

MHHS Design Advisory Group (DAG) Minutes and Actions

Issue date: 15/11/2023

Meeting number **DAG030**

Venue **Virtual – MS Teams**

Date and time **08 November 2023 10:00-13:00**

Classification **Public**

Attendees

Chair

Justin Andrews (Chair)

Role

Chair

Industry Representatives

Craig Handford (CH)

Large Supplier Representative

Daniel Arrowsmith (DA)

National Grid ESO

David Yeoman (DY)

DNO Representative

Donna Jamison (DJ)

IDNO Representative

Gareth Evans (GE)

I&C Supplier Representative

Patricia Parker (PPa) (on behalf of Carolyn Burns)

Small Supplier Representative

Robert Langdon (RL)

Supplier Agent Representative

Riccardo Lampini (RLamp)

Elexon Representative

Sarah Jones (SJ)

RECCo Representative

Seth Chapman (SC)

Supplier Agent Representative

Stuart Scott (SS)

DCC Representative (as smart meter central system provider)

MHHS

Andrew Margan (AM) (part meeting)

Code Lead

Berlinda Kugara (BK)

Design Team

Fraser Mathieson (FM)

PMO Governance Lead

Immy Syms (IS) (part meeting)

PMO Change Lead

Kevin Spencer (KS)

Design Team

Matt Hall (MH) (part meeting)

Design Team

Paul Pettitt (PP)

Design Lead

Richard Gwatkin (RG) (agenda item 8 only)

DIP Manager

Sean Cooper (SC)

Design Team

Other Attendees

Andrew Dudkowsky (AD) (part meeting)

NGESO

Bhoopal Breddy (BB)

IPA

Colin Berry (CBer) (part meeting)

Elexon Helix

Colin Bezant (CBez)

IPA

Danielle Walton (DW)

Ofgem

Neil Dewar (NW) (CR034 only)

NGESO

Nigel Rees (NR) (part meeting)

Elexon Helix

Taylor Thorpe (TT) (part meeting)

IPA

Apologies

Caroline Farquhar

Consumer Representative

New / Outstanding Actions

Area	Ref	Action	Owner	Due
Minutes and Actions	DAG30-01	Programme to share response on ACTION DAG29-08 with DAG members	Programme (Paul Pettitt)	13/11/2023
CR032 Decision	DAG30-02	NGESO to amend Programme Change Request 032 (<u>Change to Interface IF-165 P0210 TUoS Reporting</u>) to include the specification of the proposed P210 report replacement and resubmit to the Programme for issuance to Impact Assessment (see ACTION DAG30-03).	NGESO Representative (Daniel Arrowsmith)	ASAP
	DAG30-03	Programme to issue Programme Change Request 032 (<u>Change to Interface IF-165 P0210 TUoS Reporting</u>) for further five working day Impact Assessment, following receipt of updates from NGESO (see ACTION DAG30-02).	Programme (PMO)	ASAP
UTC vs Clock Time Decision	DAG30-04	Programme to publish UTC vs Clock Time PPIR responses summary and proposed design artefact changes	Programme (PMO)	13/11/2023
	DAG30-05	Programme to raise a Programme Change Request to enable formal Impact Assessment of Options 2 and 2a relating to the use of Clock Time for Change of Supplier reads and service appointments	Programme (Matt Hall)	ASAP
DAG Terms of Reference	DAG30-06	Programme to discuss the proposed drafting of changes to the Design Artefacts to implement Options 2 and 2a relating to the use of Clock Time for Change of Supplier reads and service appointments at the Design Resolution Group	Programme (Paul Pettitt)	ASAP
CR034 - Delay to Elexon Level 4 validation response – NFR (1009)	DAG30-07	NGESO to amend Programme Change Request 034 (<u>Delay to Elexon Level 4 validation response – NFR (1009)</u>) to detail what the E2E1009 requirement will be relaxed to (from the current six second technical response validation requirement)	Elexon Helix (Nigel Rees)	ASAP
Previous Meeting(s)	DAG29-04	Programme to consider the provision of regular updates to DAG on the interaction of design/testing releases	Programme (Paul Pettitt & Lee Cox)	13/12/2023
	DAG29-05	Programme to review the Programme Change Request template and ensure a view is provided alongside new CRs on the implementation/release outlook	Programme (PMO)	13/12/2023
	DAG28-04	Programme to raise Design Issue Notifications (DINs) for the implementation of CR024 and CR025	Programme (Berlinda Kugara)	13/12/2023
	DAG28-12	Programme to provide update on the retrospective amendments process issue and raise for discussion at the DRG meeting	Programme (Paul Pettitt)	13/12/2023
	DAG27-08	Programme to confirm version incrementing arrangements for data flows and scenario variants changing as a result of MHHS	Programme (Matt McKeon)	13/12/2023

