

Consultation

Amendments to Market-Wide Half-Hourly Settlement Governance Framework

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We are consulting on amendments to the MHHS Governance Framework as designated on 1 November 2021. We would like views from people and organisations with an interest in MHHS Implementation.

This document outlines the scope, purpose and questions of the consultation and how you can get involved. Once the consultation is closed, we will consider all responses. We want to be transparent in our consultations. We will publish the non-confidential responses we receive alongside a decision on next steps on our website at [ofgem.gov.uk/consultations](https://www.ofgem.gov.uk/consultations). If you want your response – in whole or in part – to be considered confidential, please tell us in your response and explain why. Please clearly mark the parts of your response that you consider to be confidential, and if possible, put the confidential material in separate appendices to your response.

Consultation – Amendments to Market-Wide Half-Hourly Settlement Governance Framework

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Consultation

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1. Introduction

Background

1.1 On 29 November 2024, Ofgem approved MHHS Change Request CR055 ('Amendments to M10 and corresponding milestones'). CR055 proposed to delay MHHS 'go live' by 6.5 months to enable the full and robust completion of Systems Integration Testing and it also had knock-on effects for subsequent programme milestones. However, in our decision document¹, we stated that we were determined that there should be no further delays in the delivery of this vital programme. To reduce this risk, we said that we would be taking forward, in early 2025, a package of additional regulatory measures intended to expedite the delivery of MHHS.

What are we consulting on

1.2 The current MHHS Governance Framework² describes itself "a regulated document, and compliance with this document is required under the BSC (and other industry codes which require compliance with paragraph 12 of Section C of the BSC)." Ofgem seek to modify the MHHS Governance Framework to allow for several necessary amendments that will mitigate against delayed implementation of the MHHS arrangements and rectify administrative errors/clarifications.

Next steps

1.3 We will carefully consider all the responses that we receive to this consultation. We will publish a document with our decisions on the issues covered by this consultation. We expect to publish these decisions in May 2025 with the changes coming into immediate effect should they be required, subject to the outcome of our consultation. The proposed changes in this document seek to consolidate and support the existing governance structure to augment a robust and successful implementation for the delivery of the MHHS programme. We have drawn on feedback from previous consultations, and lessons learnt from other energy market change programmes, with the aim of ensuring effective and timely implementation of MHHS, bringing benefits to consumers.

¹ [Market-wide Half Hourly Settlement Change Request CR055 'Amendments to M10 and corresponding milestones' - decision | Ofgem](#)

² [MHHS - Governance Framework Marked Against Consultation published version 11 August 2021](#)

2. Proposed Amendments to the MHHS Governance Framework

- 2.1 In November 2024 the Authority accepted, in light of the evidence, that there was a need to delay M10 and succeeding milestones but was determined that all parties should strive to ensure there were no further delays. For our part, this included introducing directions on the MHHS Implementation Manager and MHHS Participants that strengthen the incentives to deliver on time. In addition, the Authority was minded to assume decision-making responsibility for all subsequent proposals to change key programme milestones. We are now consulting on this matter. Further to paragraph 12.3.1 of section C of the BSC, we propose to amend the existing MHHS Governance Framework and make Ofgem the final decision-maker for any changes to Tier 1 Programme milestones. In addition to this, Ofgem proposes to amend the current decision-making thresholds for Ofgem Decisions in relation to Level 1 milestones. This proposal would see Ofgem making the final decision about any movement to Level 1 and Tier 1 milestones irrespective of timeframe. We are minded to do this to maintain the revised timelines that are a result of the CR055 decision and the newly updated milestones.
- 2.2 We are minded to make the changes detailed in the above paragraph 2.1 further to the powers ascribed to Ofgem pursuant to the BSC, section C paragraph 12.3.1. The amendment of the MHHS Governance Framework is a re-designation, necessary to ensure the realisation of benefits which the MHHS programme will enable.
- 2.3 Given the proximity to migration, the current MHHS Governance Framework suggests a number of governance groups should be established. Paragraph 1.43 (of the current MHHS Governance Framework) provides a description for an Implementation Group and it is our intention to request MHHS Implementation Manager to *consider* a version of this group to provide a platform for parties to consider risks arising from programme implementation and related technical issues.
- 2.4 We additionally wish to consult on our proposal to amend reference to “*this MHHS Governance Framework*” in paragraph 1.51 of the MHHS Governance Framework and replace with reference to the “*Market-wide Half-Hourly Settlement (MHHS) Programme Governance Framework*” in order to reflect the

position highlighted in our August 2021 Decision document (Implementation Arrangements for Market-Wide Half-Hourly Settlement³).

- 2.5 We have additionally amended references of 'this governance framework' throughout the MHHS Governance Framework to now read as 'the MHHS Governance Framework'.
- 2.6 We have additionally corrected an omission in the current MHHS Governance Framework, (paragraph 1.36) that would see a medium supplier 'representative' as opposed to a medium supplier.

Context and related publications

- 2.7 This consultation is further to Ofgem's publication of our decision relating to the referenced CR055 ([Market-wide Half Hourly Settlement Change Request CR055 'Amendments to M10 and corresponding milestones' - decision | Ofgem](#))

Next Steps

- 2.8 Please submit your response to half-hourlysettlement@ofgem.gov.uk by 21 April 2025. We will publish non-confidential responses on our website at www.ofgem.gov.uk/consultations. Subject to responses, we expect to publish our decision on this consultation in May 2025, with a revised Governance Framework coming into force with immediate effect should one be required.

³ [Market-wide Half-hourly Settlement: Decision on implementation arrangements | Ofgem](#)

3. Your response, data and confidentiality

Consultation stages

Outline the key stages the consultation will progress through to get to a final decision. Mention any events/workshops your team may be running as part of the process.

- 3.1 The consultation will be open until 21 April 2025. Responses will be reviewed and the consultation decision will be published in May 2025.

How to respond

- 3.2 We want to hear from anyone interested in this consultation. Please send your response to Half-HourlySettlement@ofgem.gov.uk
- 3.3 We will publish non-confidential responses on our website at www.ofgem.gov.uk/consultations.

Your response, your data and confidentiality

- 3.4 You can ask us to keep your response, or parts of your response, confidential. We'll respect this, subject to obligations to disclose information, for example, under the Freedom of Information Act 2000, the Environmental Information Regulations 2004, statutory directions, court orders, government regulations or where you give us explicit permission to disclose. If you do want us to keep your response confidential, please clearly mark this on your response and explain why.
- 3.5 If you wish us to keep part of your response confidential, please clearly mark those parts of your response that you *do* wish to be kept confidential and those that you *do not* wish to be kept confidential. Please put the confidential material in a separate appendix to your response. If necessary, we'll get in touch with you to discuss which parts of the information in your response should be kept confidential, and which can be published. We might ask for reasons why.
- 3.6 If the information you give in your response contains personal data under the General Data Protection Regulation (Regulation (EU) 2016/679) as retained in domestic law following the UK's withdrawal from the European Union ("UK GDPR"), the Gas and Electricity Markets Authority will be the data controller for the purposes of GDPR. Ofgem uses the information in responses in performing its statutory functions and in accordance with section 105 of the Utilities Act 2000. Please refer to our Privacy Notice on consultations, see Appendix 3.
- 3.7 If you wish to respond confidentially, we'll keep your response itself confidential, but we will publish the number (but not the names) of confidential responses we

receive. We won't link responses to respondents if we publish a summary of responses, and we will evaluate each response on its own merits without undermining your right to confidentiality.

General feedback

3.8 We believe that consultation is at the heart of good policy development. We welcome any comments about how we've run this consultation. We'd also like to get your answers to these questions:

- Do you have any comments about the overall process of this consultation?
- Do you have any comments about the overall process of this consultation?
- Do you have any comments about its tone and content?
- Was it easy to read and understand? Or could it have been better written?
- Were its conclusions balanced?
- Did it make reasoned recommendations for improvement?
- Any further comments?

Please send any general feedback comments to stakeholders@ofgem.gov.uk

How to track the progress of the consultation

You can track the progress of a consultation from upcoming to decision status using the 'notify me' function on a consultation page when published on our website. Choose the notify me button and enter your email address into the pop-up window and submit.

[ofgem.gov.uk/consultations](https://www.ofgem.gov.uk/consultations)

Notify me +

Would you like to be kept up to date with *Consultation* name will appear here? subscribe to notifications:

Email*

Submit >

Once subscribed to the notifications for a particular consultation, you will receive an email to notify you when it has changed status. Our consultation stages are:

Upcoming > **Open** > **Closed** (awaiting decision) > **Closed** (with decision)

Appendices

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Appendix 1 – Market-Wide Half-Hourly Settlement Governance Framework -proposed amendments - red lined version

Background

- 1.1. This document sets out or identifies by reference the component parts of the **MHHS** Governance Framework for implementation of the Market-Wide Half-Hourly Settlement (MHHS) programme.
- 1.2. This **MHHS** Governance Framework is established under ~~section~~ **paragraph 12** of **Section C12** of the Balancing and Settlement Code (BSC). This is a regulated document, and compliance with this document is required under the BSC (and other industry codes which require compliance with **paragraph 12 of s**~~Section C12~~ of the BSC).
- 1.3. Expressions used in this **MHHS** Governance Framework will be interpreted in accordance with the definitions set out in **paragraph 12 of** Section C of the BSC.

