

Headline report

Meeting name	Code Change & Development Group – MHHS SCR	Purpose of paper	Information
Meeting number	09	Classification	Public
Date and time	15 September 2020	Venue	By webinar

Synopsis **Summary of the ninth CCDG meeting and actions arising.**

1. Introduction, apologies and meeting objectives

- 1.1 The Chairman introduced Thomas Demetriades from Elexon who will be the CCDG Technical Secretary from this meeting onwards.
- 1.2 The CCDG agreed that the rest of its meetings for 2020 will start half an hour earlier and run from 09:30-12:30. It also agreed to hold all future remote meetings using MS Teams rather than Skype. The Chairman noted that Elexon will bring provisional 2021 meeting dates to CCDG10 in October for agreement, and proposed that these continue to be held on the third Tuesday of each month.
- 1.3 The Chairman confirmed that the meeting objectives were to:
 - Sign off the content of Working Document B (GSP Group Correction Factors) and Working Document C (Settlement run-off arrangements), for inclusion in the consultation document
 - Elexon noted that the actual consultation document wording won't be identical, so asked the CCDG to focus on the accuracy of the content
 - Continue nailing-down the content of Working Document A¹, for sign-off at CCDG10
 - Discuss Elexon's suggested skeleton structure for the consultation document
- 1.4 The Chairman reminded CCDG members to notify the relevant Elexon document owners when editing documents in MS Teams, as well as to use redlining, highlight or comment boxes for easy identification of changes.

2. Scope of October-December CCDG meetings

- 2.1 Elexon noted that the scope of the October-December 2020 meetings has changed due to its ongoing re-planning of activities with Ofgem. Elexon and Ofgem have agreed to add a bit more contingency to the plan and to push back the consultation on the detailed Target Operating Model (TOM) design and Code Change Matrices. This is to allow more time for the group to complete its discussions on the outstanding TOM design areas. As this means that the consultation will now be issued in mid-December 2020 (after the December CCDG meeting), the length of the consultation will be extended from four to six weeks to allow for the Christmas period.
- 2.2 Elexon advised that the key milestones for this consultation are now as follows:

¹ Covering Measurement Classes/Consumption Component Classes, Industry Standing Data, Registration (data items, appointments and confirmations), Change of Meter/Segment, Erroneous Transfers, Exception Reporting and Demand Control Events. It may also potentially cover other areas including Radio Teleswitch Service (RTS) Meters, Related Meters and Meter Technical Details (MTDs).

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Milestone	Date
Agree detailed TOM design areas	Oct 2020 meeting
Agree Code Change Matrices	Nov 2020 meeting
Agree final consultation document	Dec 2020 meeting
Publish TOM design & matrices consultation	Mid-December 2020
Consultation closes (6 weeks' duration)	Late January 2021
CCDG discusses consultation responses	Feb 2021 meeting

- 2.3 Elexon also [presented](#) the scope of the October, November and December CCDG meeting agendas in more detail.
- 2.4 Elexon advised that Ofgem has suggested including an extra deliverable in the CCDG work plan, focusing on transition/migration. Elexon is awaiting more information from Ofgem on the potential scope of this deliverable, work on which could potentially start in late 2020. Legal text drafting activities may therefore be pushed back to occur after completion of this extra deliverable.

3. Updates on other SCR work streams

SCR milestones

- 3.1 Ofgem informed the CCDG that its [Draft Impact Assessment Consultation](#) closed on 14 September 2020 and that it will now review the responses and engage with stakeholders accordingly.

Joint subgroup outputs

- 3.2 Ofgem advised that future outputs from the joint subgroup of the CCDG/Architecture Working Group (AWG) will be shared with the CCDG using MS Teams rather than presented at CCDG meetings. Members are invited to join relevant subgroup meetings as appropriate to obtain further detail/context.

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- 3.3 Elexon noted that, now the CCDG has what it needs from the subgroup for its consultation, the pace of the subgroup will be adjusted as required to ensure that CCDG members have sufficient resource to focus on consultation deliverables.

Code Change Matrices

- 3.4 Ofgem also informed the CCDG that the intention is to have the Smart Energy Code (SEC) Code Change Matrix ready for the CCDG's review at CCDG10 in October, following agreement by the SEC's Technical Architecture Business Architecture Sub Committee (TABASC) to create a new SEC User Role for independent Meter Data Retrieval (MDR) Services.² Ofgem advised that the TABASC has agreed to use the existing Data and Communications Company (DCC) service requests, and that requests will be scheduled within 24 hours to mitigate any impact on DCC capacity. Ofgem clarified that this only applies to independent MDR Services and that nothing is changing for existing User Roles.

