**Change Request Form**

## Change Request details

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| Change Request details |
| Change Request Title | *Change to interface MHHS-IF-165 P0210 TUoS reporting* |
| Change Request Number | *CR032* |
| Originating Advisory / Working Group | *DAG* |
| Risk/issue reference |  |
| Change Raiser | *Andrew Dudkowsky, National Grid ESO* | Date raised: | *11/09/2023* |

***For further guidance on how to complete this document please see the supporting Change Request Form Guidance for Programme Participants. The guidance will support raising a change and responding to a change request via Impact Assessment. The Change Raiser should consider sharing the draft Change Request Form with impacted programme parties, prior to submission to PMO. The guidance, as well as other key documents are referenced below and can be found via the MHHS website.***

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| Change Request to be read in conjunction with: |
| MHHS Change Request Form Guidance for Programme Participants |
| MHHS Change Control Approach |
| MHHS Governance Framework |
| Ofgem’s MHHS Transition Timetable |

### Part A – Description of proposed change

**Guidance *– This section should be completed by the Change Raiser when raising the Change Request.***

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| Part A – Description of proposed change |
| **Issue statement:***(what is the issue that needs to be resolved by the change)*    The P0210 file is currently generated by Elexon's Supplier Volume Allocation Agent (SVAA) system and is used by the ESO for the purpose of TNUoS and BSUoS charging, reporting and forecasting. **The ESO is the sole recipient of this file.** This file is in scope of the interfaces impacted by the MHHS. The Programme have proposed a revised P0210 file. This is linked below and described as report ELEX-REP-080 / interface MHHS-IF-165. This proposed file would be used to report migrated consumption only. Non-migrated consumption would continue to be reported using the existing P0210 file layout. ESO would be required to load both versions of the P0210 and combine the data for the purpose of TNUoS and BSUoS reporting. This approach would increase delivery timescales and would see a significant increase in effort, cost and risk for both Elexon and ESO due to the resultant significant changes required to both parties' software systems. In particular there is an issue that the original design could not be delivered by the Helix Programme ready for the start of SIT testing unless there was a significant change to the Helix Programme priorities. The change is only required during the MHHS Transition Period and would become redundant by the Final Reconciliation (RF) Settlement Run for the final Settlement Date of the Transition Period. This CR proposes that a design (described at high level below and developed jointly between the ESO and Elexon) based on the existing P0210 file structure will be delivered at significantly lower delivery time, cost, effort and risk. Elexon have been consulted on this CR and are supportive of this proposal.   |
| **Description of change:***(what is the change you are proposing)*This change will consist of the following: * MHHS-IF-165 / ELEX-REP-080 will no longer be required as part of the MHHS Programme. In its place the existing TUoS Report (HH/NHH Split) (P0210) will be used for TNUoS reporting. The P0210 will form part of the MHHS scope.
* This CR proposes to use the existing P0210 file for the purpose of TNUoS reporting.
* It was stated earlier that ELEX-REP-080 never formed part of the scope for SIT testing. A dependency will be built between the development and testing of this change and the overall MHHS Programme.

**The derivation of the fields that constitute the P0210 / ELEX-REP-080 will be formally agreed following the conclusion of discussions between ESO and Elexon Helix and are therefore not included in this CR.** **The original design *(for context):**** A new TNUos reporting file (ELEX-REP-080). All migrated consumption would be reported in this file. Non-migrated consumption would be reported in the legacy P0210 file.
* The ESO would develop functionality to receive, validate and ingest ELEX-REP-080 into its revenue systems alongside existing functionality to process the legacy P0210 file.
	+ As the structure, formatting and naming conventions of ELEX-REP-080 is fundamentally different from the existing P0210 file, this would represent brand new logic (rather than re-using the same logic used to process to P0210 file).
* The content would be merged with the content received by the P0210 file to create a single version of all consumption.
	+ As the naming conventions between the current P0210 and ELEX-REP-080 are different and ELEX-REP-080 represents the long-term view of TNUoS reporting, to maintain consistency the ESO would need to change existing fields in its revenue system so that they reflect the new naming convention.
	+ For consistency downstream systems that ingest P0210 revenue data and any online systems would also need to change to reflect this new naming convention.
* This combined migrated / non-migrated consumption would then be used to generate TNUoS reporting.
	+ At the end of migration all consumption would be reported in ELEX-REP-080 and no consumption would be reported in P0210.
	+ The ESO would decommission the P0210 file and remove redundant code associated with that file.
	+ The overall deliverable would be tested as part of the overall SIT scope.

**The change request proposes:** * Helix / Elexon would generate the content for both the migrated and non-migrated consumption in a single interface file based on the existing P0210 format.
* The ESO would continue to ingest and process that file.
* This would be the enduring solution both during the migration period as well as after the end of migration.
* The deliverable would be tested outside of the overall SIT scope, but would be completed prior to the start of MPAN migration.

