-appointment	TBC	4- Minor	Input from LDSOs required as to whether they require this information	Open- Resolve in Tranche 4			
Tranche 2	SNG_029	D0302/D0255	Decision requires as to incorporation of these flows on to the MAP - does not change substance of design	Potential Change to BPM006 & BP009	5- Cosmetic	Believe no change required however Design Team to confirm following input from MAPs.	Open- To Be Scheduled			
Tranche 2	SNG_030	DCC timing	Decision required as to additional event to notify SDS of MDR notification to DCC	N/A	4- Minor	Now incorporated in Registration requirements	Updated- Ready for Review	BP003A- updated to include notification to the Data Service that MDR had been confirmed by DCC	To be Scheduled	
Tranche 2	SNG_031	IF036 Sequence Change	Clarification on sequencing of IF036	Potential change to IF036	Propose Closed	Discussed and whilst suggestion not without merit Design Team agreed that change was not necessary. Comment updated	Propose Closed	No changes to conditionally approved artefacts required	N/A	
Tranche 2	SNG_032	Change of Service - Linked Change of Metering and Data Service	Clarification to be provided on the treatment of linked Data and Metering Service appointment changes. When notifying linked parties process seeks to send best information of linked parties based on a wait step within the process to capture instances where supplier seeks to change both Metering and Data Service.	Potential Change to BPM006 and BPM009	4- Minor	Believe process sound following internal design discussions however discussion required with two parties who have raised this issue.	Open- To Be Scheduled			

1.3 MHHS Design Baseline Dissensus Register

ID	Non Consensus Issue	Severity	Artefacts	Stakeholder 1	Stakeholder 2	Design Team View	Action
DIS001	Service Appointment initiation	4- Minor	BP002- Change of Service - Metering Service BP003- Change of Service - Data Service	Certain agents have expressed a preference to constrain the timing of initiation of service appointment	Suppliers have expressed a desire to maintain the current status quo where the service appointment timing is unconstrained	Concur with supplier view Rationale: To avoid late appointments that could result from a constrained timescale- would effectively make all appointments retrospective	Escalate to DAG Rationale: Do not believe that consensus can be reached at SWG level
DIS002	Change of Segment process	4- Minor	BP011- Change of Market Segment and/or Connection Type	Independent Agent has proposed an alternative process which differs from approaches taken for other processes.	The alternative approach was presented to the Working Group and circulated for comment- no response was received expressing favour for opting for the alternative	Rationale: The Change of Segment process is based upon the blueprint for the Change of Service process. Some elements from the alternative process proposed have been incorporated into the design, however the Design team feel that to follow the alternative process in its entirety would drive inconsistency across the MHHS processes. Low priority as low volume of events	Escalate to DAG Rationale: Do not believe that consensus can be reached at SWG level
DIS003	Change of Segment- alignment of service appointment and meter works date	4- Minor	BP011- Change of Market Segment and/or Connection Type	Independent Agent has proposed inclusion of business rules to allow retrospective alignment of appointment date to meter works date	No views have been received via Working Group or Review process either in favour or opposing this view	Rationale: The Design team believe that this would result in imposing business logic across multiple parties. We also believe that existing REC obligations prohibit meter works outside period of appointment Low Priority as low volume of events	Escalate to DAG Rationale: Seeking input from other constituencies
DIS004	Customer Direct Contract Flag Maintenance	4- Minor	BP002- Change of Service - Metering Service BP003- Change of Service - Data Service	Independent Agents have proposed that only the incumbent should update the Customer Direct Contract Flag.	Other participants have expressed a view that the process should not be defined as part of MHHS	Design Team feels there is value in other participants having access to update this flag as this deals with a scenario where a site with a customer contract is assigned to an incorrect service	Escalate to DAG Rationale: Do not believe that consensus can be reached at SWG level

1.4 MHHS Design Baseline Dependency Register

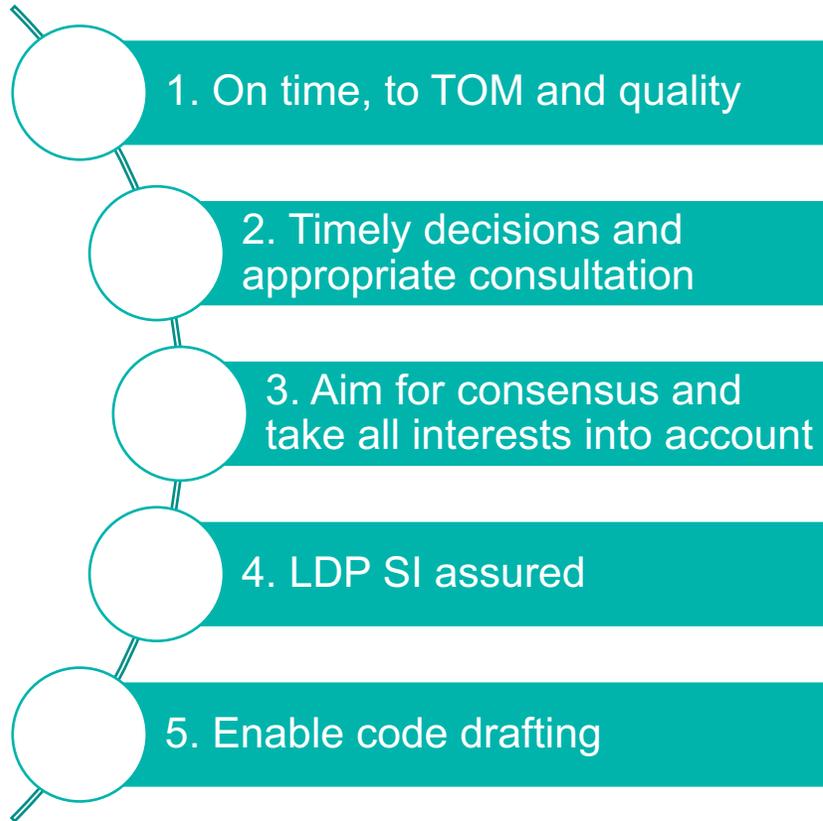
DEP-ID	Comment Theme	Tranche	Notes	Status
DEP_001	SDS Reporting	3	Element of process map refers to SDS reporting which will be dealt with holistically with reporting in Tranches 3 & 4	Open
DEP_002	Business Process Descriptions	3&4	A number of Process Description artefacts will be delivered in Tranches 3 & 4	Open
DEP_003	LDSO Data Resolution	4	A number of BPMs will likely be impacted once the position with LDSO data provision is resolved	Open
DEP_004	Routing	4	The secondary routing matrix will be finalised in tranche 4 providing the holistic view of routing options for all flows	Open
DEP_005	ISD	4	Comments received pertaining to the finalised version of ISD which will be delivered in Tranche 4	Open
DEP_006	Reconciliation/Enquiry	4	Comments received pertaining to the resolution of reconciliation/enquiry requirements	Open
DEP_007	LDSO Interactions	4	Comments received with regard to interactions with DNOs to be clarified in T3/4.	Open
DEP_008	SLAs & "Square Brackets" & Archiving	3&4	Dependent on NFRs and Choreography	Open
DEP_009	Transition	4	Transition activity - T4	Open
DEP_010	Change of Segment	4		Open
DEP_011	Change of Service	2		Open
DEP_012	Physical Interface Resolution	4	Comments referring to detail of physical resolution	Open
DEP_013	Operational Choreography	3&4		Open
DEP_014	Interface Update	3&4		Open
DEP_015	Import Export & Related MPANs	3		Open
DEP_016	Consumption Adjustments/Correction	TBC		Open
DEP_017	Non Functional Requirements	4		Open
DEP_018	ECS Reporting Requirements	4		Open
DEP_019	SDS Consideration of MDR TRT			Open
DEP_020	Resolution of LSS Delivery to non-DiP actors	4		Open
DEP_021	Registration Validation Rules	4		Open

2.1

Target stakeholder outcomes

	PRE M5	POST M5
DAG	<ol style="list-style-type: none"> 1. We believe the Design meets the TOM requirements 2. We believe the Design meets the agreed design principles 3. We believe the Design is complete and sufficient to enable participants to commence their own detailed design, and that the SI have appropriately assured it 4. We believe all open material design issues have been resolved, and any residual issues and work-off plans are agreed 5. We believe the change request process and the SI facilitation thereof is appropriate 6. We believe the Design is defined appropriately to allow Code drafting to reflect the design without further design debate or further clarifications 	<ol style="list-style-type: none"> 1. We have sight of all Design Change Requests and are the primary decision making body for making recommendations for approving or rejecting design changes 2. We are satisfied that the Design Artefacts are being maintained 3. We have the ability to constitute sub-Working Groups to consider and develop change in response to change requests
Participants	<ol style="list-style-type: none"> 1. I have had the opportunity to engage in the development and review of the Design Artefacts 2. My contributions have been used or I have received reasonable justification as to why not 3. I know what to expect post M5 4. As an experienced industry technical person, I believe the Design Artefacts can be used to commence my detailed design activities and any associated sourcing of software and services 	<ol style="list-style-type: none"> 1. I can access the Design Artefacts 2. I have access to the SI and Design SME's to help me understand the Design 3. I have visibility of Change Requests and the impact on the Design Artefacts 4. I can raise Change Requests and they are considered and actioned as appropriate 5. I can commence my detailed design activities and any associated sourcing of software and services
CCAG	<ol style="list-style-type: none"> 1. We have been kept updated of Design progress to enable the code resource plan to be developed 2. We believe the Design is defined appropriately to allow Code drafting to reflect the design without further design debate or further clarifications 	<ol style="list-style-type: none"> 1. We can draft code changes using the Design 2. We have sight of Design Change Requests and can manage the impact on the codes

These success criteria have been derived from the BSC C12 and the MHHS Governance Framework to provide a framework to support DAG with the Baseline of the Design



1. The Senior Responsible Owner (SRO) will ensure the efficient, economical and co-ordinated design of IT Systems and business processes for MHHS Implementation, in accordance with the MHHS Target Operating Model (TOM) and implementation plan baselines

2. The SRO will ensure that decisions are taken in a timely way, whilst ensuring that appropriate consultation of all Programme parties is carried out at all stages

3. The SRO should aim for consensus wherever possible and seek to take into account the interests of all Programme parties and consumers

4. The LDP SI will assure that all necessary Design Artefacts were complete and sufficient to enable all parties to detailed design, build and test their systems ahead of integration or user testing

5. The Design will be appropriately defined to allow Code drafting to reflect the design without further design debate or further clarifications

2.3 Baseline success criteria

1. DELIVERY

- 1.1 The Artefacts were delivered on time, with no unresolved significant design issues
- 1.2 There was a clearly defined architectural framework and associated principles
- 1.3 The architectural framework and principles were applied according to the Programme objectives and the business case
- 1.4 The Design documentation was clear, complete and to an appropriate level of detail to enable Participants to commence detail design activities
- 1.5 The Design aligned to the TOM as set out by the CCDG and Architecture Working Group (AWG)
- 1.6 The Design showed how the various components integrate with each other
- 1.7 There were appropriate data, process, and technical models, sufficiently cross-referenced, consistent, and complete
- 1.8 The Design will support effective and efficient testing
- 1.9 The Design defined how the system will be managed during operation, including outages/disruption and system recovery across all parties
- 1.10 A clear process had been followed to derive and validate the assumptions on which non-functional requirements are based
- 1.11 The design activity aligned and supported the pre M5 activities of Central Parties (E.g. Helix development prior to M5, Data Integration Platform procurement)
- 1.12 The Design mapped to components being developed outside the MHHS Programme (e.g. Elexon Helix and SEC MP162, REC CP R044)

2. CONSULTATION

- 2.1 The project mechanisms were sufficient for Industry Consultation (e.g. DAG and the sub Working Groups) and for providing sufficient input and challenge on the design
- 2.2 Sufficient Programme Participants sufficiently engaged in the design process to support a robust end-to-end design
- 2.3 The design milestones were consistent with other Programme milestones

3. CONSENSUS

- 3.1 Sufficient time was provided for industry engagement to resolve open design decisions
- 3.2 Non-consensus was managed fairly, constructively and transparently
- 3.3 DAG approved the design (final baseline decision)

4. ASSURANCE

- 4.1 The SI assured that all necessary Design Artefacts were complete and sufficient to enable all parties to detailed design, build and test their systems ahead of integration or user testing.
- 4.2 The next steps (e.g. post Design baseline awareness sessions, other Programme activities, replan etc.) post M5 were agreed, communicated and understood by Programme parties