Objectives

- 1.4. Licensed entities have new regulatory requirements to participate in, and support the programme, as set out in **paragraph 12 of** Section ~~C12~~ of the BSC.
- 1.5. The implementation governance arrangements have been designed to achieve the following high-level objectives:
 - enable objectives and benefits of the MHHS programme to be delivered;
 - secure trust and buy-in across all programme parties;
 - be industry-led;
 - be efficient and streamlined (including supporting rapid decision making and ensuring parties have access to the necessary capacity/capabilities to fulfil their roles); and
 - be clear, transparent and appropriate for different requirements of the programme, e.g. licence obligations, programme management, programme management budget, and change process.

1.6. Under these governance arrangements, Ofgem:

- will not be involved in the day-to-day management or decision making of the programme, but will continue to make certain decisions, such as where the thresholds set out in this document are met;
- should be kept updated on progress throughout the programme; and
- will reserve the right to intervene to the programme in certain defined circumstances.

MHHS Implementation Manager

1.7. Unless Ofgem decides otherwise, Elexon (as BSCCo under the BSC) will perform the role of MHHS Implementation Manager (MHHS IM), which includes the component roles of:

- Senior Responsible Owner (SRO);
- Programme Management Office (PMO);
- Design Authority (DA);
- Systems Integrator (SI); and
- Programme Party Co-ordinator (PPC).

Elexon Business Separation Requirements

1.8. It is important that Elexon's role as MHHS IM is kept separate from its role as an MHHS Participant.

1.9. Elexon shall develop, obtain Ofgem's approval of, and comply with a business separation plan which requires explicit, physical, organisation and cultural separation, including:

- Physical – separate office spaces, websites, and email addresses;
- Organisational – the people who are taking operational and management decisions in relation to the MHHS IM role must not be the same people who take decisions in relation to the MHHS Participant role. Reporting from the MHHS IM units to the Elexon executive and board should be in accordance with **BSC paragraph 12.4.3** Section C **12.4.3 of the BSC**; and

- Cultural – this may be achieved through appointment of external service providers for particular roles but can also be achieved through staff training on awareness of separate functions.

1.10. Amongst other things, the MHHS Independent Programme Assurance provider will be responsible for identifying and reporting on issues relating to business separation and Elexon’s conflicts of interest. Where the assurance provider considers the issues are material, they will bring them to Ofgem for consideration. Ofgem will then be able to make directions concerning any issues identified, which may include directing Elexon to amend its business separation plan (noting that Elexon is required under the BSC to comply with Ofgem's directions concerning implementation).

MHHS Participants

1.11. A number of stakeholders will need to be actively engaged in delivering the MHHS programme. These entities are referred to as MHHS Participants, which include:

- BSCCo (in its role as MHHS Participant, rather than MHHS IM);
- each Supplier;
- each Licensed Distribution System Operator;
- the DCC;
- each MHHS Affected Code Body;
- each Data Collector;
- each Data Aggregator;
- each Meter Operator Agent; and
- any others directed by the Authority.

MHHS Independent Programme Assurance provider

1.12. An MHHS Independent Programme Assurance provider (IPA)⁴ will be tasked with the important role of programme assurance. This body will be independent of Elexon and will report to Ofgem.

⁴ Referred to in the BSC legal text as the “MHHS Independent Assurance Provider”.

- 1.13. The IPA will monitor for potential conflicts of interest in Elexon's decision making and also monitor the extent to which the interests of existing and future consumers are being taken into account.
- 1.14. The focus of the IPA will be to provide evidence throughout the implementation of MHHS to the SRO, the PMO, the Programme Steering Group and ultimately to Ofgem, to support key decision points, milestones and quality gates in the programme and to assure that the information the programme is being provided by the relevant organisations is accurate, timely and complete, although the IPA will not be assuring each individual MHHS Participant as a matter of course.
- 1.15. The IPA may also be called on from time to time, to provide independent advice on matters arising which could impact on the delivery of the Programme. Whilst Ofgem will contract with the assurance provider, the SRO will be responsible for contract management and shall instruct the assurance provider in accordance with reasonable requests for assurance reports from the Programme Steering Group.
- 1.16. All MHHS Participants are required to submit relevant information to the IPA when asked, and to take such reasonable steps as the IPA recommends, including any re-assurance which is recommended.
- 1.17. All MHHS Participants must also undertake their own internal assurance which may or may not be performed by an independent assurer. Amongst other things, MHHS Participants may be required to provide statements (signed by a board director) of readiness which are required at relevant milestones.
- 1.18. The role of the IPA will not be to repeat the assurance activities of the individual organisations, the System Integrator or the Programme Party Coordinator. The IPA should look at each organisation in sufficient depth to be able to provide insight into the delivery of parties' obligations in respect of the programme, but may regard an individual organisation's assurance reports, or reports from the SI or PPC as relevant evidence. Specifically, the IPA will not be individually assuring the activities of each energy supplier, supplier agent or Licensed Distribution System Operator. Where party self-assessment is used the IPA will provide assurance that the self-assessment reporting is robust and reliable. Where the IPA identifies any risks or concerns, the IPA should work with the relevant organisation to identify recommendations to address those risks and concerns.

- 1.19. The IPA will work closely with each of the central programme parties, including Elexon as the BSC system provider and DCC, as well as the SRO, PMO, SI and PPC to ensure that all central programme documentation and plans are developed in accordance with programme principles around timeliness, transparency and consultation, and meet quality requirements.
- 1.20. The IPA will work with all programme parties to ensure that the programme is operating in a way that will lead to successful implementation on the baselined timescales. The IPA should be able to provide early identification of any risks to delivery, together with recommendations to address those risks before they become issues. The IPA should engage actively with programme parties and through programme governance to ensure that they are fully informed about progress and are able to provide real-time advice at all times, but particularly in the run-up to key milestones and decision.
- 1.21. The assurance objectives are to:
- provide confidence to the MHHS Participants that the programme is set up for success to deliver against the programme objectives;
 - deliver independent assurance reporting to support key programme milestones and quality gates;
 - provide advice to the SRO, the Programme Steering Group or any other group established under this MHHS Governance Framework, or to Ofgem, on any required improvement to quality and performance to ensure delivery on time and to cost;
 - report to the SRO, the Programme Steering Group and to Ofgem, on key milestones. In particular, review evidence from the MHHS IM and MHHS Participants and provide expert opinion on whether these parties and providers are meeting their obligations to the programme;
 - ensure that potential conflicts of interest between the Elexon roles are managed appropriately;
 - at the request of the SRO, Programme Steering Group or Ofgem provide information on an ad hoc basis on assurance related matters; and
 - provide transparent reporting to MHHS Participants (subject to the normal confidentiality protections) to provide a third-party expert independent perspective of the delivery of the Programme.

- 1.22. The IPA will employ a variety of assurance techniques to assure progress through the implementation phase and will provide reporting to the Programme Steering Group for key programme milestones, review points and quality gates. The IPA shall also undertake assurance of selected activities and organisations on an ad hoc basis. The assurance reports and any associated remedial recommendations will provide the Programme Steering Group, and ultimately Ofgem, with the confidence that satisfactory progress is being made, and that milestone and quality gate criteria have been met, or suggest areas where remedial action may be required.
- 1.23. Arrangements will be put in place to ensure that the IPA will act independently of Elexon, and that the IPA's findings and recommendations are not unduly influenced or altered by Elexon. Specifically, the IPA will be procured and contracted by Ofgem and will report directly to the Steering Group. All assurance reports will be provided to Ofgem, and other interested parties will also receive copies of any assurance reports relevant to their own service and system provision.
- 1.24. In respect of the assurance services being carried out, Elexon, in its MHHS IM role, will be subject to the same assurance approaches irrespective of the fact that Elexon is acting as the contract manager of the IPA. In providing its assurance of Elexon activities, the assurance provider should also seek regular assurance on an on-going basis that Elexon itself, in its role as MHHS IM, is not giving any preference to Elexon in its role as BSC system provider, for example, testing, defect triage, the resolution of defects and issues, change impact assessments, the provision of Integration services and environments, etc.