² The relevant TABASC paperwork can be found here: <https://smartenergycodecompany.co.uk/meeting/tabasc-meeting-56/>.

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3.5 Ofgem advised that it has been discussing the required changes to the Connection and Use of System Code (CUSC) with National Grid Electricity System Operator (ESO) and Elexon. The legal text for the Targeted Charging Review (TCR) Significant Code Review (SCR) will be delivered in October 2020. Ofgem, Elexon and the ESO are looking at what changes may be needed to the data that the ESO receives from Elexon for transmission charging purposes. The intention is to bring an approach for the CUSC changes to the November CCDG meeting for agreement.

3.6 Elexon noted that the final Master Registration Agreement (MRA) and Distribution Connection and Use of System Agreement (DCUSA) Code Change Matrices will also be brought to the November CCDG for agreement.

4. Agree GSP Group Correction solution write-up (Working Document B)

4.1 Elexon noted that it has taken the comments previously made and adjusted the final paragraph on the Group Correction Transition Approach in v0.8 to reflect these. The final transition approach is therefore to update the Scaling Weights for both old and new Consumption Component Classes (CCCs) when the new CCCs are deployed, in order to incentivise the migration of Metering Systems to the TOM.

4.2 There were no further comments from members and the Chairman confirmed that the content of Working Document B will therefore now be incorporated into the draft consultation document.

5. Agree Settlement run-off solution write up (Working Document C)

5.1 Elexon [presented](#) a:

- Recap of the CCDG's previous discussions and agreed straw man proposal in this area
- Reminder of the terminology relating to the run-off proposal
- Overview of assumptions used
- Reminder of the interactions with support for existing Non Half Hourly (NHH) agent software
- Overview of the run-off critical path, noting that this is a conceptual diagram to show the sequencing and that the specific dates shown are only indicative
- List of further considerations relating to run-off

5.2 Elexon noted that it had received comments from a CCDG member before the meeting on the draft Working Document C and had attempted to address these in its presentation.

5.3 Elexon noted that run-off could be extremely long but the approach itself should not be too prescriptive about what should happen. Market run-off should be left to the discretion of market participants depending on the software support. Pre-migration arrangements should also be discussed in the document but will not directly impact run-off, other than to change the timing of when a segment moves to the TOM. For the Half Hourly (HH) market, the event that signifies the end of migration and start of runoff will be the de-appointment of the HH Data Aggregator (DA). Any specific pre-migration or migration activities will be developed further in discussions with Ofgem.

5.4 Elexon advised that Oracle 19c will give extended support for the centrally-provided NHH agent software until 2027, noting that the dates shown in the diagram on slide 17 need adjusting to reflect this.

5.5 A CCDG member asked whether there will be a risk to Settlement accuracy if large numbers of sites are settling on estimates at the migration date. Elexon responded that, once cut-over to the TOM has occurred, it is hard to undo closing reads and that there is a desire not to continually open up the Settlement data. Ideally, NHH Settlement data will not be changed after receiving the closing read and creating the Annualised Advance. Once Settlement Period-level data starts being gathered under the TOM, any inaccuracy should correct itself (albeit in the wrong Settlement Periods). A CCDG member suggested that participants could be encouraged to migrate NHH Meters after obtaining the latest read. Another CCDG member suggested that there should be some best-practice guidance. However, they agreed that, as the closing read will also be an opening read, all energy will eventually be accounted for. They considered that the biggest issue will be negative reads. Elexon noted that Smart Meters will be migrated first to get data for the Load Shaping Service.