5. CODE DRAFTING

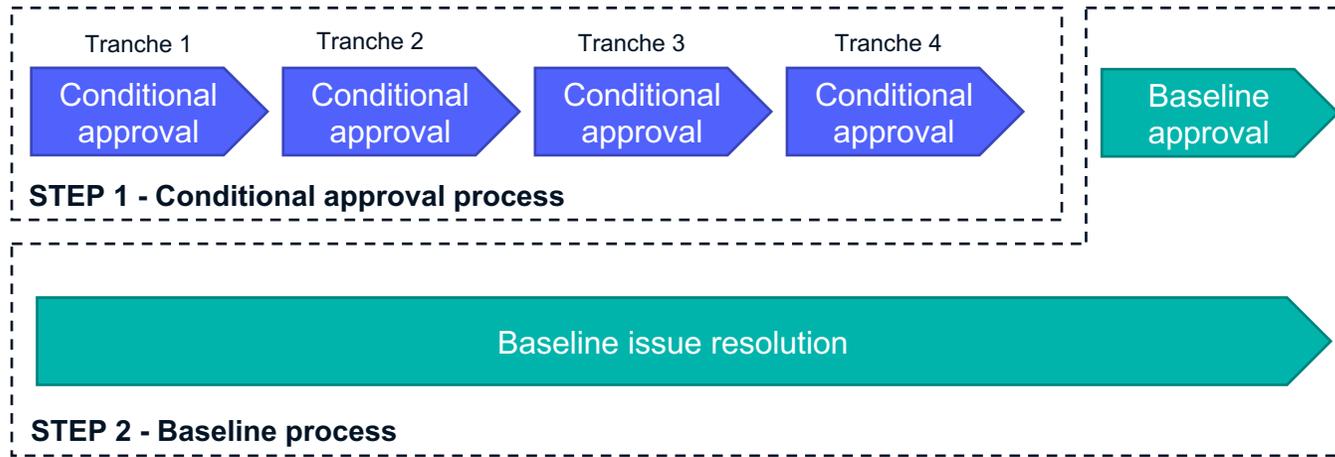
- 5.1 The Design is defined appropriately to allow Code drafting to reflect the Design without further design debate or further clarification
- 5.2 There is an agreed approach to Code drafting that is driven by the Design
- 5.3 Impacted Code Bodies' resources are available and plans agreed to draft changes following completion of the Design

Herewith a summary of Baseline governance pre and post M5, supported by lower level processes in the subsequent slides

PRE M5

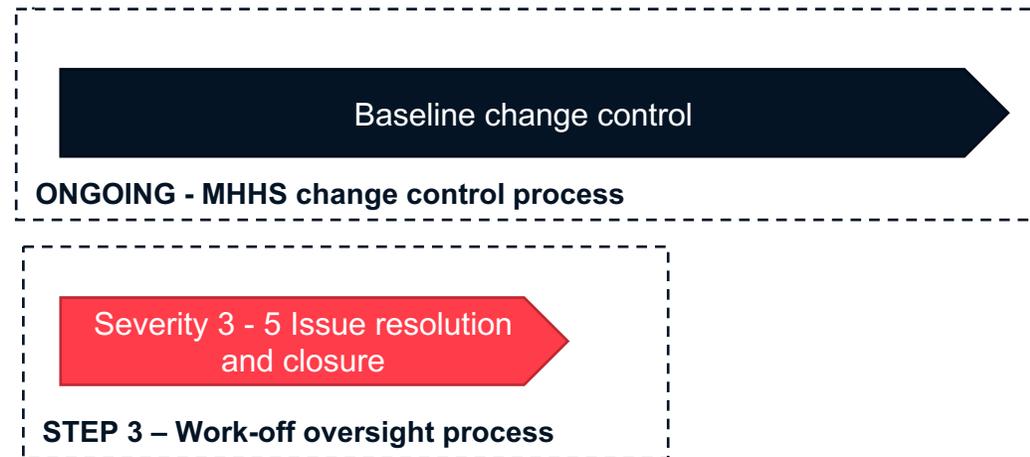
POST M5

STEP 1 - When an Artefact is conditionally approved, DAG are essentially saying "given what is known and understood at this point in time, we believe these Artefacts do not require further Working Group analysis, except for any matters noted as Baseline Issues, which need to be appropriately addressed in order for the Artefact to be 'fully baselined'".

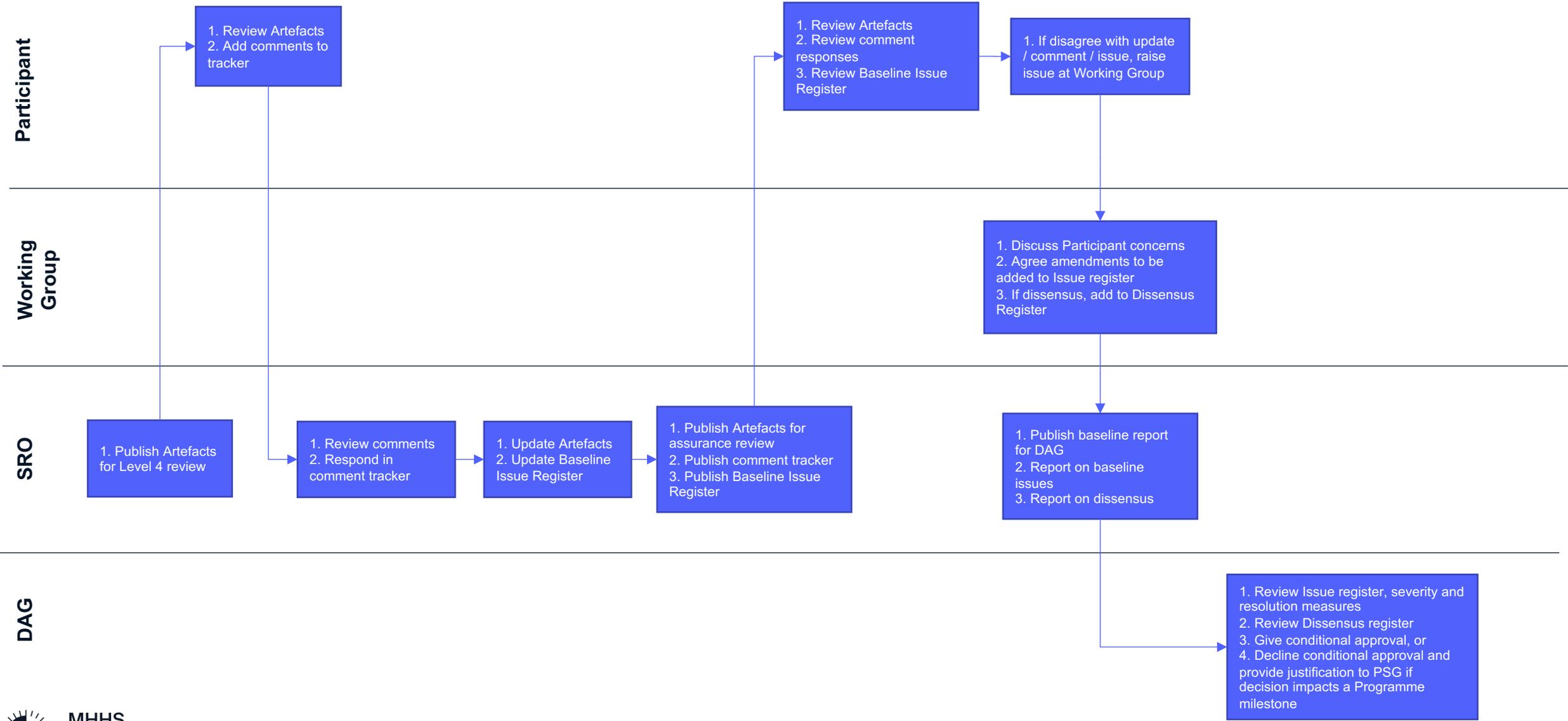


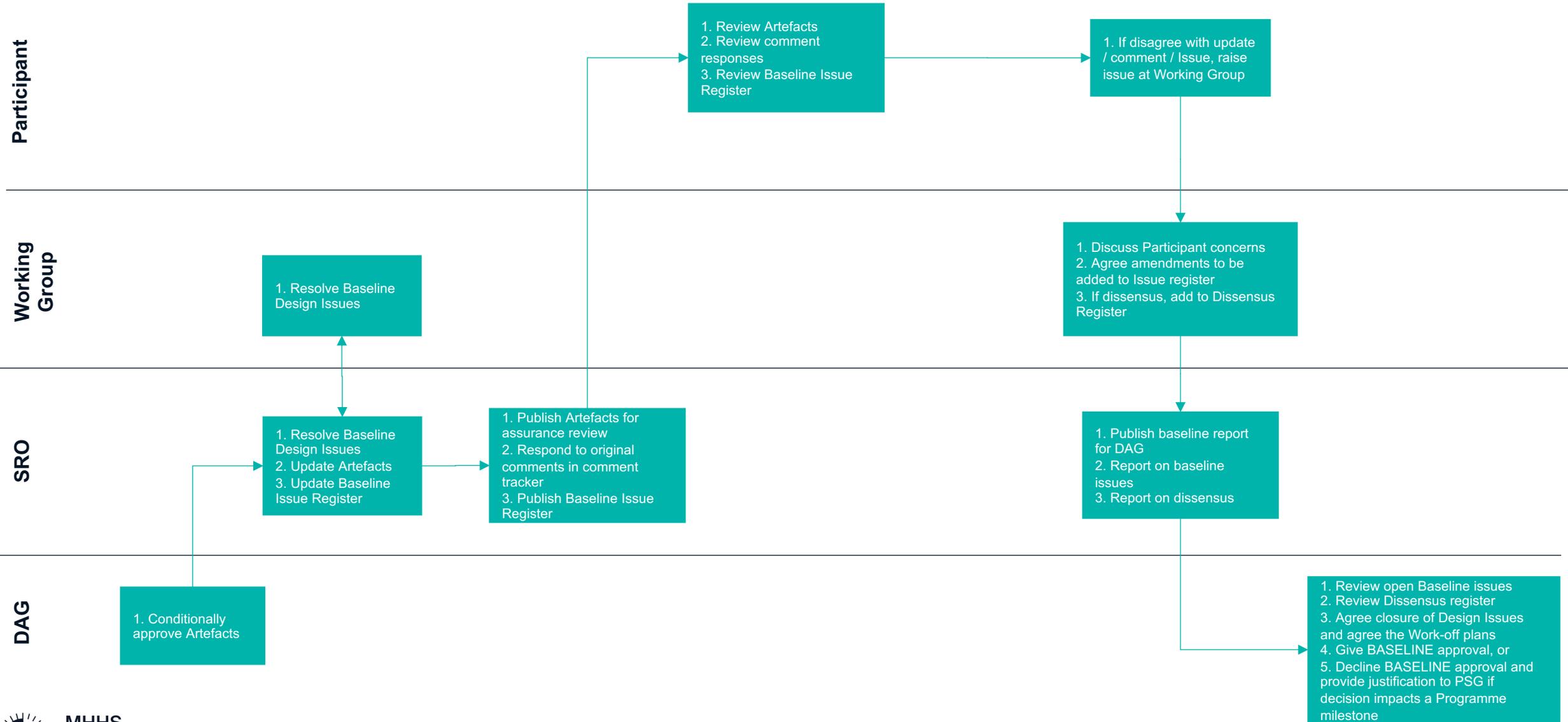
STEP 2 – The purpose of the baseline issue resolution process is to manage the resolution of baseline issues associated with Conditionally Approved Artefacts.