Governance/Expert Groups

- 1.25. Elexon, as MHHS IM, will establish a number of industry groups to support and input into the programme. These will initially comprise the following (as further described below):
- the Programme Steering Group;
 - the Design Authority Group
 - the Implementation Group
 - the Programme Workgroups – as required, and including the Code Change Development Group (CCDG) and the Architecture Working Group (AWG);

- the Programme Technical Groups – as required;
- the Cross Code Advisory Group (CCAG);

1.26. The Programme Workgroups to be established may include:

- the Post-AWG Workgroup;
- the Security Advisory Group;
- the Data Advisory Group;
- the Testing Working Group;
- the Transition Group; and
- the Post-Implementation Group.

1.27. Elexon, as MHHS IM, will establish the initial groups in consultation with Ofgem, all MHHS Participants and any other stakeholders with an interest. The constitution of each such group shall be designed to enable Elexon to identify and understand the impact (including cost impact) of proposed courses of action. Elexon must ensure that each such group is constituted in a way which allows the differing perspectives of MHHS Participants to be represented. At least one representative from each of the MHHS Participant categories must be invited to become a member of each such group (although failure of any of them to attend will not affect a group's quorum).

1.28. Each industry group must draw-up, publish and comply with a terms of reference document. Elexon will facilitate this process.

Summary of Governance Structure

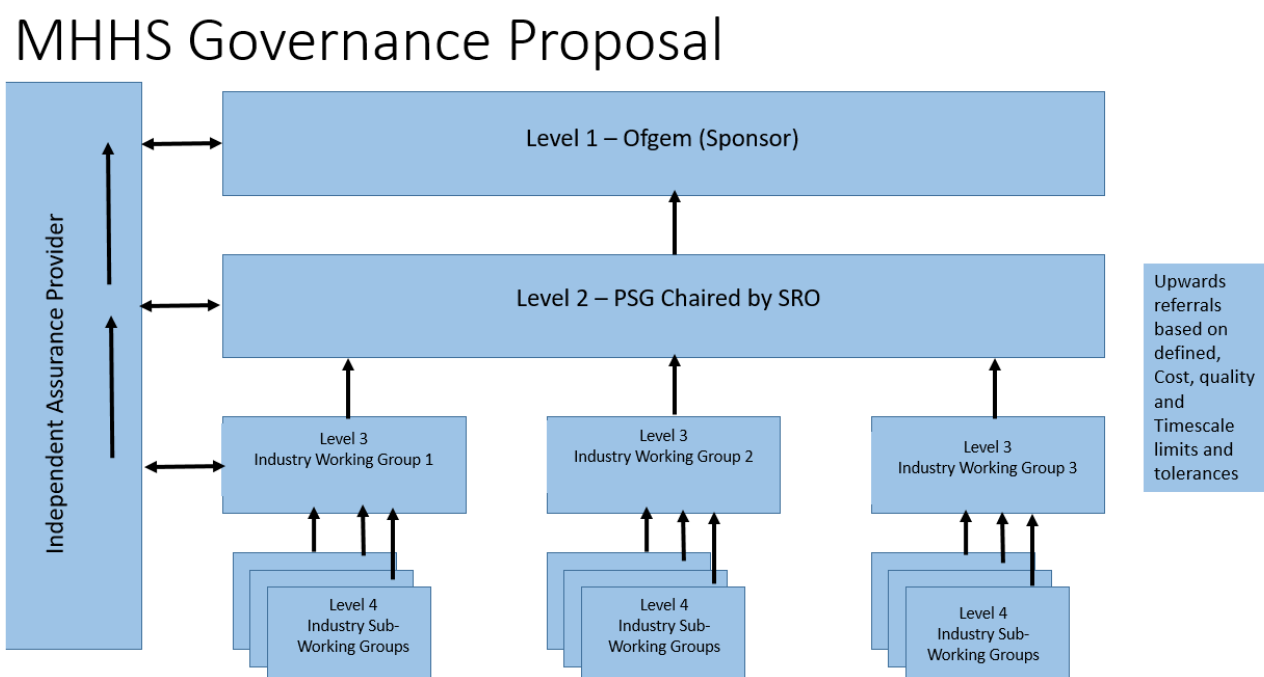
1.29. The following decision-making structures are designed to help achieve an effective balance between the MHHS IM and the MHHS Participants, in order to ensure that the MHHS IM takes fully informed and effective decisions which are transparent and suitably accountable to MHHS Participants.

1.30. Through these processes, the MHHS IM will engage and consult with industry to ensure that all programme parties feel engaged and able to positively influence the programme. The goal is for all parties to have access to all relevant programme information, and to have an opportunity to participate in and influence the programme decision-making process, without unnecessarily delaying the programme.

- 1.31. The PSG and other industry working groups will also have an important role to play in ensuring proper consultation of MHHS Participants and other stakeholders. In order to facilitate timely canvassing of constituents' views, the PSG will establish indicative timelines for circulating and gathering feedback on papers in advance of PSG meetings.
- 1.32. Through regular ongoing communication and engagement, the MHHS IM must take all reasonable steps to facilitate all parties' understanding of the programme and upfront communication during the initial set up stages will be especially critical.

Governance Structure, Roles and Responsibilities

- 1.33. The following sections set out the role of each initial group and how they interact with each other, including the decision-making structure. The diagram below shows the generic structure:



- 1.34. **Programme Sponsor** - Ofgem. Ofgem set the design and implementation plan baselines in the Decision Document published in April 2021. Ofgem retains overall accountability for achieving the outcomes set out in the Decision Document published alongside the Full Business Case. The thresholds for decisions that will need to be approved by Ofgem are set out below, which includes when decisions

have particular impacts on design, plan baselines, costs or consumers. In addition, Ofgem has a role ensuring that parties are treated fairly within the programme and that any conflicts of interest between Elexon's roles in the programme are effectively managed.

1.35. **Senior Responsible Owner (SRO)** - Elexon in its role of MHHS IM. The SRO has responsibility and accountability for delivering MHHS according to the design and implementation plan baselines set by Ofgem. The SRO will be obliged to operate programme governance as described here. The SRO will chair the Programme Steering Group and will formally take Steering Group decisions. The SRO should aim for consensus wherever possible and seek to take into account the interests of all programme parties and consumers. The SRO is accountable for keeping MHHS implementation to plan. The SRO will need to ensure that decisions are taken in a timely way, whilst ensuring that appropriate consultation of all programme parties is carried out at all stages. Where the SRO is unable to make a decision because it meets the threshold set out for Ofgem intervention, they will provide a recommendation to Ofgem for consideration.

1.36. **MHHS Programme Steering Group (PSG)** - industry representatives, chaired by Elexon as MHHS IM. The PSG is the key programme decision-making group. The SRO will make decisions in PSG, informed by PSG and seeking consensus among PSG members. Where the SRO is unable to achieve consensus, the SRO will articulate the reason for its decision, and the dissenting voices, and will seek the views of the IPA as to whether the matter meets the thresholds for reference to Ofgem. The PSG will comprise:

- SRO - Chair
- MHHS IM's Programme Director
- PMO
- SI
- PPC
- IPA
- Elexon as BSC systems provider
- DCC as smart meter central system provider
- National Grid Electricity System Operator
- Any other provider of a central system required for MHHS implementation (e.g. communications provider)

- 1 large supplier representative
- 1 medium supplier **representative**
- 1 small supplier representative
- 1 non-domestic supplier representative
- 2 supplier agent representatives, at least one of which must be nominated by independent supplier agents
- 1 DNO representative
- 1 iDNO representative
- 1 consumer representative (someone with extensive industry change programme delivery experience with a remit to represent consumer interests)
- Ofgem would be invited to attend as an observer.

1.37. **MHHS Independent Programme Assurance provider (IPA)** - procured and ultimately managed by Ofgem, subject to contract management by Elexon as MHHS IM. The IPA has a wide remit to provide assurance on the performance and processes of all MHHS Participants. The IPA has a specific focus on the effective operation of programme governance, including escalation through the structure to Ofgem; activities and delivery of the PMO, activities and delivery of the Design Authority, activities and delivery of the SI, activities and delivery of the PPC, delivery and progress of the central system providers (Elexon, DCC and any other); and progress of the MHHS Participants. The IPA can be commissioned directly by the SRO, by PSG members and by Ofgem, and reports directly to the SRO, PSG and Ofgem without any SRO/Elexon pre-scrutiny of reports. The IPA determines when the threshold for Ofgem intervention has been reached on any issue and recommends that the SRO refer the matter to Ofgem. The IPA can escalate matters directly to Ofgem where they consider it appropriate to do so.