Testing of the change would be performed as a collaboration between the ESO and Helix / Elexon. ESO and Helix / Elexon have a mature process for testing the P0210 file. The expectations on roles and responsibilities would be: **Helix / Elexon:** * Test planning
* Create test environment
* Create test files and share with ESO
* Issue resolution

**ESO:** * Test planning
* Create test environments
* Create test scripts
* Receive test files and process through charging and billing systems
* Execute test scripts
* Issue resolution
* Test reporting
* Test sign-off

**MHHS Programme:** * Awareness

Testing would be outside the scope of the MHHS SIT plan, however a dependency would be built between the development and testing of this change and the overall MHHS Programme. A copy of the latest P0210 file layout can be found in the SVA data catalogue. A link to that file can be found here: <https://www.elexon.co.uk/csd/sva-data-catalogue-volume-1-data-interfaces/>A copy of the proposed ELEX-REP-080 file can be found here: [https://mhhsprogramme.sharepoint.com/:x:/r/sites/Market-wideHalfHourlySettlement/\_layouts/15/Doc.aspx?sourcedoc=%7B9A3005F7-59D0-4AAF-B9AD-E19E8C578D42%7D&file=MHHSP%20-%20ERI011B%20-%20ECS%20Reports%20-%20External%20v5.3.xlsx&action=default&mobileredirect=true&DefaultItemOpen=1&wdLOR=c77F12672-264D-9F4F-B2CB-C03794B9113C](https://mhhsprogramme.sharepoint.com/%3Ax%3A/r/sites/Market-wideHalfHourlySettlement/_layouts/15/Doc.aspx?sourcedoc=%7B9A3005F7-59D0-4AAF-B9AD-E19E8C578D42%7D&file=MHHSP%20-%20ERI011B%20-%20ECS%20Reports%20-%20External%20v5.3.xlsx&action=default&mobileredirect=true&DefaultItemOpen=1&wdLOR=c77F12672-264D-9F4F-B2CB-C03794B9113C)  |
| **Justification for change:***(please attach any evidence to support your justification)*Using a design based on the existing P0210 file will significantly reduce delivery timelines, cost and risk. After the end of MPAN migration the existing P0210 file and associated processing of that file would become redundant. There would be a cost in retiring that file and removing redundant code from legacy systems.      |
| **Consequences of no change:***(what is the consequence of no change)*The issue that the original ELEX-REP-080 design cannot be delivered prior to the start of SIT testing unless there is significant change to the current priorities within the Helix Programme would need to be addressed.       |
| **Alternative options:***(What alternative options or mitigations that have been considered)*None |
| **Risks associated with potential change:***(what risks related to implementation of the proposed change have been identified)*None identified |
| **Stakeholders consulted on the potential change:***(Please document the stakeholders, or stakeholder groups that have been consulted to date on this change. The Change Raiser should consult with relevant programme parties in the drafting of the request, prior to submission to PMO).** Colin Berry, Elexon Market Design
* Lee Godfrey, CGI Helix Programme
* Kevin Spencer, MHHS Programme
 |
| **Target date by which a decision is required:** | November 2023 |

### Part B – Initial Impact of proposed change

**Guidance *– This section should be completed by the Change Raiser before being submitted to the MHHS PMO.***

***Please document the benefits of the change and to delivery of the programme objectives***

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| What benefits does the change bring |
| *(list the benefits of the change and how this improves the business case)*This change does not reduce programme benefits. Helix / Elexon would continue to produce a version of the P0210 file, and the ESO will continue to use that file for TNUoS and BSUoS reporting. However, including both migrated and non-migrated consumption in a single file based on the legacy P0210 format gives the following benefits: * Reduced delivery timescales
* Reduced risk to the wider Helix Programme
* Significantly reduced delivery costs.
* Reduced risk by reducing the amount of changes to legacy systems
* Removes the need for post MPAN migration delivery effort to remove references to redundant files and associated processing associated with the file.
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| Programme Objective | Benefit to delivery of the programme objective |
| To deliver the Design Working Group’s Target Operating Model (TOM) covering the ‘Meter to Bank’ process for all Supplier Volume Allocation Settlement meters | None      |
| To deliver services to support the revised Settlement Timetable in line with the Design Working Group’s recommendation | None      |
| To implement all related Code changes identified under Ofgem’s Significant Code Review (SCR) | None      |
| To implement MHHS in accordance with the MHHS Implementation Timetable | Yes – reduced delivery time, effort and cost; reduced risk      |
| To deliver programme capabilities and outcomes to enable the realisation of benefits in compliance with Ofgem’s Full Business Case | Yes – reduced delivery time, effort and cost; reduced risk |
| To prove and provide a model for future such industry-led change programmes | Noe      |