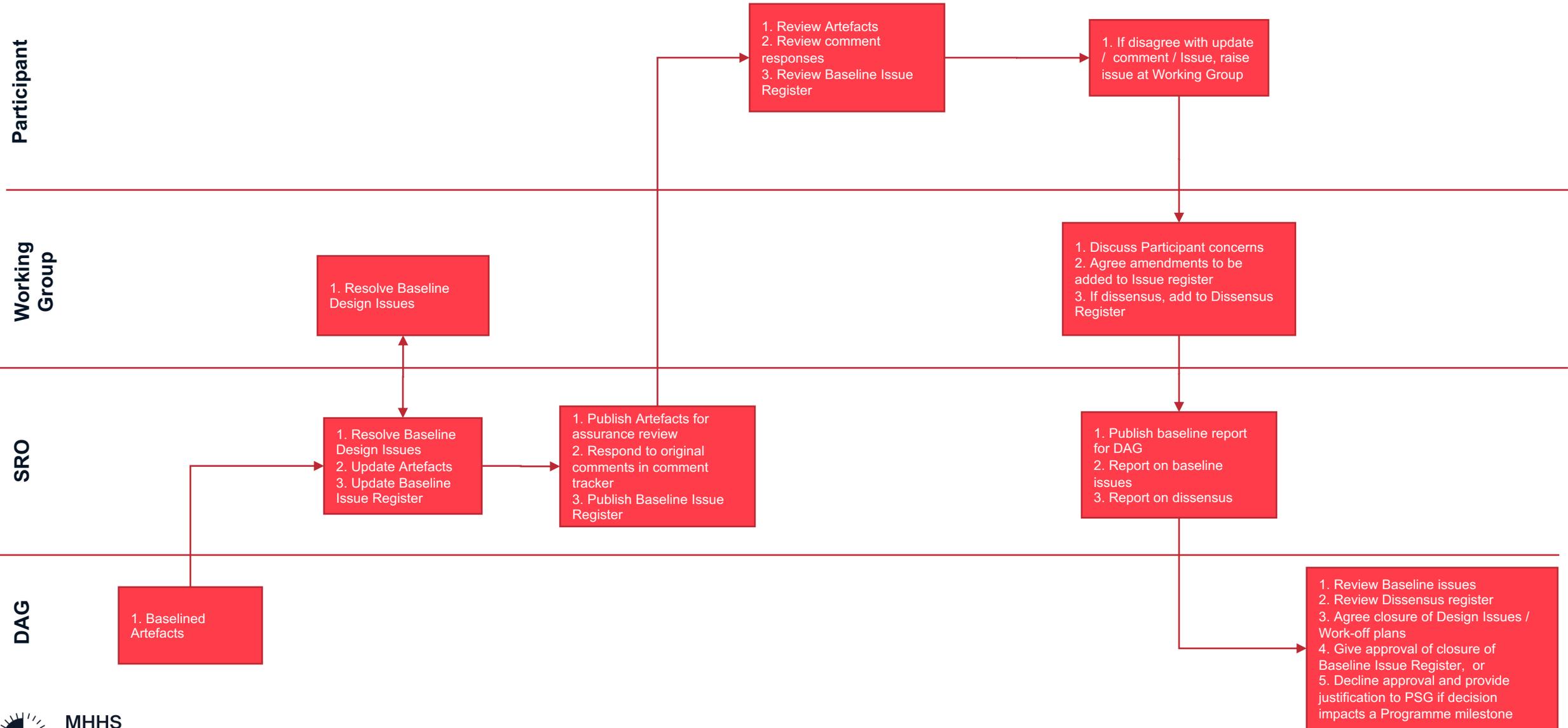
The MHHS change control process manages any Design changes post M5 that are not associated with Baseline Design Issues



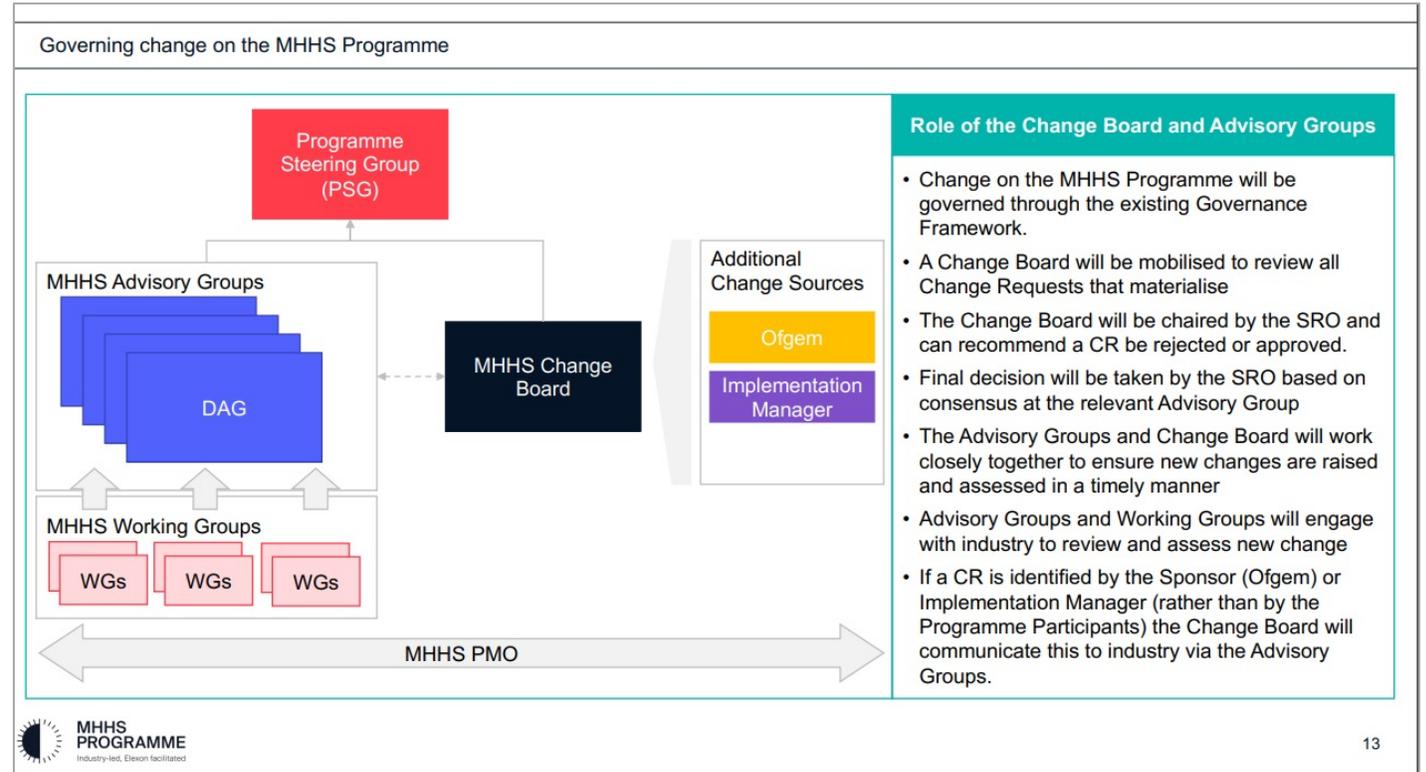
STEP 3 – The purpose of the work-off oversight process is to manage the closure of any DAG agreed baseline issues that exist post M5.







- Once Baselined, any Design changes that are not associated with Baseline Design Issues must followed the MHHS Change Control Process
- The change control process can be found on the MHHS website, and using this [link](#)



Summary of the role of the Advisory Groups in the MHHS Change Control process

2.5 Design Baseline Issue severity categories

These severity categories will be applied to Baseline Design Issues and SI QA issues, to guide prioritisation and the Baseline decision

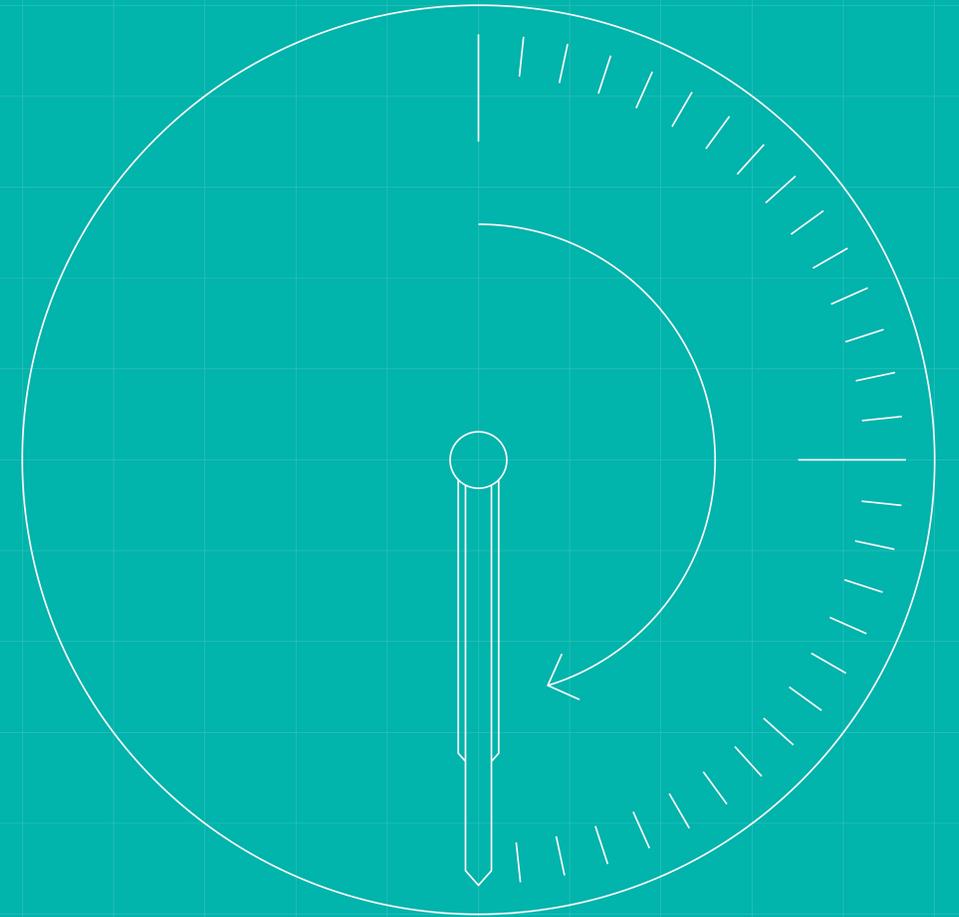
SEVERITY	CAN ARTEFACTS BE BASELINED AT M5 WITH THESE ISSUES?	DESCRIPTION	ISSUE	IMPACT Participant / Code body cannot complete an impact assessment or internal design / code drafting for	EXAMPLE
1-Critical	NO	Design deficient to the extent that participants would be unable to complete any element of their own impact assessments and subsequent Internal Design	The Design is substantially incomplete or incorrect	Any element of the design	<ul style="list-style-type: none"> · Fundamental change to a core TOM Component · Clarity not present on key underlying technology such as core interface connection technology
2-Major	NO	Design deficient to the extent that participants would be unable to complete a significant proportion of Impact assessment and internal design where a key process or fundamental requirement is flawed, incomplete or a material decision is pending.	A critical process or fundamental requirement is incomplete or incorrect	A significant portion of the design	<ul style="list-style-type: none"> · Business issue that would impact and invalidate multiple key processes for example a core deficiency in logic regarding external COS processing that would span multiple MHHS Design processes such as Change of Supplier and Change of Service · Lack of clarity in key technical dimension of system or service such as core encryption patterns
3-Moderate	YES - providing DAG have agreed to a work-off plan and governance controls	Design deficient to the extent that participants would be unable to complete Impact assessment and internal design for an individual process or component in its entirety	An individual process or component is incomplete or incorrect	An individual process or component in its entirety	<ul style="list-style-type: none"> · Issue that rendered invalid an entire key process · Incomplete / Invalid report or interface forming a key dependency for a party's internal design · Volatility in a technical requirement such as error code definition
4-Minor	YES – subject to an agreement on remedial measures	Design deficient to the extent that participants would be unable to complete Impact assessment and internal design for an element of an individual process or component	An element of a process or component is incomplete or incorrect	An element of an individual process or component	<ul style="list-style-type: none"> · Issue that may result in a change to an individual process step or small subset of process steps · Issue that may result in change to an individual technical requirement
5-Cosmetic	YES – subject to an agreement on remedial measures	Modification required to artefacts for reasons of clarity / notation that does not impact the substance of any design or the ability of parties to Impact assess and design against.	Modifications would improve the presentation and clarity of the Design Artefacts	Able to undertake impact assessments and internal design / code drafting, but the experience could be easier	<ul style="list-style-type: none"> · BPMN notation / convention changes · Addition / Removal of contextual process steps · Typos / grammatical errors

Tranche 2 Approval

DECISION: Approval of Tranche 2 design artefacts

Programme – Ian Smith

60 mins



MHHS Design- Tranche 2 Conditional Approval Request

The members of the Design Advisory Group are kindly requested to observe the following actions for the DAG meeting on: 8 June 2022