1.38. **System Integrator (SI)** – procured by Elexon as MHHS IM. The SI is responsible for ensuring that all systems are effectively integrated to deliver MHHS. The SI is responsible for ensuring that all necessary design artefacts are produced in a timely manner with appropriate consultation of parties, and that they are complete and sufficient to enable all parties to build and test their systems ahead of integration or user testing. The SI is responsible for ensuring that integration, user and end to end testing is planned and prepared in a timely manner, with appropriate consultation of parties and in a way sufficient to allow all parties to plan and prepare for their roles in testing. The SI is likely to run detailed technical working groups as appropriate. These working groups may take

decisions where asked to do so by the SRO, noting that the SRO cannot delegate any decisions that pass the threshold for Ofgem intervention.

- 1.39. **Programme Party Coordinator (PPC)** – procured by Elexon as MHHS IM: is responsible for ensuring that all programme parties are aware of their obligations in relation to MHHS and for supporting them in carrying out those obligations as they relate to the preparation and testing of central systems.
- 1.40. **Programme Management Office (PMO)** – some or all elements procured by Elexon as MHHS IM. The PMO is responsible for providing full and effective programme management to support MHHS implementation. The PMO is responsible for establishing and administering the governance groups required under this MHHS Governance Framework, including managing the programme documentation, dissemination to and consultation with programme parties and baselining of approved documents. The PMO will be responsible for establishing and administering the document change control process. They will track and report on progress against the MHHS Implementation Timetable to the MHHS SRO and Programme Steering Group, as well as be responsible for identifying risks to the successful completion of the MHHS Implementation Timetable milestones.
- 1.41. **Design Authority** (level 3 group) – chaired by Elexon as MHHS IM with a similar representative structure to the PSG. The Design Authority is responsible for all design decisions and all change requests that impact on design. The Design Authority may take decisions where authority to do so is delegated by the SRO, noting that the SRO cannot delegate any decisions that pass the threshold for Ofgem intervention. The Design Authority must ensure that any decisions are based on full transparency with MHHS Participants, and appropriate consultation with impacted parties. Where parties raise significant concerns that the design authority decision would not address, the decision should be escalated to the PSG.
- 1.42. **Design working groups** (level 4 group) – chaired by Elexon as MHHS IM. The Design Authority can convene working groups, open to industry participants, as required. Where recommendations from the design working groups relate to a decision that passes the threshold for Ofgem intervention, those recommendations should be submitted to Ofgem with an indication of stakeholder comments. The CCDG, as it completes its current work, will also report to the design authority. Where any CCDG recommendations pass the threshold for

Ofgem intervention those recommendations should be submitted to Ofgem with an indication of stakeholder comments. The Design Authority is likely to establish a change group to look at change requests raised during MHHS.

- 1.43. **Implementation Group** (level 3 group) – chaired by the PMO with a similar representative structure as the PSG. The Implementation Group is responsible for oversight of the implementation process. The Implementation Group should be made up of MHHS Participant representatives and will be responsible for proposing and consulting and making recommendations on the implementation plan, on all sub-plans including testing plans, environment plans, qualification plans, migration plans, data cleanse plans, and any other plans that the SRO, PMO or SI consider are required. The Implementation Group, and/or the PMO, will have authority to make decisions as delegated to it by the SRO, noting that the SRO cannot delegate any decisions that pass the threshold for Ofgem intervention. The Implementation Group will track progress against plans and identify and resolve issues proactively to keep the programme on track. The Implementation Group should ensure that all artefacts on which it takes decisions are provided to MHHS Participants in a timely manner, and that all impacted parties have an appropriate opportunity to comment. Where parties raise significant concerns that the Implementation Group decision would not address, the decision should be escalated to the PSG.
- 1.44. **Implementation Working Groups** (level 4 groups) – chaired by the PMO. The PMO may convene working groups, open to industry representatives, as required. These are likely to cover key areas of implementation including testing, data, qualification, migration and post implementation. These working groups should be open to all MHHS Participants and should ensure that all work is transparent to all MHHS Participants and allows MHHS Participants and appropriate opportunity to comment. Implementation working groups should report to the Implementation Group where decisions are made.
- 1.45. **Cross Code Advisory Group** (level 3 group) – chaired by Elexon acting as MHHS IM. The Cross Code Advisory Group is a new group established for the purposes of MHHS implementation only. This group will bring together representatives from the BSC, SEC, REC, DCUSA and CUSC to ensure that there is confidence in the end-to-end approach and design, and that all code change activity is planned and executed in a coordinated and complementary way. This group should operate by

consensus, following input from industry. Where consensus cannot be reached the group can seek guidance from the Design Authority and PSG. Where consensus still cannot be reached the group can seek guidance from Ofgem. The Cross Code Advisory Group will report on progress and any issues to the Programme Steering Group to ensure full visibility and transparency across the Programme of progression co-ordinated code work.

- 1.46. The Cross Code Advisory Group will be responsible for ensuring that each code manager has identified any action required in respect of their code to support the successful implementation of MHHS, and that they have a plan to deliver those actions in accordance with the baselined Implementation Plan. The group will report to the PSG on progress against their plans and advise the PSG of any risks, opportunities or challenges that it identifies in relation to MHHS implementation. The group will work cooperatively to ensure any desirable cross-code co-ordination is identified, agreed and enacted.

MHHS Implementation Timetable

- 1.47. The initial timetable for MHHS Implementation is set out in Ofgem's April Decision⁵.
- 1.48. The development of, and changes to, the MHHS Implementation Timetable shall be subject to the governance change process described below.

MHHS Target Operating Model Governance Change Process

- 1.51. Elexon, as PMO, is responsible for establishing and administering a robust change control process to apply to the **EHIS** MHHS **Programme** Governance Framework and the relevant programme documents.
- 1.52. A different change process may be established for different programme documents to reflect their relative significance.

⁵ See the [Market-wide Half-hourly Settlement Decision and Full Business Case](#).

- 1.53. Elexon shall develop, consult on and obtain Ofgem's approval of the initial change process. This process shall allow any MHHS Participant to raise a change. This process shall also ensure that changes are subject to impact assessment and consultation with relevant stakeholders and that the proposals and outcomes are clearly communicated in a timely manner (that takes into consideration the time needed for MMHS Participants to adapt).
- 1.54. All proposed changes must be impact assessed. That impact assessment will be required to include the costs and benefits of the change, taking account of costs across the industry and across the investment period for the programme, the reasons for why the change is required, and the impacts it would have on the delivery timescale. It must also include an evidenced assessment of whether the proposed change would sit within the SRO scope or whether it would meet any of criteria for Ofgem intervention (See Section 6). In particular this means that it must consider any impact on the design baseline as approved by Ofgem, and any impact on consumers. Where the change request sits within the SRO scope, the decision on whether to accept or reject the change can be made under the decision-making governance, as set out above. Where the proposed change would meet any of the criteria for Ofgem intervention, then the SRO would be obliged to inform Ofgem, and the change would require Ofgem approval to be accepted.
- 1.55. It is important that all decisions taken in respect of MHHS implementation have the interests of consumers in mind. One element of that consumer focus is that the full industry impact and cost of different approaches should be considered, with action taken where it can be done most efficiently and cost-effectively.

Thresholds for Ofgem Decisions

1.56. Ofgem will receive regular reports from Elexon as SRO and from the IPA. Ofgem will, in accordance with its statutory objectives, determine whether to take actions in response to those reports. Each MHHS Participant is obliged by [paragraph 12 of sSection C12](#) of the BSC to comply with Ofgem's directions.

1.57. Without limiting the circumstances in which Ofgem may choose to take particular decisions and direct particular courses of action, Elexon (as SRO), with the agreement of the IPA, will ensure that the following are referred to Ofgem for determination:

- any forecast or re-plan that would move one or more of the level 1 [or tier 1](#) milestones by [any length of time](#) ~~three months or more~~;
- any decisions that would require a material or fundamental change to the Target Operating Model. A material or fundamental change would include:
 - a change that materially changes the TOM services (for example a change for what they are responsible for, or who can carry them out);
 - a change to any of the policy decisions made on access to data or agent functions;
 - a creation of business process Service Level Agreements (SLAs) that would impact the reduced settlement timetable;
 - a change which means the TOM would no longer meet the [TOM Design](#) or [TOM Development](#) Principles; and/or
 - a change to the settlement timetable.
- any decisions that would alter the forecast costs or benefits of MHHS compared to those set out in Ofgem's impact assessment published on 20 April 2021⁷ for MHHS by more than: £5m for an individual decision, or £20m cumulatively;
- any decisions that could have a significant impact on competition or market stability, including where a situation arises in which a party or parties argue that their interests are being treated less favourably, without good reason, than those of other parties;
- any decision that could have a significant impact on consumers; and/or

⁷ See the [Market-wide Half-hourly Settlement Decision and Full Business Case](#).