**Guidance *– Please document the known programme parties and programme deliverables that may be impacted by the proposed change***

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| Impacted areas | Impacted items |
| Impacted Parties | Elexon – Helix Programme; CGI Helix Development Parties; ESO Revenue and Settlement Teams      |
| Impacted Deliverables | Report id ELEX-REP-080 / Interface id MHHS-IF-165      |
| Impacted Milestones | M10 |

**Note *– Please refer to MHHS DEL174 Change Request Guidance for Programme Participants for information on how to score the initial assessment.***

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| Initial assessment |
| Necessity of change |  | Expected lead time |  |
| Rationale of change |  | Expected implementation window |  |
| Expected change impact |  |  |  |

**Guidance *– Please include a reference and link to any additional documentation which the change relates to.***

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| Change Request to be read in conjunction with: |
| **Title** | **Reference** |
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### Part C.1 – Summary of Impact Assessment

### Note – *This section will be completed initially by the Change Raiser and then by Programme Participants as part of the full Impact Assessment.*

### *All Impact Assessment responses will be considered public and non-confidential unless otherwise marked. If there are any specific elements of the response (e.g. costs) that are confidential, please mark the specific sections as confidential rather than the response as a whole. The MHHS Programme will publish all Impact Assessment responses and redact any confidential information as noted.*

**Guidance – Programme Participants are required to:**

**Respond with ‘Agree’, ‘Disagree’ or ‘Abstain’, deleting as appropriate. If the respondent agrees, they can provide additional evidence to further support the assessment. If the respondent disagrees or abstains, they should provide a detailed rationale as to why.**

**Add any additional effects that have not already been identified. In doing so, they should provide as much detail as possible to allow a robust assessment to be made.**

**Proceed to Part C.2 for Impact Assessment Recommendation response once completed.**

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| Part C.1 – Summary of Impact Assessment (complete as appropriate) |
| **Effect on benefits**The change will not impact the benefits attributed to MHHS however it will deliver those benefits at a lower cost and reduced risk.  |
| *<Delete as appropriate>:* **Agree Disagree Abstain** |
| *Impact Assessment respondents to add supporting commentary to support their selection. Where possible, Impact Assessment respondents to identify and describe any further impacts.**Impact Assessment respondents should consider and provide detail of any additional effect e.g. whether there will be an impact on when a benefit will be realised; who will realise the benefit; the extent to which the benefit will be realised.* *Where possible, contextual information should be included e.g. the benefit will be delayed by X weeks; the change means Y population will also realise the benefit.* |
| **Effect on consumers**This change will not impact consumers.  |
| *<Delete as appropriate>:* **Agree Disagree Abstain** |
| *Impact Assessment respondents to add supporting commentary to support their selection. Where possible, Impact Assessment respondents to identify and describe any further impacts.**Impact Assessment respondents should consider and provide detail of any additional effect e.g. whether there will be an impact on service delivery to consumers; will there be a cost impact to consumers; will there be a choice impact to consumers?* *Where possible, contextual information should be included e.g. what is the scale of the effect? Will the effect be permanent?* |
| **Effect on schedule**The complexity of developing and testing the proposed ELEX-REP-080 interface cannot easily be delivered prior to the start of SIT testing unless there is a significant re-prioritising of resources elsewhere within the Helix programme. This proposal reduces the effort and risk to develop this change, and as a consequence allows testing of the change to be performed as a collaboration between Helix and ESO based on existing test schedules and resources.  |
| *<Delete as appropriate>:* **Agree Disagree Abstain** |
| *Impact Assessment respondents to add supporting commentary to support their selection. Where possible, Impact Assessment respondents to identify and describe any further impacts.**Impact Assessment respondents should consider and provide detail of any additional effect e.g. will the schedule/milestones be directly impacted; will the schedule/milestones be indirectly impacted.* *Where possible, contextual information should be included e.g. the change will delay the project by X days; the change will require additional resource to complete (though detail resource in resource section); the delay can/cannot be recovered by condensing Y activity.* |
| **Effect on costs**This will reduce the delivery costs for post the ESO and Elexon’s Helix Programme. It will do this by: * The proposed P0210 file will be heavily based on the existing P0210 file, negating the need to change legacy systems to produce / ingest and process a new file with new attributes.
* The proposal will negate the need for the ESO to process to P0210 files during the migration period.