Request no.	Description	Action	Constituency response required
1	Review the Tranche 2 Conditional Approval slides in the 8 June 2022 DAG papers	Review	All constituencies
2	Review the Baseline Design issues register for Tranche 2 in the 8 June 2022 DAG papers	Review	All constituencies
3	Review the Dissensus register in the 8 June 2022 DAG papers	Review	All constituencies
4	Consult with your constituencies on the suitability of the Tranche 2 Design Artefacts according to the following criteria and convey your constituencies view on the following decisions:	Consult	All constituencies
4.1	Your constituency agrees that the Tranche 2 Design Artefacts meet the requirements of the MHHS TOM and any residual Design Issues are understood and do not significantly impact the stability of the End-to-End Design. If your constituency does not agree, kindly provide detailed information supporting their decision	Decision	All constituencies
4.2	Your constituency agrees that they have had appropriate opportunities to be consulted. If your constituency does not agree, kindly provide detailed information supporting their decision	Decision	All constituencies
4.3	Your constituency agrees that Non-consensus was managed fairly, constructively and transparently. If your constituency does not agree, kindly provide detailed information supporting their decision	Decision	All constituencies
4.4	Your constituency agrees that open Baseline Design issues and dependencies have been explicitly called-out, categorized according to severity and have appropriate work-off measures. If your constituency does not agree, kindly provide detailed information supporting their decision	Decision	All constituencies

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 2 Baseline Design Issues and Dependencies are recorded in the [Design Artefact Tracker](#)

Tranche 3

- Artefacts were issued for BPRWG Review on 25th May

Tranche 4

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

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 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

The DAG's conditional approval should note:

Design artefacts:

- Meet the requirements of the MHHS TOM
- Are stable and there are no unnecessary risk (supported by SI Design team review)
- Been consulted on with MPs in iterations through L4 working groups and 2 rounds on MP review
- Been consensus views at L4 working groups

What asking for DAG conditional approval:

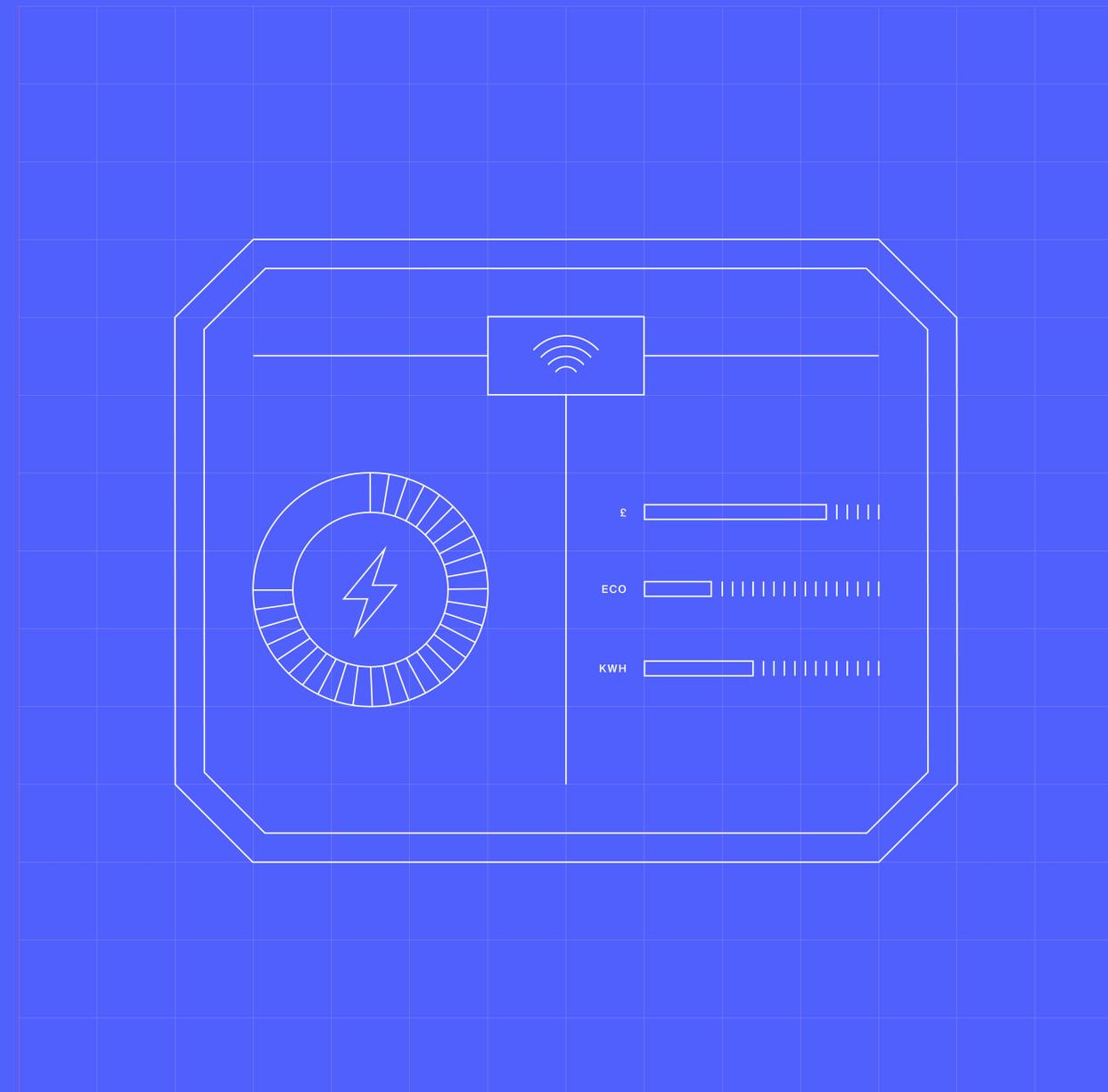
- Note the points above for Tranche 2 design artefacts
- Agree they meet the requirements of the MHHS TOM and are stable and there are no unnecessary risk (supported by SI Design team review)
- Note that, except where there is work on later Tranches, e.g. reporting, transition, interfaces, data catalogue, operational choreography and resolution of open Tranche 1 & 2 design issues, no further work will be done on the Tranche 2 deliverables

MHHS Design Dashboard

INFORMATION: Update on design artefact review and approval cycle

Programme – Ian Smith & Claire Silk

20 mins



Tranche	Sub-Group	Artefacts	RAG		BPRWG Assurance	DAG	Current status and issues
			Last month	This month			
1	Registration	14	●	●	4 th May	11 th May	• Conditionally Approved
	Metering & Data Services	6	●	●	4 th May	11 th May	• Conditionally Approved
	Elexon Central Services	4	●	●	4 th May	11 th May	• Conditionally Approved
	DIP Technical Documents	2	●	●	4 th May	11 th May	• Conditionally Approved
2	Registration	4	●	●	1 st June	8 th June	• Issued for BPRWG Assurance • Interface specifications removed from Tranche 2- consolidated document to be delivered in Tranche 4
	Metering & Data Services	1	●	●	1 st June	8 th June	• Issued for BPRWG Assurance
	Elexon Central Services	12	●	●	1 st June	8 th June	• Issued for BPRWG Assurance
3	Registration	0	●	●			• Change of Segment processes removed from Tranche 3 due to ongoing Sub-Group activity
	Metering & Data Services	3	●	●	29 th June	6 th July	• Issued for BPRWG Review
	Elexon Central Services	6	●	●	29 th June	6 th July	• Issued for BPRWG Review
	Global	0	●	●			• Operational Choreography removed from Tranche 3 due to ongoing Sub-Group activity
	Technical Architecture	1	●	●	TDWG	6 th July	• Issued for TDWG Review

NOTE: A detailed breakdown of the status of each design artefact can be found in the [Design Artefact Tracker](#)

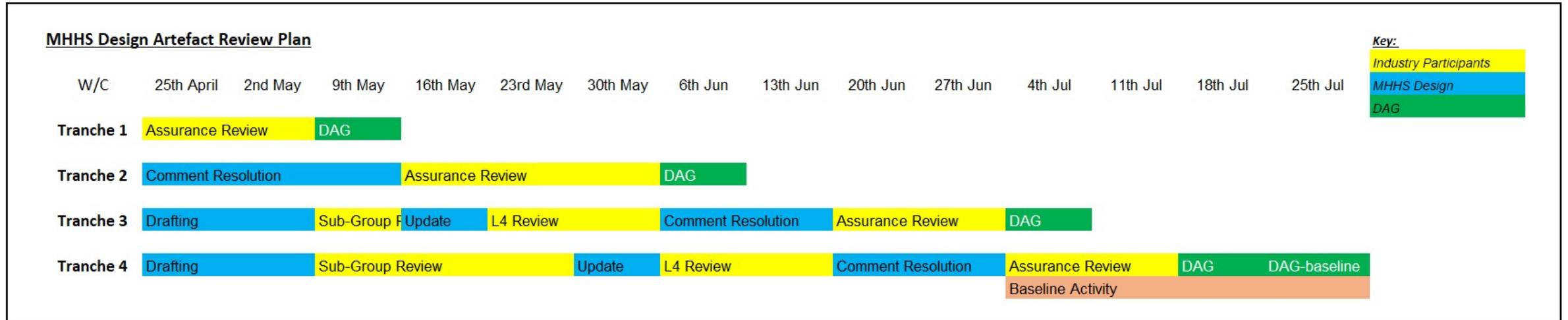
 On track	 Complete
 At Risk	 To be determined
 Not on track, at high risk	

Tranche	MHHS Service	Artefacts	RAG		Planned DAG Month	Expected DAG Month	Current status and issues
			Last month	This month			
4	Registration	34	●	●	13 th July	20 th July	• Drafting in progress- Sub-Group activity to be scheduled
	Metering & Data Services	6	●	●	13 th July	20 th July	• Drafting in progress- Sub-Group activity to be scheduled
	Elexon Central Services	4	●	●	13 th July	20 th July	• Drafting in progress- Sub-Group activity to be scheduled
	Networks	1	●	●	13 th July	20 th July	• Scope to be determined
	Supplier	1	●	●	13 th July	20 th July	• Scope to be determined
	Global	3	●	●	13 th July	20 th July	• Drafting in progress- Sub-Group activity to be scheduled
	Technical Architecture	5	●	●	13 th July	20 th July	• Drafting in progress- Working Group activity to be scheduled
TBC	Registration	2	●	●	TBC	TBC	• Assumption- not required
	Metering & Data Services	1	●	●	TBC	TBC	• Assumption- not required
	Elexon Central Systems	1	●	●	TBC	TBC	• Assumption- not required
	Consumption Adjustment/Settlement Disputes	2	●	●	TBC	TBC	• Assumption- not required
	Network	1	●	●	TBC	TBC	• Assumption- covered by ECS Reporting

NOTE: A detailed breakdown of the status of each design artefact can be found in the [Design Artefact Tracker](#)

	On track		Complete
	At Risk		To be determined
	Not on track, at high risk		

MHHS Design Roadmap



Review	BPRWG Review	Assurance Review	BPRWG Meeting	DAG Meeting
Tranche 1	Completed	Completed	Completed	Completed
Tranche 2	Completed	18 th May-8 th June	1 st June	8 th June
Tranche 3	25 th May – 8 th June	22 nd June- 6 th July	29 th June	6 th July
Tranche 4	8 th June-22 nd June	6 th July- 20 th July	13 th July	20 th July
Final DAG				27 th July

Tranche Approval Principles:

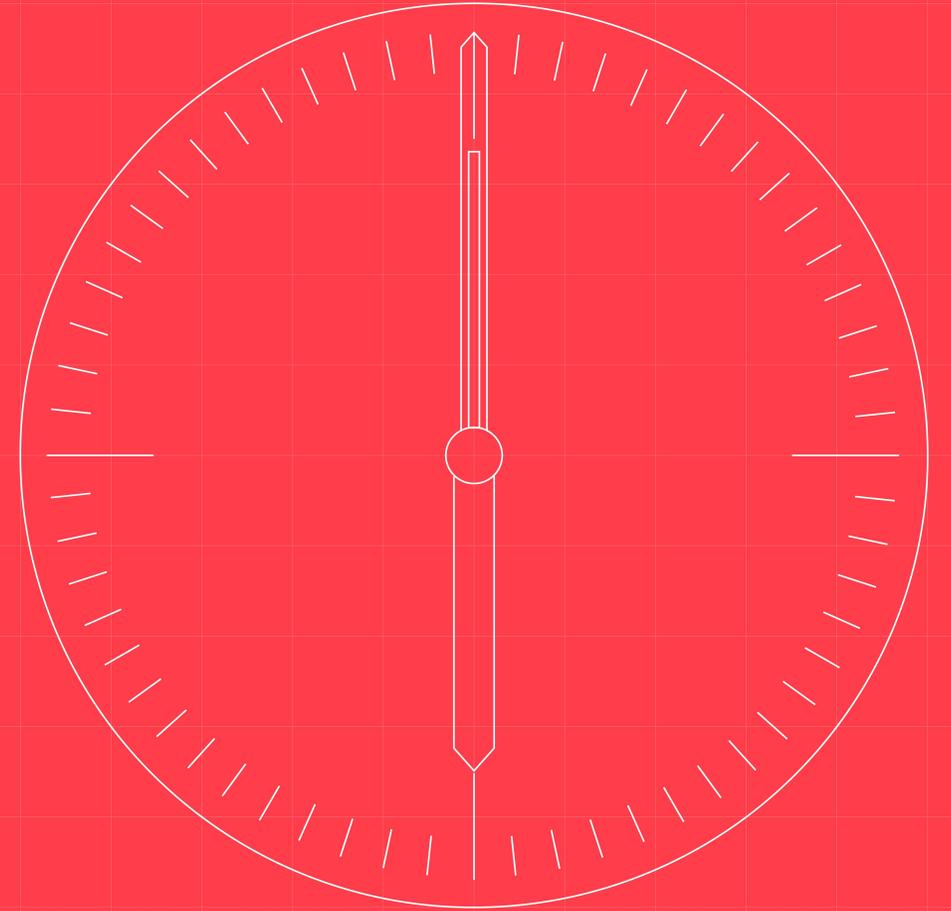
- **Sub-Group Activity-** Purpose to agree detail of design artefacts with industry participants
- **BPRWG Review-** Purpose to review design artefacts and provide feedback
- **Assurance Review-** Purpose to provide assurance that comments have been addressed- no further comments invited
- **Initial DAG-** Purpose to provide Conditional Approval subject to the outstanding issues and action plan to resolve detailed in the DAG Report
- **Final DAG-** Purpose to provide baseline approval of design artefacts following closure of outstanding issues and end to end assurance

Design Decisions

DECISION: Updates on DIP security Updates on Data Integration Platform (DIP) security

Programme – Ian Smith

15 mins



Design Decisions

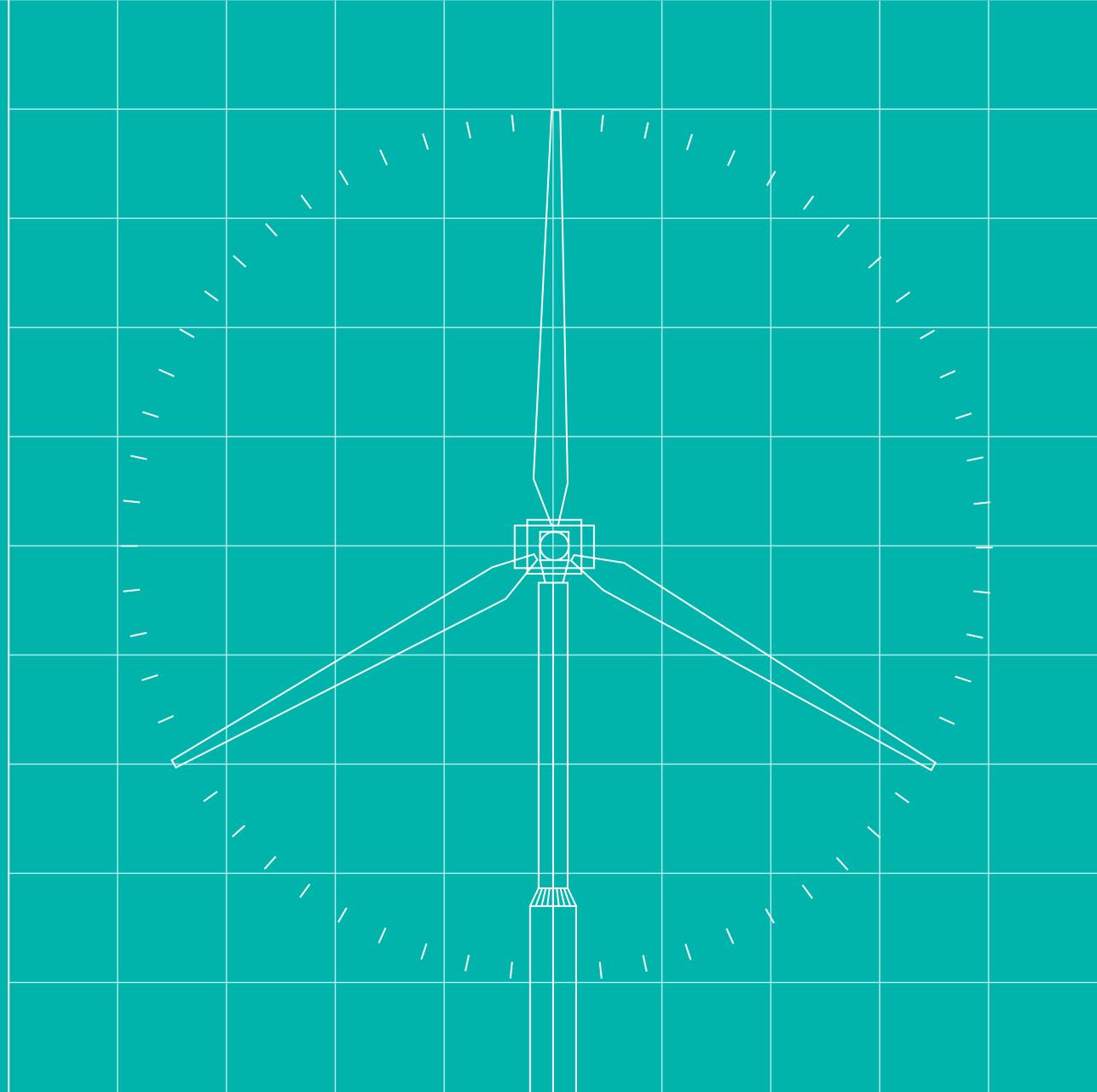
- No further Design decisions required

MHHS Change Control Process

INFORMATION: Overview of the MHHS Change Control Process

Programme – PMO

10 mins



There is a single Change Control process for the MHHS Programme. Clear decision points have been inserted into the process that may allow a change to either be expedited, escalated or passed through as a “housekeeping” change.

These decision points will help to ensure a measured and appropriate level of governance is applied to the Change Control process at all times.

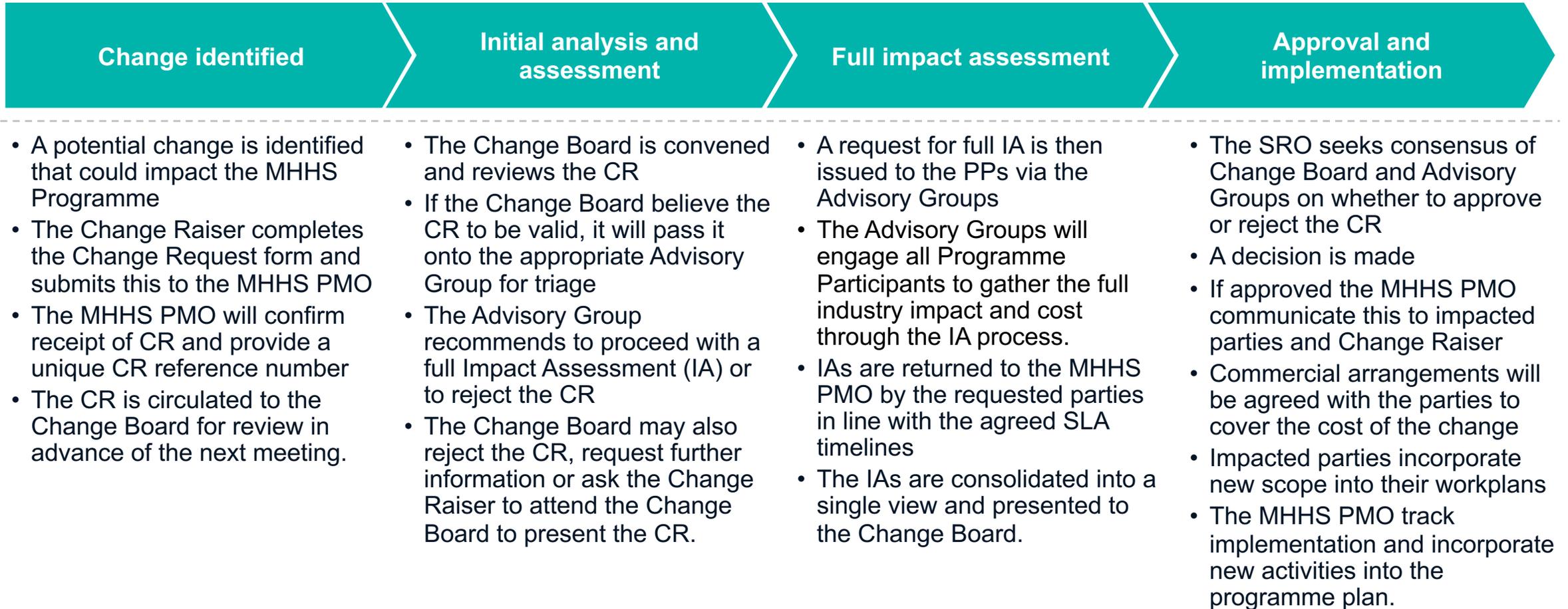
A decision to escalate or expedite a change will be taken by the SRO at the recommendation of the Change Board.

1. An **expedited change** can be enacted when a CR is raised but requires swifter action than the pre-defined SLAs require. These CRs will be managed by exception and fast tracked upon receipt by the MHHS PMO for decision.
2. An **escalated change** may be required if it appears that a CR may exceed the thresholds defined in the MHHS Governance Framework.
3. A **“Housekeeping” change (no impact)** covers administrative changes that have no impact on the programme, such as minor updates to baselined artefacts that have no wider impact on programme outcomes or its deliverables. These changes will be logged with the MHHS PMO and noted at the Change Board for information rather than for decision.

In the case of an expedition or escalation an ad hoc Change Board, Advisory Group and/or Working Group may need to be convened to review the CR and provide a recommendation to ensure there is no delay to timelines.

Phases of the Change Control process

There are four key phases to the Change Control process. These, along with the associated activities, are highlighted in the diagram below:



Note: *The Independent Programme Assurer (IPA) sit on the Change Board as an observer
All parties will have visibility of all Change Requests via the Change Request Log.*

Change Control documents and useful links

There are several key documents and artefacts used to support Change Control on the MHHS Programme. A link to to key material, as well as a description can be found below. For a full view of Change Control materials, including Change Requests and Full Impact Assessment Reports, please visit [MHHS Website – Change Control](#)

#	Document	Description	Classification	Location
1	Change Control Approach	The overarching Approach document for Change Control	Public	Here
2	Change Request Form	The Change Request Form to be completed when raising new Change Requests and submitted to the MHHS PMO	Public	Here
3	Change Request Form – guidance document	Guidance document aiding Change Raisers and Programme Participants to complete the Change Request Form and Full Impact Assessment	Public	Here
4	Change Request Log	Full log of all Change Requests for the MHHS Programme	Public	<i>To be uploaded on Portal</i>
5	Change Request Process Map	Detailed process map articulating the full end-to-end change control process	Public	Here