Decisions

Area	Dec Ref	Decision
Minutes and Actions	DAG-DEC79	Headline Report and changed marked Minutes of DAG meeting held 11 October 2023 approved
Transition Design Decision	DAG-DEC80	The SRO approved the baselining of the Transition Design Artefacts (Settlement Timetable) and publication to the Programme Collaborator Base and MHHS website
UTC vs Clock Time Decision	DAG-DEC81	The SRO approved Options 2 and 2a relating to the use of Clock Time for Change of Supplier reads and Service Appointments for use as the basis for a new Programme Change Request

CR034 - Delay to Elexon Level 4 validation response – NFR (1009)	DAG-DEC82	The SRO approved the issuance of Programme Change Request 034 (Delay to Elexon Level 4 validation response – NFR (1009)) to Impact Assessment subject to amendments to detail what the E2E1009 requirement will be relaxed to (from the current six second technical response validation requirement)
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Minutes

1. Welcome and Introductions

The Chair welcomed attendees to the meeting and provided an overview of the meeting agenda.

2. Minutes and Actions

The headline report and change marked minutes of the DAG meeting held 11 October 2023 were approved.

DECISION DAG-DEC79: Headline Report and changed marked Minutes of DAG meeting held 11 October 2023 approved

Action wording and updates can be found within the meeting papers. A summary of discussion is provided below:

DAG28-04: SJ request this action remain open until the Programme Change Requests (CRs) 024 and 025 are implemented. Action ongoing.

DAG28-05: Regarding Meter Data Retriever (MDR) onboarding as part of detailed design activities, the Programme advised the DIP service provider had been apprised of this and will consider what will be done for the onboarding of MDRs. A DIP onboarding 'light' option exists for MDRs, and the finalisation of this process is ongoing with the DIP provider. No changes to the MHHS Design have been identified and the Programme are satisfied the next actions are with the DIP provider and there is no further action for DAG. Should the DIP provider provide feedback that design change may be required, this will be progressed via a Design Issue Notification (DIN) or Programme Change Request (CR). Action closed.

DAG29-08: PP confirmed there had been no scope creep in the implementation of CR029 and advised the Programme's detailed response will be shared with DAG members (**ACTION DAG30-01**).

ACTION DAG30-01: Programme to share response on ACTION DAG29-08 with DAG members

POST-MEETING UPDATE: Programme response to ACTIONS DAG29-08 and DAG30-01 below:

"We note your observations around the opt (in/out) matrix, this does not go beyond the requirements set out in CR029 which have been implemented. The matrix and its content also capture other agreed changes with industry participants and will be used for the basis of new DIP Service Provider functionality of providing a better solution to optional flows and not letting them just get to the dead letter queue.

We will look to review the presentation of the opt in/out matrix as the basis of this is one of receiving interface publications not sending mandatory interface messages."

Actions DAG29-08 and DAG30-01 closed.

3. Upcoming Programme Milestones related to DAG

FM advised the dates of future design Interim Releases (IRs) are currently under review.

4. CR032 Decision

An overview of Impact Assessment (IA) responses to CR032 ([Change to Interface IF-165 P0210 TUoS Reporting](#)) was provided per the meeting slides. There was mixed support within the responses and the Programme's response highlighted a design gap, as the CR did not include a proposed replacement (including algorithm) for the interface IF-165 P0210 report. The Change Raiser agreed to update the CR to include this and other clarifications requested by the DAG. On this basis the DAG agreed the updated CR032 could then be issued for a further five working day IA.