- any significant changes to this MHHS Governance Framework, including where changes are proposed to the scope of the IPA's remit or to the criteria or thresholds for Ofgem intervention.
- 1.58. For clarity regarding the first bullet above, once a change to (for example) a level 1 **or tier 1** milestone is agreed by Ofgem then the plan would be re-baselined on that basis and any subsequent movement of a level 1 milestone by **any length of time** ~~3 months or more~~ from that plan would again require Ofgem approval.
- 1.59. Where the IPA considers that a decision meets one of the above thresholds and it has not been referred to Ofgem by the SRO then the IPA shall refer the matter to Ofgem.
- 1.60. Notwithstanding that a decision has been referred to Ofgem, Ofgem may decline to determine the matter for whatever reason.
- 1.61. Pending any decision by Ofgem to accept or decline the reference, and pending Ofgem's determination of any matter referred to it, the decision of the MHHS IM shall be implemented (unless and to the extent that Ofgem directs otherwise).
- 1.62. Nothing in this MHHS Governance Framework will fetter Ofgem's statutory powers and duties. Licensees have licence obligations to comply with the **paragraph 12 of sSection C12** of the BSC, and Ofgem may take enforcement action in the event of any breach of those obligations.

Further Ofgem Intervention

- 1.63. Ofgem reserves the right at any time to determine that Ofgem – or another entity chosen by Ofgem - will take over one or more of Elexon's roles as MHHS IM (or part of one or more of those roles).
- 1.64. Ofgem only expects to use this right as a last resort. Elexon is obliged and empowered by the BSC to deliver MHHS implementation, and cannot rely upon Ofgem to step-in. Nevertheless, Ofgem may choose to do so at any time, having first sought views from MHHS Participants and the IPA.
- 1.65. Elexon will abide by and co-operate with Ofgem's decision to step-in or appoint a third party to step-in.
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- 1.66. Without fettering Ofgem's discretion, Ofgem may choose to step-in if one or more of the following circumstances arise:
- the wider strategic context has fundamentally changed the basis for Ofgem's MHHS decision, so that the Target Operating Model is no longer appropriate;
 - there is a significant proposed or forecast shift in either costs (materially higher and significantly exceeding the £20m cumulative threshold for Ofgem intervention) or benefits (materially lower) than those set out in Ofgem's original impact assessment for MHHS;
 - significant delays (beyond 3 months) to planned implementation are experienced or forecast;
 - where there is a breakdown of trust between programme parties and the Elexon as the MHHS IM that Ofgem considers cannot be remedied.

Elexon Costs

- 1.67. The BSC requires Elexon to ensure that costs it incurs as MHHS IM are economically and efficiently incurred, and to keep separate records of these costs.
- 1.68. The BSC also requires Elexon to separately identify these costs in preparing and revising its annual budgets, and to report on these costs to the PSG.
- 1.69. The PSG shall review each draft budget and draft budget revision provided to it by Elexon. The PSG shall seek representations from stakeholders not directly involved in PSG. The PSG shall provide critical feedback to Elexon on each budget and seek to hold Elexon to account in terms of ensuring costs are economically and efficiently incurred.

Appendix 2 –MHHS Governance Framework – proposed amendments – unmarked version

Background

- 1.1. This document sets out or identifies by reference the component parts of the MHHS Governance Framework for implementation of the Market-Wide Half-Hourly Settlement (MHHS) programme.
- 1.2. This MHHS Governance Framework is established under paragraph 12 of Section C of the Balancing and Settlement Code (BSC). This is a regulated document, and compliance with this document is required under the BSC (and other industry codes which require compliance with paragraph 12 of Section C of the BSC).
- 1.3. Expressions used in this MHHS Governance Framework will be interpreted in accordance with the definitions set out in paragraph 12 of Section C of the BSC.

Objectives

- 1.4. Licensed entities have new regulatory requirements to participate in, and support the programme, as set out in paragraph 12 of Section C of the BSC.
- 1.5. The implementation governance arrangements have been designed to achieve the following high-level objectives:
 - enable objectives and benefits of the MHHS programme to be delivered;
 - secure trust and buy-in across all programme parties;
 - be industry-led;
 - be efficient and streamlined (including supporting rapid decision making and ensuring parties have access to the necessary capacity/capabilities to fulfil their roles); and
 - be clear, transparent and appropriate for different requirements of the programme, e.g. licence obligations, programme management, programme management budget, and change process.
- 1.6. Under these governance arrangements, Ofgem:

- will not be involved in the day-to-day management or decision making of the programme, but will continue to make certain decisions, such as where the thresholds set out in this document are met;
- should be kept updated on progress throughout the programme; and
- will reserve the right to intervene to the programme in certain defined circumstances.

MHHS Implementation Manager

1.7. Unless Ofgem decides otherwise, Elexon (as BSCCo under the BSC) will perform the role of MHHS Implementation Manager (MHHS IM), which includes the component roles of:

- Senior Responsible Owner (SRO);
- Programme Management Office (PMO);
- Design Authority (DA);
- Systems Integrator (SI); and
- Programme Party Co-ordinator (PPC).

Elexon Business Separation Requirements

1.8. It is important that Elexon's role as MHHS IM is kept separate from its role as an MHHS Participant.

1.9. Elexon shall develop, obtain Ofgem's approval of, and comply with a business separation plan which requires explicit, physical, organisation and cultural separation, including:

- Physical – separate office spaces, websites, and email addresses;
- Organisational – the people who are taking operational and management decisions in relation to the MHHS IM role must not be the same people who take decisions in relation to the MHHS Participant role. Reporting from the MHHS IM units to the Elexon executive and board should be in accordance with paragraph 12.4.3 Section C of the BSC; and
- Cultural – this may be achieved through appointment of external service providers for particular roles but can also be achieved through staff training on awareness of separate functions.

1.10. Amongst other things, the MHHS Independent Programme Assurance provider will be responsible for identifying and reporting on issues relating to business separation and Elexon's conflicts of interest. Where the assurance provider considers the issues are material, they will bring them to Ofgem for consideration. Ofgem will then be able to make directions concerning any issues identified, which may include directing Elexon to amend its business separation plan (noting that Elexon is required under the BSC to comply with Ofgem's directions concerning implementation).

MHHS Participants

1.11. A number of stakeholders will need to be actively engaged in delivering the MHHS programme. These entities are referred to as MHHS Participants, which include:

- BSCCo (in its role as MHHS Participant, rather than MHHS IM);
- each Supplier;
- each Licensed Distribution System Operator;
- the DCC;
- each MHHS Affected Code Body;
- each Data Collector;
- each Data Aggregator;
- each Meter Operator Agent; and
- any others directed by the Authority.

MHHS Independent Programme Assurance provider

1.12. An MHHS Independent Programme Assurance provider (IPA)⁸ will be tasked with the important role of programme assurance. This body will be independent of Elexon and will report to Ofgem.

1.13. The IPA will monitor for potential conflicts of interest in Elexon's decision making and also monitor the extent to which the interests of existing and future consumers are being taken into account.

⁸ Referred to in the BSC legal text as the "MHHS Independent Assurance Provider".

- 1.14. The focus of the IPA will be to provide evidence throughout the implementation of MHHS to the SRO, the PMO, the Programme Steering Group and ultimately to Ofgem, to support key decision points, milestones and quality gates in the programme and to assure that the information the programme is being provided by the relevant organisations is accurate, timely and complete, although the IPA will not be assuring each individual MHHS Participant as a matter of course.
- 1.15. The IPA may also be called on from time to time, to provide independent advice on matters arising which could impact on the delivery of the Programme. Whilst Ofgem will contract with the assurance provider, the SRO will be responsible for contract management and shall instruct the assurance provider in accordance with reasonable requests for assurance reports from the Programme Steering Group.
- 1.16. All MHHS Participants are required to submit relevant information to the IPA when asked, and to take such reasonable steps as the IPA recommends, including any re-assurance which is recommended.
- 1.17. All MHHS Participants must also undertake their own internal assurance which may or may not be performed by an independent assurer. Amongst other things, MHHS Participants may be required to provide statements (signed by a board director) of readiness which are required at relevant milestones.
- 1.18. The role of the IPA will not be to repeat the assurance activities of the individual organisations, the System Integrator or the Programme Party Coordinator. The IPA should look at each organisation in sufficient depth to be able to provide insight into the delivery of parties' obligations in respect of the programme, but may regard an individual organisation's assurance reports, or reports from the SI or PPC as relevant evidence. Specifically, the IPA will not be individually assuring the activities of each energy supplier, supplier agent or Licensed Distribution System Operator. Where party self-assessment is used the IPA will provide assurance that the self-assessment reporting is robust and reliable. Where the IPA identifies any risks or concerns, the IPA should work with the relevant organisation to identify recommendations to address those risks and concerns.
- 1.19. The IPA will work closely with each of the central programme parties, including Elexon as the BSC system provider and DCC, as well as the SRO, PMO, SI and PPC to ensure that all central programme documentation and plans are developed

in accordance with programme principles around timeliness, transparency and consultation, and meet quality requirements.