Change Request Dashboard

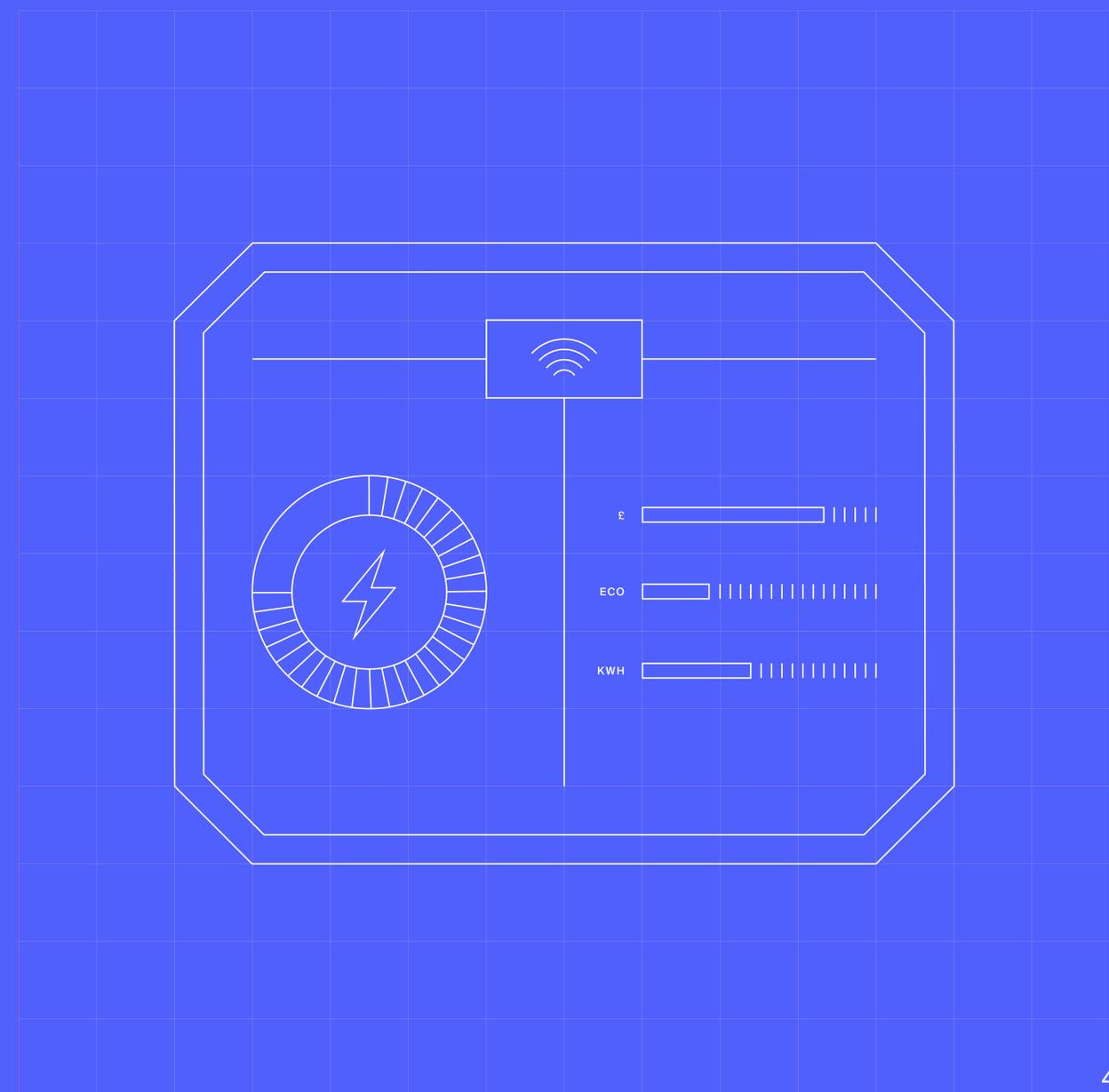
Ref.	Key Detail	Change Raiser(s)	Change Type	Decision	Status	Action <i>If approved</i>	Change Owner(s) <i>If approved</i>
CR001	M5 to July 2022	Jason Brogden	Full Impact Assessment	Ofgem Approved (21/04)	Complete	Updated MHHS Transition Timetable	Jason Brogden
CR002	M5 to November 2022	Emily Wells	Full Impact Assessment	Ofgem Rejected (21/04)	Complete		
CR003	M6 to 9 months after M5 and M7 to 10 months after M5	Lawrence Jones	Full Impact Assessment	Ofgem Approved (18/05)	Complete	Updated MHHS Transition Timetable	Martin Cranfield
CR004	Changes to TAG and Governance Framework	Jason Brogden	Housekeeping	Change Board approved (24/03)	Complete	Updated MHHS Governance Framework	Jason Brogden
CR005	Programme Cooperation Principles	Jason Brogden	Full Impact Assessment	PSG approved (04/05)	Complete	Updated MHHS Governance Framework	Jason Brogden
CR006	Changes to DAG and Governance Framework	Fraser Mathieson	Housekeeping	Change Board approved (26/04)	Complete	Updated MHHS Governance Framework	Jason Brogden
CR007	Moving the M3 date to 30 September 2022	MHHS Programme	TBC	<i>Awaiting PSG review and next steps (08/06)</i>	Open		
CR008	RECCo membership of PSG, DAG, TMAG	Jonathan Hawkins	Full Impact Assessment	<i>Awaiting PSG review of Full Impact Assessment and decision (08/06)</i>	Open		

Review of RAID

DISCUSSION: Review of design related RAID items

Programme – PMO

15 mins



Major Risk Themes – Overview

#	Theme	Description	Mitigation Approach	No. of Items	RAG Status*
1	Supplier engagement and mobilisation	Suppliers may not be mobilised early enough to support the forward delivery approach	<ul style="list-style-type: none"> CR001 has been approved; IPA recommendation is that all remaining un-mobilised suppliers are fully mobilised (for DBT) by or before 30-Sep-22 If mobilisation is delayed, re-baselining of the plan (and subsequent major milestones) are likely to be delayed Progress on mobilisation will be verified via CR007 impact assessment; PPC activities (including Readiness Assessment 2) are planned to verify status at M3. 	15 Risks 2 Issues	Red
2	Ability to meet the M5 timetable as planned	The amount of work – due to design complexity and / or ability to continue to attract adequate participant engagement – may cause difficulty in reaching an agreement on the design by end of July-22	<ul style="list-style-type: none"> Encourage adequate engagement from all Participants – via the provision (during working groups) of a clear timetable for all artefact pathways to ultimate DAG approvals Communicate the plan to resolve open design issues and report on the status, whilst also utilising the design change and design issue processes to treat 'issues' arising as new items to manage against the established design scope Confirm alignment of the Cross-Code Advisory Group (CCAG) / DAG code drafting expectations Ensure that the design assurance activities and findings capture evidence on how the design delivers the TOM In line with IPA recommendations: reconfirmation of the design delivery plan; continual monitoring and identification of areas of risk in the design that require further validation by Programme Participants; tracking of progress against the Tranches to DAG and monthly checkpoints reported to PSG between now and M5 to review progress of design activity against plan and confidence indicators/acceptance criteria. 	11 Risks 2 Issues	Amber
3	Completion and outputs of the Programme Re-plan activity	There are risks to the completion of the re-plan as expected, and of the timescales (in the re-plan) being longer than the original timetable	<ul style="list-style-type: none"> Engage industry volunteer parties to develop a 'strawman' plan in advance of M5 Issue the 'strawman' plan at the earliest opportunity – at M5 – for formal consultation, to provide the most time for Programme Parties to review plan timelines in line developing with their technology strategies and impact assessments Undergo 2 rounds of industry consultation to capture all industry feedback possible before approval through PSG (and Ofgem). 	7 Risks	Amber

RAID Log Input Form & Next Steps

To manage the flow of information input to the RAID log, we have designed and developed a RAID log input form

MHHS Programme RAID Log Input Form

Welcome to the MHHS Programmes RAID Log Input Form! This form is the entry point for RAID items in the centralised log. Once a request has been submitted, MHHS PMO will review and validate the details before registering the request, should there be any queries, a member of the team will be in touch.

1. Select an Option

Raise a new item

Update an item

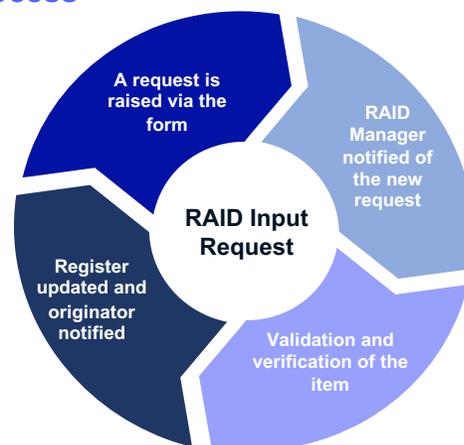
Close an item

Next

Purpose

The [RAID Log Input Form](#) is the single point of entry for participants to raise, update and close RAID items in the centralised log

Process



1. A request is raised via the input form
2. A notification is sent to the RAID Manager containing the new items and details captured
3. The RAID Manager will verify and validate the request, liaising with members of the team and/or the originator should further clarifications be required
4. Once the details are validated, the RAID Log will be updated, and the originator is notified

Next Steps

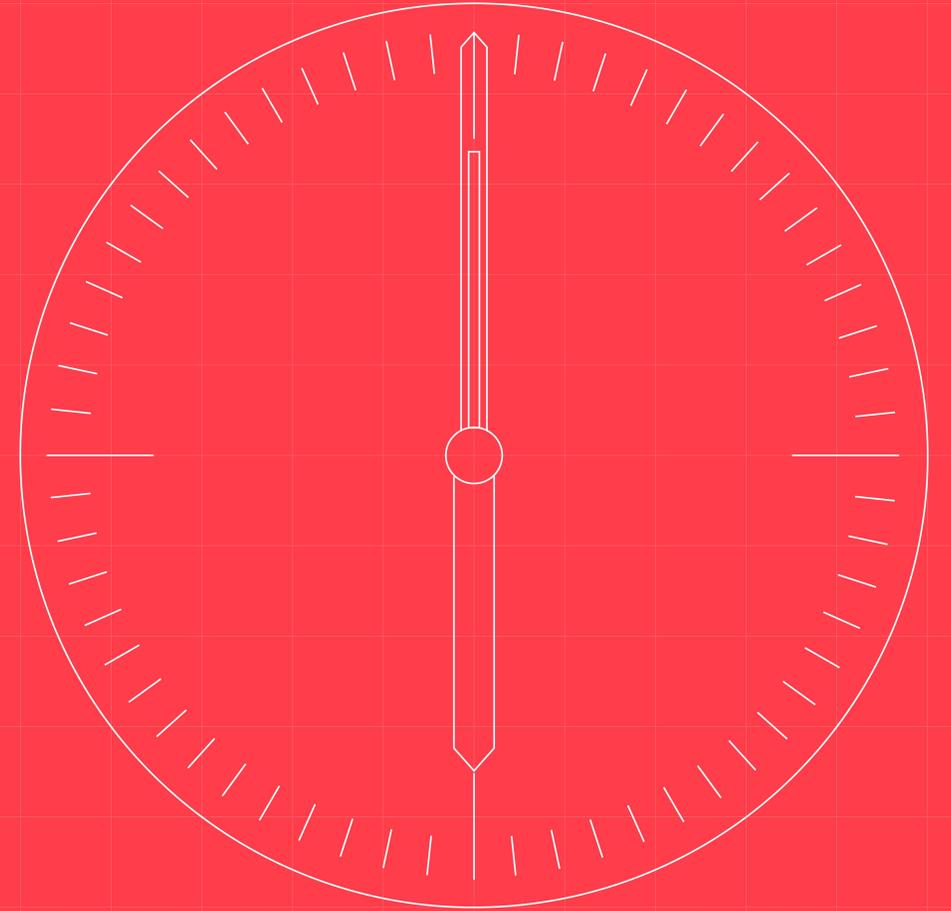
- To present a view of the major risk themes (Today)
- To release the RAID Log via the Programme Collaboration Base (Q3 2022)
- To provide a demo of the RAID dashboards (Q3 2022 – post dPMO release)

DAG Design Principles

DISCUSSION: Review of design principles

Programme – Ian Smith

5 mins



High Level Design Principles (1 of 2)

The items listed below represent the current programme view of the high-level principles to be applied to the end-to-end design.

It should be noted that these principles should be adhered to wherever possible, this does not rule out instances where DAG may deviate from these where sufficient justification exists to deliver the core elements of the solution.