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- 5.6 The CCDG also reiterated its view that ideally there should be a 'one-way gate' after which Meters cannot move back to the old arrangements. It asked that the consultation clarifies that migration cannot complete until this one-way gate has occurred and that, before this point, reverse migrations may be possible. For the purposes of run-off, migration cannot be considered to have completed for a Meter Point Administration Number (MPAN) or participant until there is certainty that reverse migrations are not possible. The likelihood of reverse migrations can also be reduced if migration does not start until a sufficient number of new TOM services are operating in all segments. Elexon commented that the CCDG may need to define the reverse migration process.
- 5.7 Elexon summarised that the consultation will highlight:
- That NHH Settlement data will be 'frozen' for a NHH Meter once it has migrated to the TOM
 - The possibility of truncating run-off once data for all NHH Meters has been frozen
 - That there will be extended NHH software support for the period of migration and run-off
 - The approach to managing run-off within the book-end dates
- 5.8 Elexon also suggested adding detail on the closing down of the profiling arrangements and on Industry Standing Data. It noted that there is still more work to do on migration outside of run-off, which is being considered as a potential separate CCDG deliverable (see agenda item 2 above).
- 5.9 Elexon and CCDG members agreed to collaboratively update Working Document C in MS Teams to reflect the CCDG09 discussions and any other comments.

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- 5.10 Elexon noted that it will then incorporate the content of Working Document C into the draft consultation document.

6. Agree final appointments process diagram (for inclusion in Working Document A)

- 6.1 Elexon advised that it has addressed all comments under Action 08/05 and that the diagram will now be incorporated within Working Document A and then the consultation document.
- 6.2 The CCDG noted that it still needs to review the write-up of the appointments process in Working Document A that will accompany the diagram. The Chairman noted that this is being progressed under existing Action 04/16.

7. Updates on outstanding areas of Working Document A

Change of Meter/Segment

- 7.1 Elexon [presented](#) the solution that it has developed further with a subset of CCDG members since CCDG08 (Action 08/11).
- 7.2 The CCDG noted the proposed introduction of a new Change of Segment Indicator (COSI) data item, which will be used to indicate a forthcoming change of market segment in the Supplier Meter Registration Service (SMRS). This will enable SMRS to accept an appointment of a service for the forthcoming segment, where that service would otherwise fail validation against the existing segment.
- 7.3 The CCDG agreed that Current Transformer (CT) connections must be in the Advanced Segment and that a Smart Data Service (SDS) is not required. On the Whole Current (WC) side, the CCDG agreed that the segment will be defined by the Meter Type.
- 7.4 The CCDG discussed whether new connections will have smart Metering by default. They considered that this may be true for new builds, but that new connections can be added to existing buildings with Advanced metering. It agreed that new connections therefore need to be considered on a case-by-case basis, with a function to swap between segments. Elexon asked if a Metering Service (Advanced) (MSA) could be appointed, as they could service the Advanced or Smart segments. CCDG members clarified that a MSA cannot necessarily install a smart Meter, although they can decommission one.

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- 7.5 The CCDG considered whether CT Meters are likely to be settled on Register Reads. It noted that there can be CT domestic customers, who may have the right to opt out of sharing their HH Meter data for Settlement purposes (depending on the intention of Ofgem's policy decision in this area). The CCDG noted the need to consider this further.
- 7.6 The CCDG agreed that it is happy with the diagram on slide 24.
- 7.7 Elexon asked whether, when the COSI data item is unpopulated, this should trigger a refresher appointment flow. A CCDG member commented that it should. Elexon noted that the new data items will need to be added to registration data, including the Effective from Dates (EfD).
- 7.8 Elexon also asked how provisional appointments would be held within the system. A CCDG member noted that this is a challenge for the registration design but that the CCDG needs to capture its requirements.
- 7.9 A CCDG member asked if the old services need to know about the provisional appointment of the new services. The CCDG noted that, while in most cases they will not, a change of Meter Type, market segment and services for an Import/Export Meter will have an impact on the Export Supplier. The Chairman noted that Elexon has an existing action to discuss with Ofgem what the best governance route is for introducing a link between Import and Export MPANs that do not have the same Meter Serial Number (Action 08/06).
- 7.10 A CCDG member noted that they had already started to write up the approach to Change of Meter/Segment. They agreed to update this write-up in light of the CCDG's discussions and share in MS Teams for comment. Elexon agreed to arrange another call with member volunteers if necessary to discuss this, and then include it in Working Document A for agreement at CCDG10.

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Approach to documenting registration data items

- 7.11 Elexon noted that it will work with the CCDG members on the joint subgroup to produce a draft 'plain English' explanation and associated business rules for each of the new Registration data items (Action 07/02). It will then share this with the whole CCDG for comment ahead of agreeing it at CCDG10. The plan is to include this as an appendix to the consultation document.
- 7.12 A CCDG member commented that the joint subgroup may already be producing some of this output and commented that some registration data items appear to be missing from the list on the [slides](#). Elexon agreed to check this with the subgroup members.