1.20. The IPA will work with all programme parties to ensure that the programme is operating in a way that will lead to successful implementation on the baselined timescales. The IPA should be able to provide early identification of any risks to delivery, together with recommendations to address those risks before they become issues. The IPA should engage actively with programme parties and through programme governance to ensure that they are fully informed about progress and are able to provide real-time advice at all times, but particularly in the run-up to key milestones and decision.

1.21. The assurance objectives are to:

- provide confidence to the MHHS Participants that the programme is set up for success to deliver against the programme objectives;
- deliver independent assurance reporting to support key programme milestones and quality gates;
- provide advice to the SRO, the Programme Steering Group or any other group established under this MHHS Governance Framework, or to Ofgem, on any required improvement to quality and performance to ensure delivery on time and to cost;
- report to the SRO, the Programme Steering Group and to Ofgem, on key milestones. In particular, review evidence from the MHHS IM and MHHS Participants and provide expert opinion on whether these parties and providers are meeting their obligations to the programme;
- ensure that potential conflicts of interest between the Elexon roles are managed appropriately;
- at the request of the SRO, Programme Steering Group or Ofgem provide information on an ad hoc basis on assurance related matters; and
- provide transparent reporting to MHHS Participants (subject to the normal confidentiality protections) to provide a third-party expert independent perspective of the delivery of the Programme.

1.22. The IPA will employ a variety of assurance techniques to assure progress through the implementation phase and will provide reporting to the Programme Steering Group for key programme milestones, review points and quality gates. The IPA shall also undertake assurance of selected activities and organisations on an ad

hoc basis. The assurance reports and any associated remedial recommendations will provide the Programme Steering Group, and ultimately Ofgem, with the confidence that satisfactory progress is being made, and that milestone and quality gate criteria have been met, or suggest areas where remedial action may be required.

- 1.23. Arrangements will be put in place to ensure that the IPA will act independently of Elexon, and that the IPA's findings and recommendations are not unduly influenced or altered by Elexon. Specifically, the IPA will be procured and contracted by Ofgem and will report directly to the Steering Group. All assurance reports will be provided to Ofgem, and other interested parties will also receive copies of any assurance reports relevant to their own service and system provision.
- 1.24. In respect of the assurance services being carried out, Elexon, in its MHHS IM role, will be subject to the same assurance approaches irrespective of the fact that Elexon is acting as the contract manager of the IPA. In providing its assurance of Elexon activities, the assurance provider should also seek regular assurance on an on-going basis that Elexon itself, in its role as MHHS IM, is not giving any preference to Elexon in its role as BSC system provider, for example, testing, defect triage, the resolution of defects and issues, change impact assessments, the provision of Integration services and environments, etc.

Governance/Expert Groups

- 1.25. Elexon, as MHHS IM, will establish a number of industry groups to support and input into the programme. These will initially comprise the following (as further described below):
- the Programme Steering Group;
 - the Design Authority Group
 - the Implementation Group
 - the Programme Workgroups – as required, and including the Code Change Development Group (CCDG) and the Architecture Working Group (AWG);
 - the Programme Technical Groups – as required;
 - the Cross Code Advisory Group (CCAG);
- 1.26. The Programme Workgroups to be established may include:
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- the Post-AWG Workgroup;
- the Security Advisory Group;
- the Data Advisory Group;
- the Testing Working Group;
- the Transition Group; and
- the Post-Implementation Group.

1.27. Elexon, as MHHS IM, will establish the initial groups in consultation with Ofgem, all MHHS Participants and any other stakeholders with an interest. The constitution of each such group shall be designed to enable Elexon to identify and understand the impact (including cost impact) of proposed courses of action. Elexon must ensure that each such group is constituted in a way which allows the differing perspectives of MHHS Participants to be represented. At least one representative from each of the MHHS Participant categories must be invited to become a member of each such group (although failure of any of them to attend will not affect a group's quorum).

1.28. Each industry group must draw-up, publish and comply with a terms of reference document. Elexon will facilitate this process.

Summary of Governance Structure

1.29. The following decision-making structures are designed to help achieve an effective balance between the MHHS IM and the MHHS Participants, in order to ensure that the MHHS IM takes fully informed and effective decisions which are transparent and suitably accountable to MHHS Participants.

1.30. Through these processes, the MHHS IM will engage and consult with industry to ensure that all programme parties feel engaged and able to positively influence the programme. The goal is for all parties to have access to all relevant programme information, and to have an opportunity to participate in and influence the programme decision-making process, without unnecessarily delaying the programme.

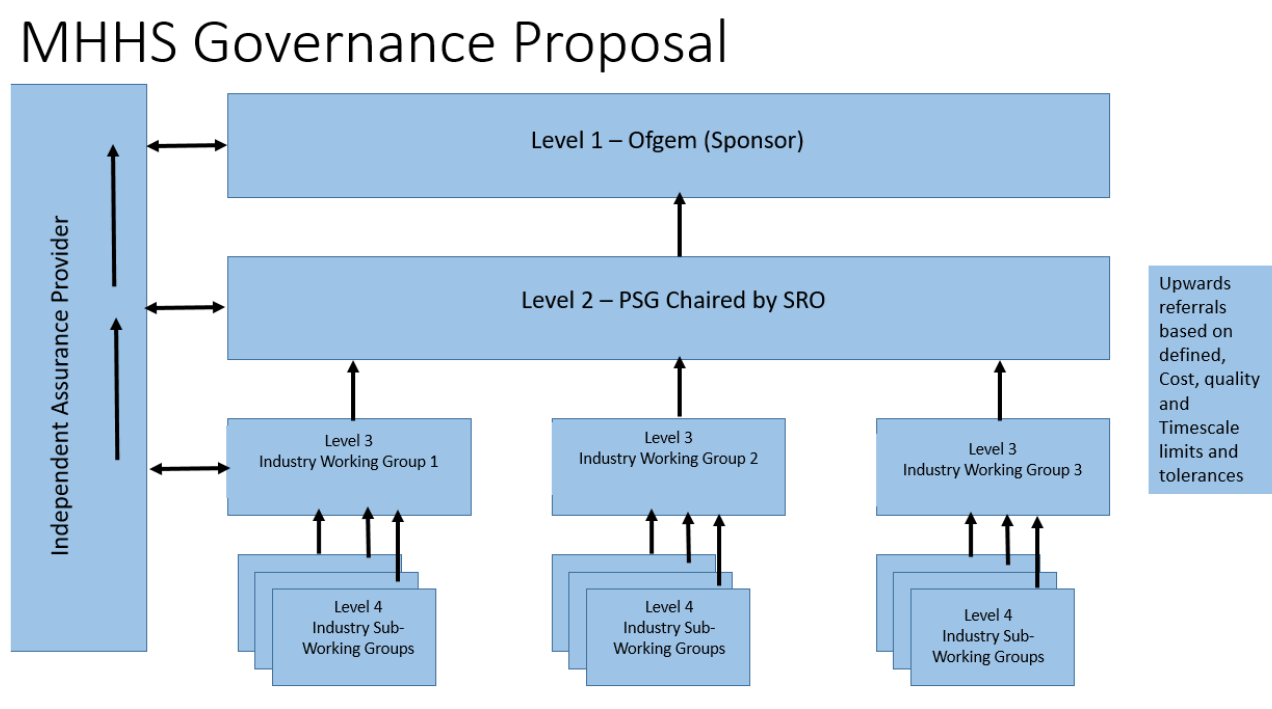
1.31. The PSG and other industry working groups will also have an important role to play in ensuring proper consultation of MHHS Participants and other stakeholders. In order to facilitate timely canvassing of constituents' views, the PSG will

establish indicative timelines for circulating and gathering feedback on papers in advance of PSG meetings.

- 1.32. Through regular ongoing communication and engagement, the MHHS IM must take all reasonable steps to facilitate all parties' understanding of the programme and upfront communication during the initial set up stages will be especially critical.

Governance Structure, Roles and Responsibilities

- 1.33. The following sections set out the role of each initial group and how they interact with each other, including the decision-making structure. The diagram below shows the generic structure:



- 1.34. **Programme Sponsor** - Ofgem. Ofgem set the design and implementation plan baselines in the Decision Document published in April 2021. Ofgem retains overall accountability for achieving the outcomes set out in the Decision Document published alongside the Full Business Case. The thresholds for decisions that will need to be approved by Ofgem are set out below, which includes when decisions have particular impacts on design, plan baselines, costs or consumers. In addition, Ofgem has a role ensuring that parties are treated fairly within the

programme and that any conflicts of interest between Elexon's roles in the programme are effectively managed.