Ref	Principle	Scope	Sub-Principle	References
0	The solution will be designed to support timely and accurate settlement.	System Wide		
1	The solution will implement the TOM at a service level with prescribed interfaces between TOM services. The design will be agnostic as to the physical resolution that parties choose in the build of the services, it will only proscribe requirements and such physical characteristics as to enable interface build.	System Wide		PRI017
2	Energy Suppliers can choose how they deliver their TOM Data Services (direct or procured). Suppliers may perform any aspect of any service subject to qualification.	System Wide		PRI016
3	The DIP solution will remain stateless and will not execute Business Processing rules. For the purposes of this principle address derivation and routing are not considered business rules.	DIP	Sending parties are responsible for any follow up for business processes requiring completion (PRI026)	PRI024.PRI025
4	No new DTC flows will be created to resolve interface requirements for MHHS. Nor will there be facsimiles of existing DTC flows created on the DIP.	System Wide		
5	Where optionality exists with regard to resolving an interface to either the DIP or remaining on the DTN the solution will consider the full set of interfaces related to a process or service. i.e. if the majority of flows within a process use the DIP it would not be desirable for outliers to remain on the DTN.	System Wide		
6	Solution assumes that the data held/mastered by the owner/manager is correct. Services will undertake processing in good faith based on the data provided to them. This does not preclude the potential requirements for exception reporting and reconciliation requirements to rectify data quality issues.	System Wide	Will not duplicate items held in other systems(PRI004/005) Will only hold what is required to route messages Will not validate customer opt out (PRI008)	PRI003. PRI001. PRI010. PRI011. PRI019

High Level Design Principles (2 of 2)

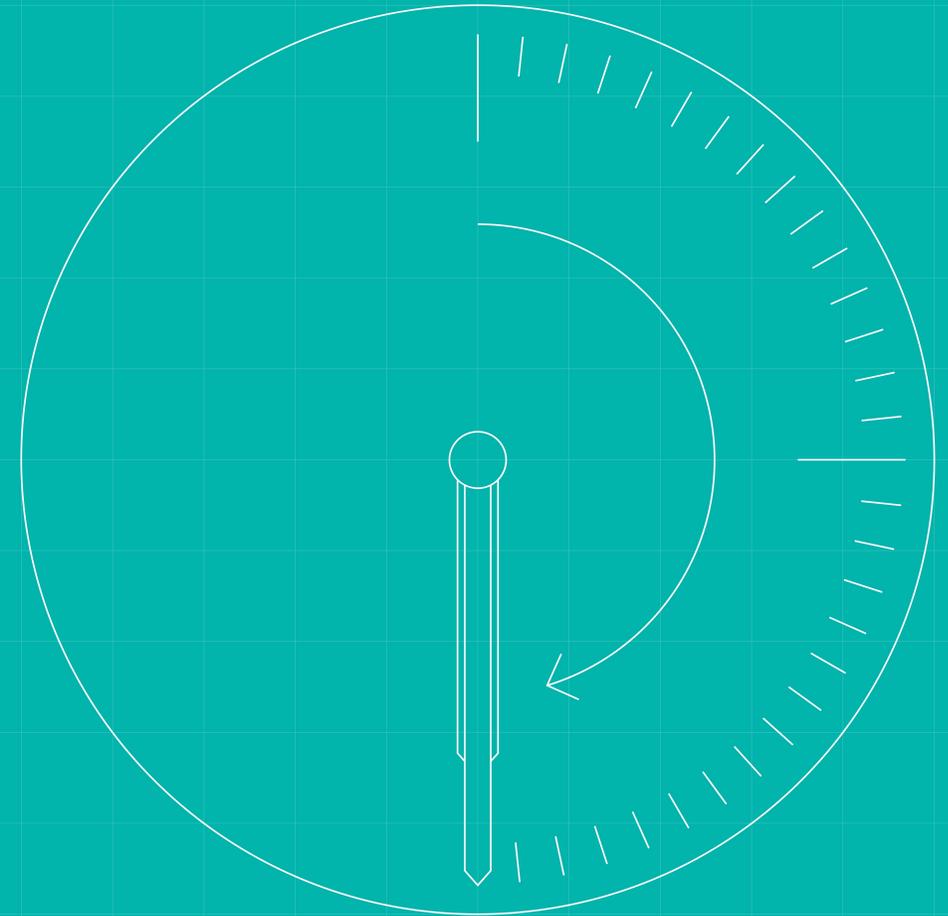
Ref	Principle	Scope	Sub-Principle	References
7	TOM Service Operators will be responsible for reporting data accuracy issues to the data owner/manager	System Wide		PRI003
8	Data will be processed by all parties promptly and in accordance with applicable industry codes	System Wide	[Data services should process data in accordance with the settlement timetable]	PRI010
9	The solution will seek to minimise total cost to industry in the delivery of the OFGEM approved TOM services and Integration platform	System Wide		PRI027
10	The solution will be secure, scalable for volume, latency, interfaces and other key technical dimensions.	DiP		PRI015.PRI028
11	Interfaces will only pass those elements of data required in direct support of their governing business process and requirements. Where a changed value falls within a logical group of data e.g. House number in an address the logical group will be sent.	System Wide		
12	Design will be articulated with sufficient breadth and detail required to enable regulatory code drafting in addition to enabling Service Design, Build, Test & Operate.	System Wide		
13	Any technology selection will be mindful of future use cases.	DiP		
14	The solution will seek to maximise the benefits for consumers receiving MHHS services via current and future use cases. This includes benefits from smart metering and other areas captured in the business case.	System Wide		
15	All market participants, operating under MHHS Target Operating Model, will be afforded the ability to deliver the same level of service for the same MHHS service.	System Wide		

Level Playing Field Design Principle

INFORMATION: Updates on actions related to SEC MP162

Chair

10 mins



DAG updates:

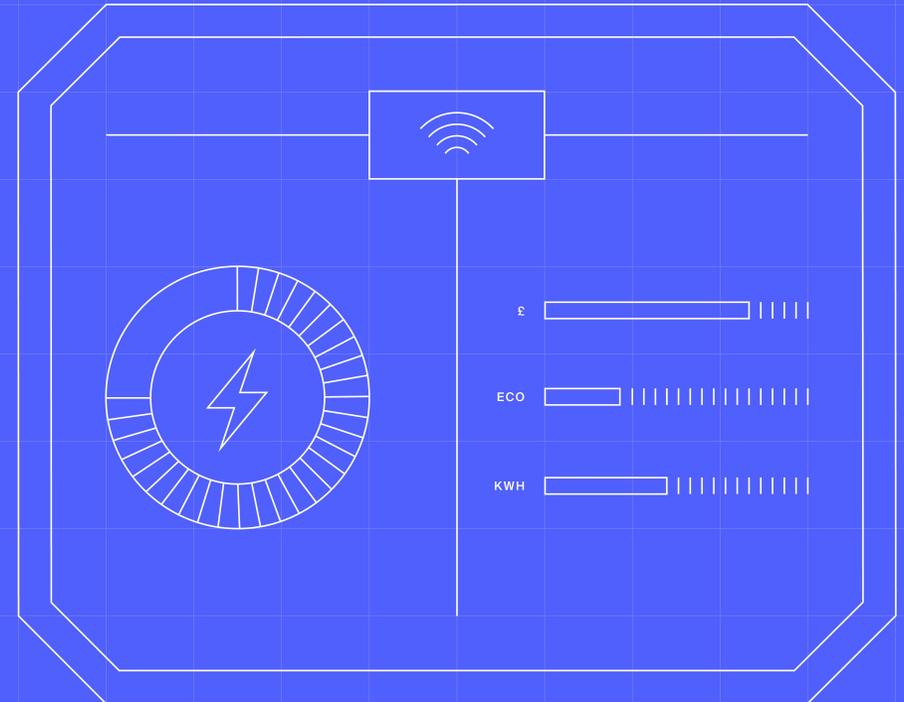
- Responses received to design paper to SDS re <24hr TRTs use cases, frequency and materiality
- Design Team analysing the responses and is scheduling SDS work group (date TBC)
- Weekly SECAS/MHHS Programme meetings, SECAS invited to DAG meetings
- DAG to have sub-group meeting following SDS sub-group meeting

Governance Group Updates

INFORMATION: Provide relevant updates from other MHHS Programme Level 2-3 governance groups.

Programme – PMO

10 mins



Programme Steering Group (PSG)

Update from PSG 04 May 2022

1. **CR001 and CR002 Change Requests** – [CR001 \(Design Baseline Replan to July 2022\)](#) was [approved by Ofgem](#) on 21 April 2022, and [CR002 \(Design Baseline Replan to November 2022\)](#) rejected. This moves the M5 programme milestone to July 2022.
2. **Readiness Assessment** – An update was provided on the outputs of Readiness Assessment 1, which seeks to assess industry parties' progress with mobilising work to implement MHHS. A lessons learned exercise was also undertaken.
3. **CR005** – the PSG approved CR005 (Programme Ways of Working and Cooperation Principles). These will now be updated in the MHHS Governance Framework
4. **Open Day Highlights** – The PSG reviewed feedback from industry parties following the MHHS Open Day Held 21 April 2022. Key messages from the Programme included participants being urged to become involved in the post M5 replan and to mobilise teams prior to the release of the design baseline to de-risk their internal programmes.

Cross-Code Advisory Group (CCAG)

Update from CCAG 25 May 2022

1. **Code Drafting Planning** – The CCAG have developed a detailed plan for code drafting. The plan sets out the sequence of topic areas and timeframes for the drafting of legal text, including review cycles.
2. **Code Drafting Principles** – The CCAG have developed a series of principles to guide code drafting work. These include principles such as code drafting reflecting the design, a lean approach to documentation, referencing of design artefacts, and consideration of transitional, consequential, performance assurance, qualification, and migration requirements.
3. **Data Services** – The CCAG have considered how data services should be governed. The Programme have advised there is no evidence a change to the status quo is required to deliver the MHHS Target Operating Model (TOM) and as such, the Programme is agnostic to any change in this area.
4. **Code Drafting Working Group (CDWG)** – The Terms of Reference for new CDWG were approved, with the first meeting to be held at the end of June or beginning of July. The CDWG is tasked with reviewing code drafting prior to it being issued for consultation.

Testing and Migration Advisory Group (TMAG)

Update from TMAG 18 May 2022

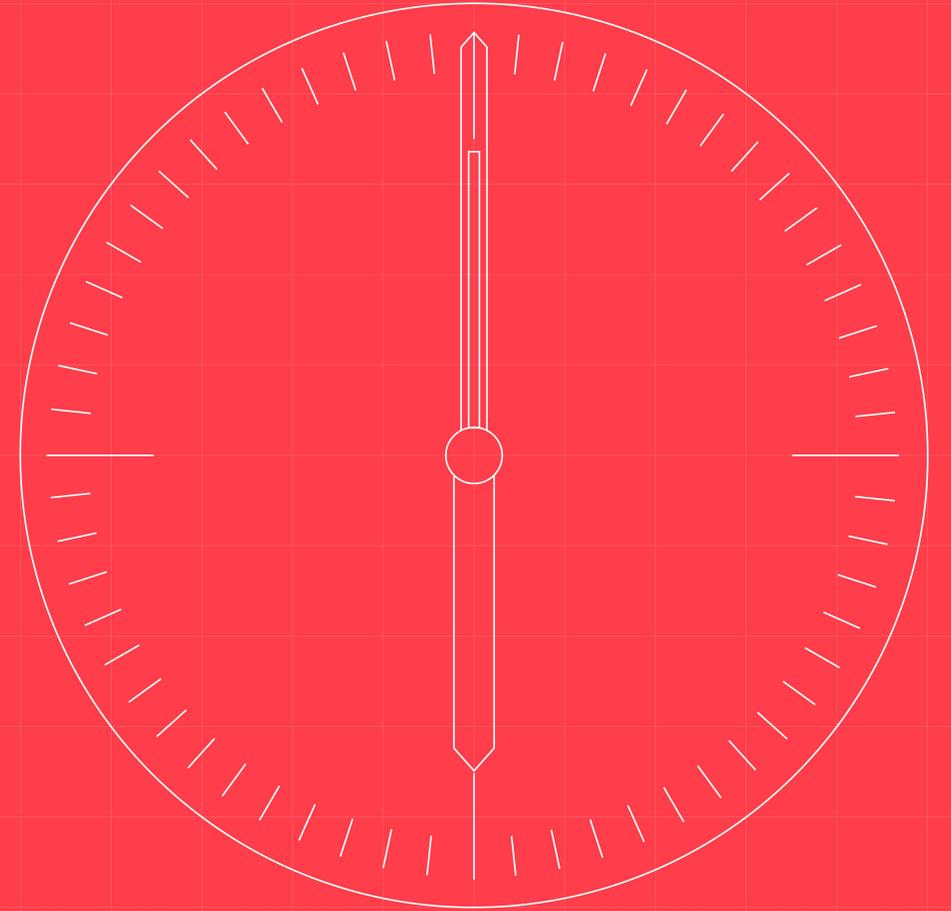
1. **Test Stubs and Harnesses** – The TMAG discussed tooling to support pre-integration testing (PIT) and systems integration testing (SIT)
2. **Test Data Strategy** – Following updates from the DWG, TMAG approved the Test Data Strategy. The strategy will be subject to further refinement following M5.
3. **E2E Testing and Integration Strategy** – An update was provided on the strategy, which has now been released as version one. This will also be subject to further refinement following M5.
4. **TMAG Working Groups** – an update was provided on the discussion from the third Migration Working Group (MWG) held 09 June 2022.
5. **Environments Working Group** - The TMAG discussed mobilising an Environments and Configuration Managements Working Group (EWG) in the first week of July. Notice will be issued via the Clock and to TMAG, DWG, and MWG distribution lists in due course.