Demand Control Events

- 7.13 Elexon advised that Action 08/12 has been superseded by events, as the [Issue 89](#) group has decided not to recommend any changes to the Demand Control Event (DCE) process under the existing Settlement arrangements.
- 7.14 Elexon noted that it is therefore for the CCDG to decide what DCE process will apply under MHHS. It [presented](#) some different options for consideration.
- 7.15 After discussion of the different options, the CCDG and Elexon agreed that DCEs require an imbalance adjustment but not necessarily a Settlement (volume allocation) adjustment. The imbalance adjustment can therefore be made after the volume allocation process has concluded. Elexon suggested calculating this adjustment on a GSP Group, rather than MPAN, basis by differencing the volumes on the reference day(s) and DCE day(s). It noted that Metered Volumes will be correct for DCE periods under the TOM, unlike the current Settlement arrangements.
- 7.16 Elexon agreed to write up its suggested approach and share in MS Teams for comment in advance of CCDG10.

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8. Initial draft skeleton structure for CCDG consultation document

- 8.1 Elexon [presented](#) its suggested structure for the consultation document on the detailed TOM design and sought comments from CCDG members.
- 8.2 The CCDG agreed that the structure can be simplified into fewer sections, for example:
- Detail on data items (e.g. CCCs, ISD)
 - Detail on processes
 - Detail on transition and run-off
- 8.3 The CCDG noted that sections/appendices for the Code Change Matrices need to be added. Elexon noted that the actual matrices spreadsheets will form a zip file attachment to the consultation.
- 8.4 Ofgem asked that the document clearly signposts where to find information on the treatment of Export, since this is an area in the CCDG's Terms of Reference.
- 8.5 A CCDG member noted that the group has discussed other useful changes that could be progressed under 'business as usual' processes (e.g. those covered by Actions 08/06 and 05/12). They suggested that it would be useful to have a section on these that highlights how and where these could be progressed (e.g. under another Industry Code, the MHHS SCR or another SCR such as the Switching Programme).
- 8.6 The Chairman noted the need to consider the best way for the CCDG to review the document remotely. Elexon agreed to put sections up on MS Teams for review as they are completed. The Chairman suggested using the November meeting to discuss the Executive Summary and the overall key messages by section, rather than do a full page-turning exercise. She also asked CCDG members to start thinking about what consultation questions they might want to include, for discussion at CCDG10 in October. She noted that the questions will help shape the key messages. She also noted the need to keep the number of questions manageable for respondents.
- 8.7 A CCDG member asked about the relative timings of the CCDG and AWG consultations. Elexon confirmed that the AWG cannot consult on its recommended solution architecture until the CCDG has confirmed its final business requirements after its own consultation. The timing of the AWG's consultation has therefore been pushed back to account for this.
- 8.8 Elexon confirmed that it is continuing to discuss impacts on other Industry Codes (e.g. from new data items) with the relevant code bodies. It noted that any requirements from the Access and Forward-looking Charging SCR for new Settlement data items to support distribution charging are not yet known so cannot be included in the consultation.

9. CCDG08 Headline Report and actions log

- 9.1 Elexon noted that it had received no comments on the CCDG08 headlines. Ofgem advised that it would be sending across some very minor comments shortly. Elexon agreed to incorporate these and publish the headlines on the [CCDG08 web page](#).
- 9.2 Elexon noted that it would update the actions log after the meeting for members to review, before publishing this on the main [CCDG web page](#).

10. Summary and next steps

- 10.1 The Chairman confirmed that the next steps are to:
- Update the skeleton structure for the draft consultation document with the CCDG's comments
 - Incorporate the contents of Working Documents B and C into the draft consultation document
 - Continue completing the outstanding areas of Working Document A (including offline working with members where necessary), so that the CCDG can sign off this document at CCDG10
- 10.2 Elexon confirmed that CCDG10 will be held on 20 October 2020, from 09:30-12:30, using MS Teams.

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Any other business

- 10.3 A CCDG member highlighted that, in its [response](#) to Ofgem's Draft Impact Assessment Consultation, the Association of Independent Meter and Data Agents (AIMDA) has proposed an alternative TOM for MHHS. The CCDG noted that Ofgem will consider this as part of the consultation responses but that, unless Ofgem instructs otherwise, the CCDG will continue to progress the Design Working Group's (DWG's) preferred TOM in accordance with its Terms of Reference.