This proposal will negate the need to remove redundant P0210 file from the ESO / Elexon ecosystem, and negates the need to change legacy systems to remove references to that file and the data it contains.  |
| *<Delete as appropriate>:* **Agree Disagree Abstain** |
| *Impact Assessment respondents to add supporting commentary to support their selection. Where possible, Impact Assessment respondents to identify and describe any further impacts.**Impact Assessment respondents should consider and provide detail of any additional effect e.g. will the change cause a loss of income; will the change cause additional cost; will the change cause a reprofiling of cost?* *Where possible, contextual information should be included e.g. whether it is capital or operating expenditure that will be affected; what period costs will be affected in; what the rough order of magnitude of the cost impact will be and if organisation will be able to absorb it?* |
| **Effect on resources**This change will reduce the Helix and ESO resource required to design this functionality. **There will be no requirement to build a new interface MHHS-IF-165.** |
| *<Delete as appropriate>:* **Agree Disagree Abstain** |
| *Impact Assessment respondents to add supporting commentary to support their selection. Where possible, Impact Assessment respondents to identify and describe any further impacts.* *Impact Assessment respondents should consider and provide detail of any additional effect e.g. will there be an impact on tools or equipment; will there be an impact on staff capacity; will there be an impact on staff skills or capability?* *Where possible, contextual information should be included e.g. the change will require X additional staff for Y period of time; the change requires Z training or support.* |
| **Effect on contract**This change will have no impact on contracts.  |
| *<Delete as appropriate>:* **Agree Disagree Abstain** |
| *Impact Assessment respondents to add supporting commentary to support their selection. Where possible, Impact Assessment respondents to identify and describe any further impacts.* *Impact Assessment respondents should consider and provide detail of any additional effect e.g. whether there will be an impact on contracts with sub-contractors; whether there will be an impact on contracts with vendors; whether there will be an impact on contracts with regulators/ESO.* *Where possible, contextual information should be included e.g. the changes will require new contracts to be created; the changes will variations to existing contracts; the changes will affect ability to meet contract requirements.* |
| **Risks**This change delivers the same outcome with lower complexity and effort compared to the original proposal. It therefore should reduce the overall delivery risk.  |
| *<Delete as appropriate>:* **Agree Disagree Abstain** |
| *Impact Assessment respondents to add supporting commentary to support their selection. Where possible, Impact Assessment respondents to identify and describe any further impacts.* *Impact Assessment respondents should consider and provide detail of any additional effect e.g. will existing risks be affected; will new risks be created?**Where possible, contextual information should be included e.g. the change will affect the likelihood of a risk occurring, the change will affect the impact the risk would have, the change will require additional controls and mitigation.* |

### Part C.2 – Impact Assessment Recommendation

### Note – *This section must be completed initially by the Change Raiser and then by Programme Participants as part of the full Impact Assessment.*

**Guidance – The primary reporting metric of the Impact Assessment is the recommendation response. The consolidated response will be presented to the relevant governance group(s) and decision maker(s) with the totals for ‘Agree’, ‘Disagree’ or ‘Abstain’. As such, please ensure this section is completed before the form is returned to MHHS PMO. Provide detailed rationale and evidence in the commentary field.**

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| Part C.2 – Impact Assessment Recommendation (mandatory) |
| **Recommendation***Change Raiser to provide initial recommendation.***It is recommended by the Change Raiser the change is approved.** |
| *<Delete as appropriate>:* **Agree Disagree Abstain** |
| *Impact Assessment respondents to add supporting commentary to support their selection.* |

**Impact assessment done by:** <Name>

**Guidance*: If you are a third party responding on behalf of another Programme Participant, please state this in your response.***

**Impact assessment completed on behalf of:** <Name>

### Part D – Change approval and decision

**Guidance*: The approvals section will be completed by the MHHS PMO once the Impact Assessment has been reviewed.***

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| Part D - Approvals |
| **Decision authority level**<Based on the impact assessment, state who is required to make a decision concerning this change> |

**Guidance** - ***This section will be completed by the MHHS PMO and Change Owner following the review of the impact assessment and decision reached by the SRO.***

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| Part D – Change decision |
| Decision: |       | Date |       |
| Approvers: |       |  |  |
| Change Owner: |       |
| Action: |       |
| **Changed Items** | **Pre-change version** | **Revised version** |
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### Part E – Implementation completion

**Guidance *- This section will be completed by the MHHS PMO at the end of the post-implementation process.***

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| Part E – Implementation completion |
| Comment |       | Date |       |

**Guidance *– The Closure Checklist in MHHS DEL175 Change Log must also be completed by MHHS PMO at this stage.***

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|      Checklist Completed | Completed by      |
| Yes/No |  |

**Guidance – *This section will be completed by the MHHS PMO at the end of the post-implementation process and should be* used to add any appropriate references of the change once it has been completed.**

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| References |
| **Ref** | **Document number** | **Description** |
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