ACTION DAG30-02: NGESO to amend Programme Change Request 032 (Change to Interface IF-165 P0210 TUoS Reporting) to include the specification of the proposed P210 report replacement and resubmit to the Programme for issuance to a further Impact Assessment (see ACTION DAG30-03)

ACTION DAG30-03: Programme to issue Programme Change Request 032 (Change to Interface IF-165 P0210 TUoS Reporting) for further five working day Impact Assessment, following receipt of updates from NGESO (see ACTION DAG30-02)

5. Transition Design Decision

AM provided an overview of the development of the Transition Design Artefacts per the meeting slides. AM advised the solution was stable and had been consulted upon. AM confirmed there would be no obligation on Suppliers shut down legacy systems. Following review of consultation responses, several minor clarifications were made to the documents and the Programme now recommends the solution is baselines and approved for publication. There were no comments or objections from DAG members.

The Chair approved the baselining of the Transition Design Artefacts (Settlement Timetable). The documents will be published on the MMHS website and Programme Collaboration Base and notice will be provided in The Clock.

DECISION DAG-DEC80: The SRO approved the baselining of the Transition Design Artefacts (Settlement Timetable) and publication to the Programme Collaboration Base and MHHS website

6. UTC vs Clock Time Decision

The Programme provided an overview of Programme Participant Information Request (PPIR) responses, noting the responses were mixed with a slim majority of respondents favouring Clock Time. The Programme advised that impacts on the underlying benefits case for MHHS of customer experience and settlement accuracy had been considered, and therefore recommended that Options 2 (Adjust to Clock Midnight) and 2a (Clock with Actuals) are approved .

Several DAG members did not believe the use of Clock Time was in keeping with the design principle of UTC and one member disagreed with the impacts on customer experience and settlement accuracy. DAG members also requested the summary of the PPIR responses and proposed design artefact changes presented in the meeting be published.

ACTION DAG30-04: Programme to publish UTC vs Clock Time PPIR responses summary and proposed design artefact changes: POST MEETING UPDATE: Document published [here](#).

The Programme highlighted the design principle, quoted by some DAG members, emanated from the MHHS Code Change and Development Group (CCDG), which operated prior to commencement of the Programme and has now ceased (for the avoidance of doubt, this is not part of the DAG high level design principles). The Chair also noted the principle is ambiguous about which data should be processed in UTC (meter or registration). MH noted the principle had been part of the Design Resolution Group's (DRG) considerations. The PPIR provided an opportunity for participants to review the options and impacts, and as such the Programme were satisfied with recommending a deviation from a design principle in this instance. One DAG member did not believe there was sufficient evidence to warrant a deviation. The IPA noted the importance of a timely decision and that participants had already advanced their systems development on either UTC or Clock Time and clarity was needed urgently.

The Programme provided an overview of the proposed changes to Design Artefacts per the [UTC vs Clock PPIR Responses and Changes v1.0](#) (see ACTION DAG30-04). The Chair asked whether DAG members objected to the Programme's recommendation (Options 2 and 2a), to which a majority stated they did, providing the following rationales:

- RL advised their constituency was disappointed with the recommendation to use clock time and did not feel there was evidence to warrant deviation from the design principles.
- SC disagreed the use of UTC may impact settlement accuracy and believed the opinions provided by participants within the PPIR were inaccurate or poorly expressed. SC believed use of clock time would be a change from an established position and did not see there were benefits to this.
- RLamp believed the use of clock time would deviate from a previous DRG position and stated Elexon Helix have not yet assessed the impacts of Option 2 and 2a.
- SS also believed moving to clock time would represent a change of direction and did not believe there was a clear justification for deviating from a design principle. SS expressed uncertainty over which option was best.
- SJ did not believe there was justification for deviating from a design principle and believed there was not a firm view on central system impacts and therefore the potential impacts on Systems Integration testing (SIT).
- DJ stated they had not seen an impact assessment from St Clements and urged caution over a potential deviation from a design principle.

- PPa did not believe there was clarity on the impacts of changing to clock time and felt a CR was required to enable formal IA.
- CH noted there was no consensus within the Large Supplier Constituency and believed there was a case for raising a CR as well as a need to consider the rationale for any deviation from a design principle.
- DA and AG abstained. No DAG members supported making a decision on the PPIR Options at this meeting.