1.35. **Senior Responsible Owner (SRO)** - Elexon in its role of MHHS IM. The SRO has responsibility and accountability for delivering MHHS according to the design and implementation plan baselines set by Ofgem. The SRO will be obliged to operate programme governance as described here. The SRO will chair the Programme Steering Group and will formally take Steering Group decisions. The SRO should aim for consensus wherever possible and seek to take into account the interests of all programme parties and consumers. The SRO is accountable for keeping MHHS implementation to plan. The SRO will need to ensure that decisions are taken in a timely way, whilst ensuring that appropriate consultation of all programme parties is carried out at all stages. Where the SRO is unable to make a decision because it meets the threshold set out for Ofgem intervention, they will provide a recommendation to Ofgem for consideration.

1.36. **MHHS Programme Steering Group (PSG)** - industry representatives, chaired by Elexon as MHHS IM. The PSG is the key programme decision-making group. The SRO will make decisions in PSG, informed by PSG and seeking consensus among PSG members. Where the SRO is unable to achieve consensus, the SRO will articulate the reason for its decision, and the dissenting voices, and will seek the views of the IPA as to whether the matter meets the thresholds for reference to Ofgem. The PSG will comprise:

- SRO - Chair
- MHHS IM's Programme Director
- PMO
- SI
- PPC
- IPA
- Elexon as BSC systems provider
- DCC as smart meter central system provider
- National Grid Electricity System Operator
- Any other provider of a central system required for MHHS implementation (e.g. communications provider)
- 1 large supplier representative
- 1 medium supplier representative

- 1 small supplier representative
- 1 non-domestic supplier representative
- 2 supplier agent representatives, at least one of which must be nominated by independent supplier agents
- 1 DNO representative
- 1 iDNO representative
- 1 consumer representative (someone with extensive industry change programme delivery experience with a remit to represent consumer interests)
- Ofgem would be invited to attend as an observer.

1.37. **MHHS Independent Programme Assurance provider (IPA)** - procured and ultimately managed by Ofgem, subject to contract management by Elexon as MHHS IM. The IPA has a wide remit to provide assurance on the performance and processes of all MHHS Participants. The IPA has a specific focus on the effective operation of programme governance, including escalation through the structure to Ofgem; activities and delivery of the PMO, activities and delivery of the Design Authority, activities and delivery of the SI, activities and delivery of the PPC, delivery and progress of the central system providers (Elexon, DCC and any other); and progress of the MHHS Participants. The IPA can be commissioned directly by the SRO, by PSG members and by Ofgem, and reports directly to the SRO, PSG and Ofgem without any SRO/Elexon pre-scrutiny of reports. The IPA determines when the threshold for Ofgem intervention has been reached on any issue and recommends that the SRO refer the matter to Ofgem. The IPA can escalate matters directly to Ofgem where they consider it appropriate to do so.

1.38. **System Integrator (SI)** – procured by Elexon as MHHS IM. The SI is responsible for ensuring that all systems are effectively integrated to deliver MHHS. The SI is responsible for ensuring that all necessary design artefacts are produced in a timely manner with appropriate consultation of parties, and that they are complete and sufficient to enable all parties to build and test their systems ahead of integration or user testing. The SI is responsible for ensuring that integration, user and end to end testing is planned and prepared in a timely manner, with appropriate consultation of parties and in a way sufficient to allow all parties to plan and prepare for their roles in testing. The SI is likely to run detailed technical working groups as appropriate. These working groups may take decisions where asked to do so by the SRO, noting that the SRO cannot delegate any decisions that pass the threshold for Ofgem intervention.

- 1.39. **Programme Party Coordinator (PPC)** – procured by Elexon as MHHS IM: is responsible for ensuring that all programme parties are aware of their obligations in relation to MHHS and for supporting them in carrying out those obligations as they relate to the preparation and testing of central systems.
- 1.40. **Programme Management Office (PMO)** – some or all elements procured by Elexon as MHHS IM. The PMO is responsible for providing full and effective programme management to support MHHS implementation. The PMO is responsible for establishing and administering the governance groups required under this MHHS Governance Framework, including managing the programme documentation, dissemination to and consultation with programme parties and baselining of approved documents. The PMO will be responsible for establishing and administering the document change control process. They will track and report on progress against the MHHS Implementation Timetable to the MHHS SRO and Programme Steering Group, as well as be responsible for identifying risks to the successful completion of the MHHS Implementation Timetable milestones.
- 1.41. **Design Authority** (level 3 group) – chaired by Elexon as MHHS IM with a similar representative structure to the PSG. The Design Authority is responsible for all design decisions and all change requests that impact on design. The Design Authority may take decisions where authority to do so is delegated by the SRO, noting that the SRO cannot delegate any decisions that pass the threshold for Ofgem intervention. The Design Authority must ensure that any decisions are based on full transparency with MHHS Participants, and appropriate consultation with impacted parties. Where parties raise significant concerns that the design authority decision would not address, the decision should be escalated to the PSG.
- 1.42. **Design working groups** (level 4 group) – chaired by Elexon as MHHS IM. The Design Authority can convene working groups, open to industry participants, as required. Where recommendations from the design working groups relate to a decision that passes the threshold for Ofgem intervention, those recommendations should be submitted to Ofgem with an indication of stakeholder comments. The CCDG, as it completes its current work, will also report to the design authority. Where any CCDG recommendations pass the threshold for Ofgem intervention those recommendations should be submitted to Ofgem with an indication of stakeholder comments. The Design Authority is likely to establish a change group to look at change requests raised during MHHS.

- 1.43. **Implementation Group** (level 3 group) – chaired by the PMO with a similar representative structure as the PSG. The Implementation Group is responsible for oversight of the implementation process. The Implementation Group should be made up of MHHS Participant representatives and will be responsible for proposing and consulting and making recommendations on the implementation plan, on all sub-plans including testing plans, environment plans, qualification plans, migration plans, data cleanse plans, and any other plans that the SRO, PMO or SI consider are required. The Implementation Group, and/or the PMO, will have authority to make decisions as delegated to it by the SRO, noting that the SRO cannot delegate any decisions that pass the threshold for Ofgem intervention. The Implementation Group will track progress against plans and identify and resolve issues proactively to keep the programme on track. The Implementation Group should ensure that all artefacts on which it takes decisions are provided to MHHS Participants in a timely manner, and that all impacted parties have an appropriate opportunity to comment. Where parties raise significant concerns that the Implementation Group decision would not address, the decision should be escalated to the PSG.
- 1.44. **Implementation Working Groups** (level 4 groups) – chaired by the PMO. The PMO may convene working groups, open to industry representatives, as required. These are likely to cover key areas of implementation including testing, data, qualification, migration and post implementation. These working groups should be open to all MHHS Participants and should ensure that all work is transparent to all MHHS Participants and allows MHHS Participants and appropriate opportunity to comment. Implementation working groups should report to the Implementation Group where decisions are made.
- 1.45. **Cross Code Advisory Group** (level 3 group) – chaired by Elexon acting as MHHS IM. The Cross Code Advisory Group is a new group established for the purposes of MHHS implementation only. This group will bring together representatives from the BSC, SEC, REC, DCUSA and CUSC to ensure that there is confidence in the end-to-end approach and design, and that all code change activity is planned and executed in a coordinated and complementary way. This group should operate by consensus, following input from industry. Where consensus cannot be reached the group can seek guidance from the Design Authority and PSG. Where consensus still cannot be reached the group can seek guidance from Ofgem. The Cross Code Advisory Group will report on progress and any issues to the Programme Steering

Group to ensure full visibility and transparency across the Programme of progression co-ordinated code work.

- 1.46. The Cross Code Advisory Group will be responsible for ensuring that each code manager has identified any action required in respect of their code to support the successful implementation of MHHS, and that they have a plan to deliver those actions in accordance with the baselined Implementation Plan. The group will report to the PSG on progress against their plans and advise the PSG of any risks, opportunities or challenges that it identifies in relation to MHHS implementation. The group will work cooperatively to ensure any desirable cross-code co-ordination is identified, agreed and enacted.

MHHS Implementation Timetable

- 1.47. The initial timetable for MHHS Implementation is set out in Ofgem's April Decision⁹.
- 1.48. The development of, and changes to, the MHHS Implementation Timetable shall be subject to the governance change process described below.

MHHS Target Operating Model

- 1.49. The initial MHHS Target Operating Model (TOM) is described in the Decision Letter published by Ofgem on 20 April 2021¹⁰ and as will be further specified through MHHS Implementation.
- 1.50. The development of, and changes to, the TOM shall be subject to the governance change process described below.

⁹ See the [Market-wide Half-hourly Settlement Decision and Full Business Case](#).

¹⁰ See the [Market-wide Half-hourly Settlement Decision and Full Business Case](#).