Level 4 Working Group Updates

INFORMATION: Updates on Tranches 2, 3, and 4, from design working groups

Programme – Claire Silk

10 mins



Level 4 Working Group Update

Tranche 1

Progress:

- Design artefacts conditionally approved by DAG

Next Steps:

- Open Design Issues to be fed back to the relevant Sub-Working Groups for resolution
- Design artefacts to be updated to reflect changes agreed with Sub-Working Group
- Specific changes to artefacts to be referenced and artefacts submitted back to DAG for approval

Tranche 2

Progress:

- BPRWG Assurance Review in progress

Next Steps:

- Submission to DAG for Conditional Approval on 8th June

Tranche 3

Progress:

- Issued for BPRWG Review on 25th May

Next Steps:

- Comment response deadline 8th June
- Comment triage and resolution

Milestones:

- BPRWG Assurance & DAG Review- 22nd June to 6th July
- BPRWG Assurance Meeting- 29th June
- DAG Conditional Approval- 6th July

Tranche 4

Progress:

- Drafting of design artefacts in progress

Next Steps:

- Sub-Working Group activity

Milestones:

- BPRWG Review- 8th June to 22nd June
- BPRWG Assurance & DAG Review- 6th July to 20th July
- BPRWG Assurance Meeting- 13th July
- DAG Conditional Approval- 20th July

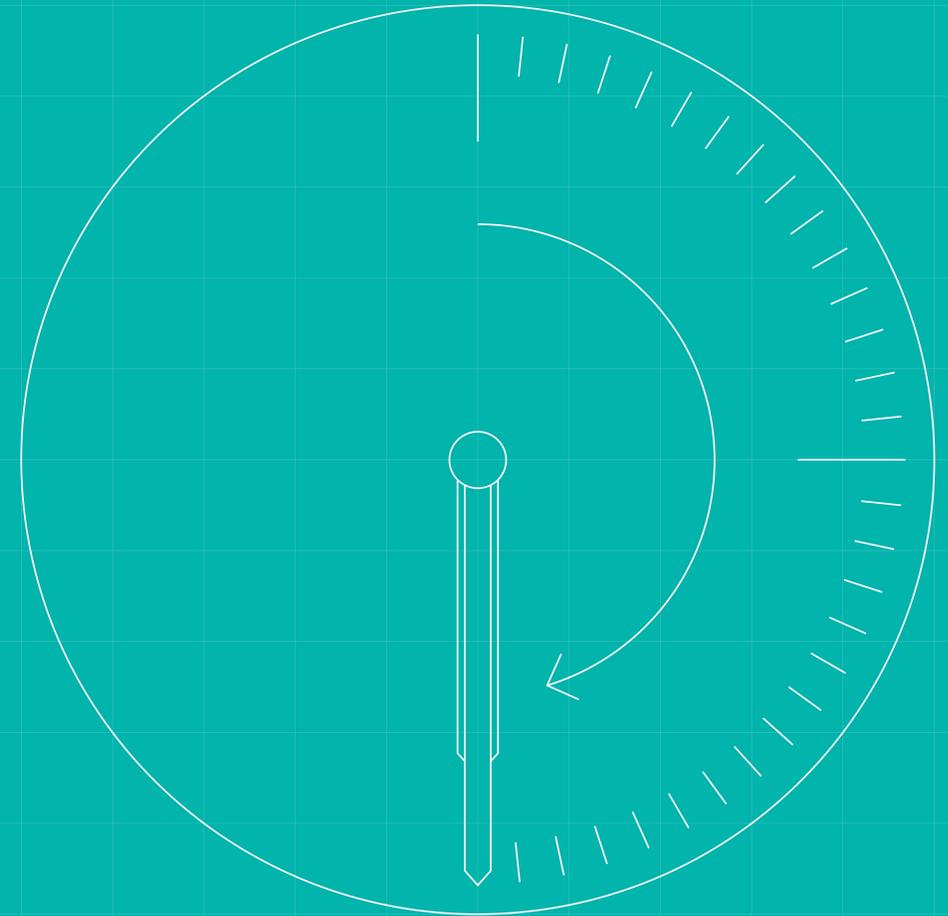
- The full Working Group schedule can be found [here](#)

Code Drafting Principles

INFORMATION: Summarise actions and plan agenda for next meeting

Chair & Secretariat

10 mins



Code drafting principles and approach

The below principles, designed to guide the approach to code drafting, have been updated following discussion at the April CCAG and in accordance with comments provided by CCAG members. Updates include; clarity that code drafting should be unambiguous, and that documentation and consultation will be managed centrally; that initial qualification will be undertaken against the design; and, that requirements on transition, performance assurance, migration, etc. will be considered throughout drafting.

Principles

1. Code drafting will take a **lean approach** - new wording and content changes will be minimised, and any changes simple and direct. Code drafting will be clear, unambiguous and complete in order to negate/reduce the need for associated supporting documents.
2. Code drafting will **reflect the content of the design** and not to re-open the merits of each design solution (the Programme is design-led).
3. BSCPs (or equivalent) will reference the Enterprise Architect tool, rather than duplicate design artefacts. **Design artefacts will be referenced wherever possible**, using a "point at" model.
4. Code drafting will be **colour coded/change marked**, to support drafting and assurance review.
5. The **code with the largest impact will lead/dictate code drafting activity** and other codes will dovetail into their work; e.g. REC/MHHSP will drive code draft activity and DCUSA presents their consequential changes at the same time. Similarly, codes will undertake their drafting under each topic area at the same time.
6. **Code drafting artefacts will be held centrally**, and available on the MHHS Portal
7. **Code drafting and review will take place offline**. Comments from review will be addressed in the working group by exception (i.e. only where specific comments require discussion)
8. The **decision to send text for mini-consultation will be delegated from CCAG to the L4 workgroup**. Code changes will be presented to the L4 WG by topic
9. **CCAG will retain control to recommend implementation and request Ofgem SMAPs**.
10. **Mini-consultation will be by all Programme Participants** via their principal contacts.
11. Mini-consultation, drafting reviews, and **code drafting itself will occur in parallel where possible**
12. In accordance with Ofgem timetable, code drafting will not change settlement timetable until transition is complete
13. **Initial qualification** will be undertaken against the design not code drafting
14. Requirements for, or impacts on, transitional text, consequential change, performance assurance, qualification, migration, and terminology consistency will be considered through the development of code legal text

Approach

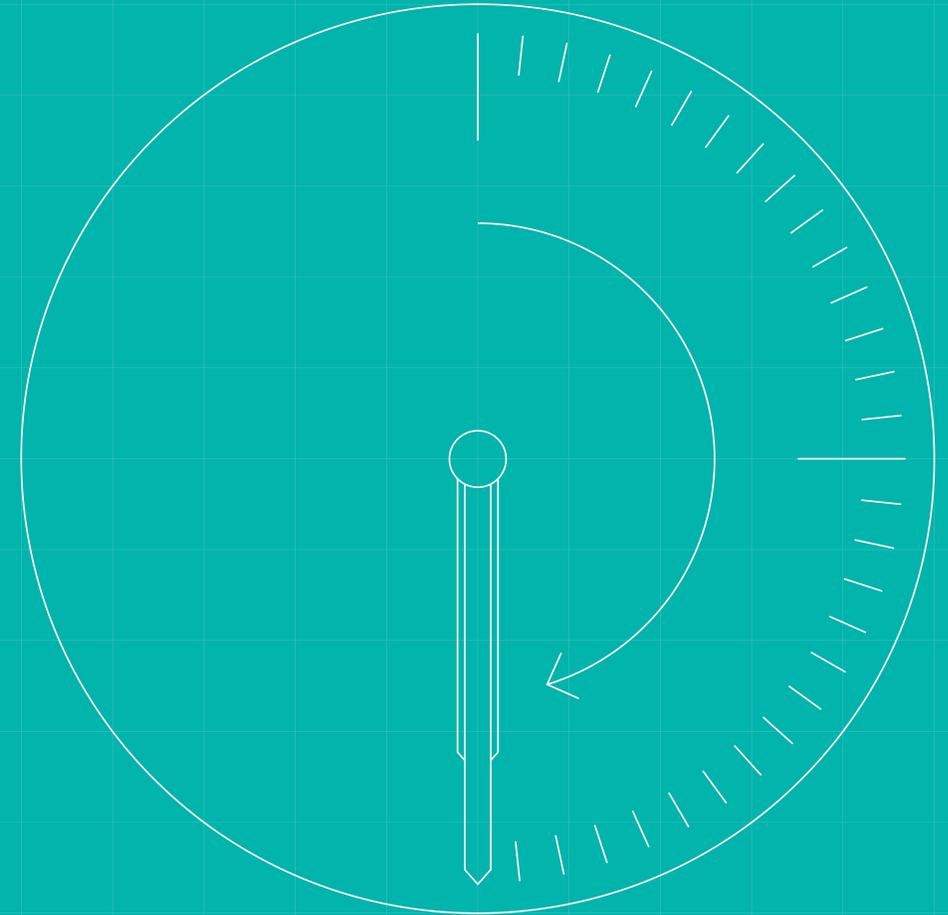
1. **Topic areas to be drafted in order by largest first** (to be validated by BSC and REC matrix planning activity and with final outputs of the design). **Time required to draft for each topic area will flex** depending on the volume of drafting required. The topic areas will be: 1) Data Services, 2) Metering, 3) Registration, 4) Interfaces/Data Specification, 5) BSC Central Services, 6) Governance, 7) Transitional text
2. A **consistency check** will provide assurance and gap analysis to cross reference code sections to design artefacts. This will ensure all artefacts are codified. Code Bodies will lead the consistency check, with support from other code bodies, the Programme and Helix
3. **Changes to the design** post M5 will require a Programme Change Request and supporting evidence
4. **CDWG will be the only formal working group**. The CCAG will maintain mid-month meetings with code bodies only (not formal L4 WGs) for the next [two/three] months and communicate output/recommendations to CCAG.
5. **Some code draft can be 'warm started'**. This includes transitional text (as each topic area completes) and consequential changes for non-REC/BSC (see Principle 14).
6. Draft text will require internal **reviews** before being sent to mini-consultation
7. The Programme will **centrally manage consultations and submission of code changes to Ofgem**, collating code documentation where necessary
8. **Enduring design artefact management** post-programme completion will be provided via a design document repository accessible to all

Summary and Actions

INFORMATION: Summarise actions and plan agenda for next meeting

Chair & Secretariat

10 mins



DAG Forward Look

DAG Agenda Roadmap:

*agenda items to be confirmed

Meeting dates	08-Jun	06-Jul	20-Jul	27-Jul
Relevant milestones/activities				
Agenda items	Tranche 2 approval Review of RAID *MHHS Change Process	Tranche 3 approval	Tranche 4 approval *Draft Design Report *DIP Procurement Updates/Decisions	*MHHS Design Approval *Final Design Report *DAG Focus Post Design Baseline
Standing items	Minutes & actions Governance group updates DAG Design Principles Design Decisions Level Playing Field Principle MHHS Design Dashboard L4 working group report Summary and next steps	Minutes & actions Governance group updates DAG Design Principles Design Decisions Level Playing Field Principle MHHS Design Dashboard L4 working group report Review of RAID Summary and next steps	Minutes & actions Governance group updates DAG Design Principles Design Decisions Level Playing Field Principle MHHS Design Dashboard L4 working group report Review of RAID Summary and next steps	Minutes & actions Governance group updates DAG Design Principles Design Decisions Level Playing Field Principle MHHS Design Dashboard L4 working group report Review of RAID Summary and next steps

Reminder: Working Group Schedule

Level 4 Working Groups

Group	Frequency	Time	Duration
BPRWG	1st Wednesday of every month	1000-1200	Monthly
SDWG*	1st Wednesday of every month	1400-1530	Monthly
TDWG*	1st Thursday of every month	1400-16:00	Monthly

*SDWG and TDWG form part of sub-groups on a monthly rotation

Sub-working Groups

Group	Frequency	Time	Duration
BPRWG Sub-groups	Tuesday (<i>Registration</i>)	1000-1300	Weekly
	Thursday (<i>Smart or Advanced or Unmetered</i>)	1000-1300	Weekly
	Friday (<i>Elexon Central Systems</i>)	1000-1300	Weekly
TDWG Sub-Group	Thursday	1400-1600	Weekly
SDWG Sub-Group	Wednesday	1400-1530	Fortnightly

Next Steps

- Confirm actions from meeting
- Date of next DAG: 06 July 2022 10:00am-3:00pm

If you would like to propose an agenda item for the DAG or would like any information about DAG working groups and subgroups, please contact the Programme PMO (PMO@mhhsprogramme.co.uk)

Attachments

Attachment 1 – CCIAG ToR v0.3

Attachment 2 – MHHS IPA Baseline Assurance Health Check ToR vFINAL

Attachment 3 – Design Artefact Review Process