The Programme also noted the PPIR responses were mixed, but that it was clear there are participants who are building systems to Clock Time and others to UTC, and it was essential clarity is provided to them as quickly as possible.

Following extensive DAG discussion and suggestions on different approaches on the way forward (e.g. no decision and CR raised, decision and CR raised, or decision and Design Issue Notification raised), the Chair determined the design be clarified based on the Programme's recommendation that Clock Time be used for Change of Supplier reads and Service Appointments. This was based on the Programme's recommendation, the need for a timely decision (to provide certainty to participants), the MHHS benefits case, and need to give participants time to make any changes necessary in order to meet the agreed Programme timelines. The DAG Chair requested the Programme raise a CR for formal IA, to enable assessment of the impacts of the redlined design artefacts, implementation plan, and testing approach. The IPA highlighted the importance of a decision being made to provide certainty for participants approaching testing and advised continued uncertainty would lead to less time for participants to make changes (and increase the likelihood of issues during testing). The DAG agreed the CR should be expedited. The redlined artefacts will also be discussed at the Design Resolution Group (DRG) in parallel to seek improvements to the drafting of the changes.

ACTION DAG30-05: Programme to raise a Programme Change Request to enable formal Impact Assessment of Options 2 and 2a relating to the use of Clock Time for Change of Supplier reads and service appointments

DECISION DAG-DEC81: The SRO approved Options 2 and 2a relating to the use of Clock Time for Change of Supplier reads and Service Appointments for use as the basis for a new Programme Change Request

ACTION DAG30-06: Programme to discuss the proposed drafting of changes to the Design Artefacts to implement options 2 and 2a relating to the use of Clock Time for Change of Supplier reads and service appointments at the Design Resolution Group

7. [CR034 - Delay to Elexon Level 4 validation response – NFR \(1009\)](#)

The Change Raiser provided an overview of CR034 ([Delay to Elexon Level 4 validation response – NFR \(1009\)](#)) per the meeting slides. The DAG requested an update is applied to detail what the requirements of E2E1009 will be relaxed to (from the current six second technical response validation requirement).

ACTION DAG30-07: NGESO to amend Programme Change Request 034 ([Delay to Elexon Level 4 validation response – NFR \(1009\)](#)) to detail what the E2E1009 requirement will be relaxed to (from the current six second technical response validation requirement)

The Chair approved the issuance of CR034 for IA subject to the requested amendments.

DECISION DAG-DEC82: The SRO approved the issuance of Programme Change Request 034 ([Delay to Elexon Level 4 validation response – NFR \(1009\)](#)) to Impact Assessment subject to amendments to detail what the E2E1009 requirement will be relaxed to (from the current six second technical response validation requirement)

8. [Updates to the Interface Code of Connections](#)

RG provided an overview of the updated Interface Code of Connections (CoCo) and review comments provided by the Security Design Working Group (SDWG).

A decision on approval of the updated CoCo was deferred, whilst updates agreed at the SDWG are applied. The Programme will seek to issue the updated document to DAG for an ex-committee decision on approval week commencing 13 November 2023. The updated document will also be issued to SDWG members and any comments considered alongside the DAG's decision.

9. [Design \(DIN\)](#)

PP advised IR6 had been issued. The Programme are now looking at how future design releases and testing releases align, with information to be presented to the Fast Track Implementation Group (FTIG) at an upcoming meeting. To

support design stability during testing, the Programme will begin to assess Design Issue Notification solutions on the basis of criticality. The Programme are considering whether IRs should move to a quarterly cadence as opposed to the current monthly. SJ highlighted code drafting would need to be considered if the dates of future IRs change. PP advised the design/testing release schedule will be published following feedback from the FTIG.

PP provided an update on CR023, advising the change will be discussed at the DRG and an implementation approach agreed.

10. DAG Terms of Reference

The Chair advised an update will be provided at the December 2023 DAG and invited comments on this agenda item to be provided to PMO@mhhsprogramme.co.uk.

11. Top Programme Risks related to DAG

Item taken as read.

12. Programme Updates

Item taken as read.

13. Summary and Next Steps

The Chair encouraged DAG members to anticipate the issuance of the CR on Clock Time in due course and thanked members for their contributions.

Date of next meeting: 13 December 2023 10am