Governance Change Process

- 1.51. Elexon, as PMO, is responsible for establishing and administering a robust change control process to apply to the MHHS Programme Governance Framework and the relevant programme documents.
- 1.52. A different change process may be established for different programme documents to reflect their relative significance.
- 1.53. Elexon shall develop, consult on and obtain Ofgem's approval of the initial change process. This process shall allow any MHHS Participant to raise a change. This process shall also ensure that changes are subject to impact assessment and consultation with relevant stakeholders and that the proposals and outcomes are clearly communicated in a timely manner (that takes into consideration the time needed for MMHS Participants to adapt).
- 1.54. All proposed changes must be impact assessed. That impact assessment will be required to include the costs and benefits of the change, taking account of costs across the industry and across the investment period for the programme, the reasons for why the change is required, and the impacts it would have on the delivery timescale. It must also include an evidenced assessment of whether the proposed change would sit within the SRO scope or whether it would meet any of criteria for Ofgem intervention (See Section 6). In particular this means that it must consider any impact on the design baseline as approved by Ofgem, and any impact on consumers. Where the change request sits within the SRO scope, the decision on whether to accept or reject the change can be made under the decision-making governance, as set out above. Where the proposed change would meet any of the criteria for Ofgem intervention, then the SRO would be obliged to inform Ofgem, and the change would require Ofgem approval to be accepted.
- 1.55. It is important that all decisions taken in respect of MHHS implementation have the interests of consumers in mind. One element of that consumer focus is that the full industry impact and cost of different approaches should be considered, with action taken where it can be done most efficiently and cost-effectively.

Thresholds for Ofgem Decisions

1.56. Ofgem will receive regular reports from Elexon as SRO and from the IPA. Ofgem will, in accordance with its statutory objectives, determine whether to take actions in response to those reports. Each MHHS Participant is obliged by paragraph 12 of Section C of the BSC to comply with Ofgem's directions.

1.57. Without limiting the circumstances in which Ofgem may choose to take particular decisions and direct particular courses of action, Elexon (as SRO), with the agreement of the IPA, will ensure that the following are referred to Ofgem for determination:

- any forecast or re-plan that would move one or more of the level 1 or tier 1 milestones by any length of time;
- any decisions that would require a material or fundamental change to the Target Operating Model. A material or fundamental change would include:
 - a change that materially changes the TOM services (for example a change for what they are responsible for, or who can carry them out);
 - a change to any of the policy decisions made on access to data or agent functions;
 - a creation of business process Service Level Agreements (SLAs) that would impact the reduced settlement timetable;
 - a change which means the TOM would no longer meet the [TOM Design](#) or [TOM Development](#) Principles; and/or
 - a change to the settlement timetable.
- any decisions that would alter the forecast costs or benefits of MHHS compared to those set out in Ofgem's impact assessment published on 20 April 2021¹¹ for MHHS by more than: £5m for an individual decision, or £20m cumulatively;
- any decisions that could have a significant impact on competition or market stability, including where a situation arises in which a party or parties argue that their interests are being treated less favourably, without good reason, than those of other parties;
- any decision that could have a significant impact on consumers; and/or

¹¹ See the [Market-wide Half-hourly Settlement Decision and Full Business Case](#).

- any significant changes to this MHHS Governance Framework, including where changes are proposed to the scope of the IPA's remit or to the criteria or thresholds for Ofgem intervention.
- 1.58. For clarity regarding the first bullet above, once a change to (for example) a level 1 or tier 1 milestone is agreed by Ofgem then the plan would be re-baselined on that basis and any subsequent movement of a level 1 milestone by any length of time from that plan would again require Ofgem approval.
- 1.59. Where the IPA considers that a decision meets one of the above thresholds and it has not been referred to Ofgem by the SRO then the IPA shall refer the matter to Ofgem.
- 1.60. Notwithstanding that a decision has been referred to Ofgem, Ofgem may decline to determine the matter for whatever reason.
- 1.61. Pending any decision by Ofgem to accept or decline the reference, and pending Ofgem's determination of any matter referred to it, the decision of the MHHS IM shall be implemented (unless and to the extent that Ofgem directs otherwise).
- 1.62. Nothing in this MHHS Governance Framework will fetter Ofgem's statutory powers and duties. Licensees have licence obligations to comply with the paragraph 12 of Section C of the BSC, and Ofgem may take enforcement action in the event of any breach of those obligations.

Further Ofgem Intervention

- 1.63. Ofgem reserves the right at any time to determine that Ofgem – or another entity chosen by Ofgem - will take over one or more of Elexon's roles as MHHS IM (or part of one or more of those roles).
- 1.64. Ofgem only expects to use this right as a last resort. Elexon is obliged and empowered by the BSC to deliver MHHS implementation, and cannot rely upon Ofgem to step-in. Nevertheless, Ofgem may choose to do so at any time, having first sought views from MHHS Participants and the IPA.

- 1.65. Elexon will abide by and co-operate with Ofgem's decision to step-in or appoint a third party to step-in.
- 1.66. Without fettering Ofgem's discretion, Ofgem may choose to step-in if one or more of the following circumstances arise:
- the wider strategic context has fundamentally changed the basis for Ofgem's MHHS decision, so that the Target Operating Model is no longer appropriate;
 - there is a significant proposed or forecast shift in either costs (materially higher and significantly exceeding the £20m cumulative threshold for Ofgem intervention) or benefits (materially lower) than those set out in Ofgem's original impact assessment for MHHS;
 - significant delays (beyond 3 months) to planned implementation are experienced or forecast;
 - where there is a breakdown of trust between programme parties and the Elexon as the MHHS IM that Ofgem considers cannot be remedied.

Elexon Costs

- 1.67. The BSC requires Elexon to ensure that costs it incurs as MHHS IM are economically and efficiently incurred, and to keep separate records of these costs.
- 1.68. The BSC also requires Elexon to separately identify these costs in preparing and revising its annual budgets, and to report on these costs to the PSG.
- 1.69. The PSG shall review each draft budget and draft budget revision provided to it by Elexon. The PSG shall seek representations from stakeholders not directly involved in PSG. The PSG shall provide critical feedback to Elexon on each budget and seek to hold Elexon to account in terms of ensuring costs are economically and efficiently incurred.

Appendix 3 – Privacy notice on consultations

Personal data

The following explains your rights and gives you the information you are entitled to under the General Data Protection Regulation (GDPR).

Note that this section only refers to your personal data (your name address and anything that could be used to identify you personally) not the content of your response to the consultation.

1. The identity of the controller and contact details of our Data Protection Officer

The Gas and Electricity Markets Authority is the controller, (for ease of reference, "Ofgem"). The Data Protection Officer can be contacted at dpo@ofgem.gov.uk

2. Why we are collecting your personal data

Your personal data is being collected as an essential part of the consultation process, so that we can contact you regarding your response and for statistical purposes. We may also use it to contact you about related matters.

3. Our legal basis for processing your personal data

As a public authority, the GDPR makes provision for Ofgem to process personal data as necessary for the effective performance of a task carried out in the public interest. i.e. a consultation.

4. With whom we will be sharing your personal data

(Include here all organisations outside Ofgem who will be given all or some of the data. There is no need to include organisations that will only receive anonymised data. If different organisations see different set of data then make this clear. Be as specific as possible.)

5. For how long we will keep your personal data, or criteria used to determine the retention period.

Your personal data will be held for (be as clear as possible but allow room for changes to programmes or policy. It is acceptable to give a relative time e.g. 'six months after the project is closed')

6. Your rights

The data we are collecting is your personal data, and you have considerable say over what happens to it. You have the right to:

1. know how we use your personal data
2. access your personal data
3. have personal data corrected if it is inaccurate or incomplete
4. ask us to delete personal data when we no longer need it
5. ask us to restrict how we process your data
6. get your data from us and re-use it across other services
7. object to certain ways we use your data
8. be safeguarded against risks where decisions based on your data are taken entirely automatically
9. tell us if we can share your information with 3rd parties
10. tell us your preferred frequency, content and format of our communications with you
11. to lodge a complaint with the independent Information Commissioner (ICO) if you think we are not handling your data fairly or in accordance with the law. You can contact the ICO at <https://ico.org.uk/>, or telephone 0303 123 1113.

7. Your personal data will not be sent overseas (Note that this cannot be claimed if using Survey Monkey for the consultation as their servers are in the US. In that case use “the Data you provide directly will be stored by Survey Monkey on their servers in the United States. We have taken all necessary precautions to ensure that your rights in term of data protection will not be compromised by this”.

8. Your personal data will not be used for any automated decision making.

9. Your personal data will be stored in a secure government IT system. (If using a third party system such as Survey Monkey to gather the data, you will need to state clearly at which point the data will be moved from there to our internal systems.)

10. More information For more information on how Ofgem processes your data, click on the link to our “[ofgem privacy promise](#)”.