

Quality Delivery

Actively managing our services to ensure that we deliver in a reliable, economic and efficient

Innovation

Enhancing and evolving our services to support industry changes and development of

Customer Centric

Improving the customer experience and developing richer customer relationships.

Simplification & Consolidation

Reducing complexity and

Digital Platform

Creating an agile digital platform to meet the changing energy market.

Please see Appendix A for an explanation of the different phases and reports.

BSC Change Report

Date of Panel meeting **14 October 2021**

Paper number **319/02**

Owner/author **Lawrence Jones**

Purpose of paper **For Decision**

Classification **Public**

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The Change Report is a monthly summary of all Modifications, Change Proposals and Issues that are currently active. It shows the progress of each change in a visual 'progress bar,' as well as containing text updates on what has changed since last month's Change Report. This report covers updates since 1 September up until 1 October 2021.

Summary of Open Changes

For details on the types of changes, the different phases, the types of reports and consultations please see Appendix 1.

Total changes open up until implementation

- Modifications: 14
- Change Proposal: 8
- Issues: 7

New changes since last month

One new Modification and one new Change Proposal have been raised: P424 'Re-insert correct definition of Settlement Error' and CP1548 'Remove constraint requiring BMRS to publish data files in a specific CSV format and structure'.

Workgroups

- Workgroups held since last month's report: P376 – 1 October, P395 – 1 October, Issue 93 – 17 September, Issue 96 – 10 September, Issue 97 – 28 September
- Workgroups coming up: P332 – 20 October, P415 – late October, P419 – 12 October, Issue 93 – 26 November, Issue 95 – late October, Issue 97 – mid November.

Consultations

- P332 (RC) 15 September – 15 October, CP1548 (CPC) 13 September – 8 October

Awaiting decision

- Authority: P416, P424

Decisions since last month

- Approved: P423, CP1547
- Rejected: CP1543

Awaiting Implementation

- **Oct 21:** P423
- **Nov 21:** P399, CP1541, CP1545, CP1547
- **Feb 22:** P402, CP1532
- **Jun 22:** P375, CP1527
- **Feb 23:** P376

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I. Modification Updates – up until decision

P332: Revisions to the Supplier Hub Principle			Update
Date Raised:	28 January 2016	Proposer:	Smartest Energy
Target Implementation Date:	5WDs after Authority decision	Current Status:	Report Phase
Latest Update:	The Assessment Report was presented to the Panel at its meeting on 9 September 2021. The Panel disagreed with the Workgroup's recommendation to reject and initially voted by majority to approve P332. The Report Phase Consultation was issued on 15 September 2021 with responses invited by 5pm on 15 October 2021.		
Next Event:	A Workgroup meeting has been scheduled for 20 October 2021 to consider any consultation responses, which would require the Modification Proposal to be amended (in line with EBGL change process). The Draft Modification Report is due to be presented to the Panel at its meeting on 11 November 2021.		
Issue:	The BSC when originally created was designed to support the Supplier Hub principle and to this end is silent on the practice of 'Customer appointed Agents'. The 'appointment' of Agents by Customers, outside of the Supplier Hub principle, makes managing Agent performance and delivery of obligations within the BSC difficult, resulting in a reduction in a Supplier's ability to manage performance against industry targets and risking non-delivery of specific obligations.		
Current Solution:	P332 proposes to require all existing and new SVA Data Collectors (DCs) to sign a side letter to maintain Qualification status. The letter will require SVA DCs to agree to treat all appointments the same regardless of contract status, such that they meet all relevant BSC requirements.		
History:	<p>For full details visit the P332 webpage.</p> <p>P332 was raised on 28 January 2016. The Initial Written Assessment was presented to the Panel on 11 February 2016 and entered into the Assessment Procedure.</p> <p>The first Workgroup meeting was held on 30 March 2016 and discussed P332 Proposed Modification and the Terms of Reference items.</p> <p>The second Workgroup meeting was held on 15 August 2016 to discuss the responses to the RFI.</p> <p>The BSC Panel approved an eight month extension to the P332 Assessment Procedure at its meeting on 8 September 2016.</p> <p>The third Workgroup meeting was held on 26 April 2017 and discussed 14 alternative solution options.</p> <p>The fourth Workgroup meeting was held on 31 May 2017 and focused on gathering Workgroup views for the interim report.</p> <p>The fifth Workgroup meeting was held on 16 August 2017 to review and consider responses to the data request.</p> <p>The progression of P332 was delayed from September 2017 to consider whether the issues would be addressed in Ofgem's Significant Code Review on Half Hourly Settlement or any other Ofgem initiatives.</p>		

The BSC Panel approved a three month extension to the P332 Assessment Procedure at its meeting on 10 October 2019.

The sixth Workgroup meeting was held on 27 November 2019 to discuss the P332 issue and progress so far.

The seventh Workgroup meeting was held on 6 February 2020 to review case studies provided by Workgroup Members.

The BSC Panel approved a three month extension to the Assessment Procedure at its meeting on 10 September 2020.

The eighth Workgroup meeting was held on 25 September 2020.

The ninth Workgroup meeting was held on 22 October 2020.

The tenth Workgroup meeting was held on 7 December 2020 and agreed to proceed to Assessment Consultation.

The BSC Panel approved a three month extension to the Assessment Procedure at its meeting on 10 December 2020.

The BSC Panel approved a two month extension to the Assessment Procedure at its meeting on 11 March 2021.

The BSC Panel approved a three month extension to the Assessment Procedure at its meeting on 13 May 2021.

The Workgroup met on 25 May 2021 to discuss the change to the P332 solution due to the impact of metering activities moving to the Retail Energy Code (REC) on 1 September 2021. The Workgroup agreed that P332 can be sent for Assessment Consultation, subject to some amendments from Workgroup review.

The Assessment Consultation was issued on 16 July 2021, with responses invited by 5pm on 6 August 2021.

The Workgroup considered responses to the P332 Assessment Consultation at its meeting on 24 August 2021 and provided their final views against the Applicable BSC Objectives and the majority recommendation was that P332 should be rejected as the solution is not better than the current baseline.

P376: Utilising a Baselining Methodology to set Physical Notifications for Settlement of Applicable Balancing Services			Update
Date Raised:	11 December 2018	Proposer:	Enel Trade S.P.A.
Target Implementation Date:	February 2023	Current Status:	Awaiting Implementation
Latest Update:	P376 was approved by the Authority on 6 August 2021 with an Implementation Date of 23 February 2023.		
Next Event:	An Industry Expert Group will be held 1 October 2021 to develop supporting documentation to give effect to this Modification.		
Issue:	<p>Elxon raised Issue 71 'Introduction of a baselining methodology as an alternative to Physical Notifications' on 15 June 2018. This Modification builds on the back of this Issue and formally raises a Modification Proposal relating to the same defect. Modification Proposal P344 'Project TERRE implementation into GB market arrangements' seeks to align the Balancing and Settlement Code (BSC) with the European Balancing Project TERRE (Trans European Replacement Reserves Exchange) requirements. The solution developed by the P344 Workgroup allows customers (or independent aggregators acting on their behalf) to participate in TERRE (and the BM) independently of their electricity Supplier, by registering a 'Secondary BM Unit'.</p> <p>The P344 solution is intended to facilitate participation in the BM and TERRE by a wider range of industry market participants, including customers and independent aggregators. However, in the P344 solution, the existing BM Settlement arrangements remain unchanged.</p>		
Current Solution:	<p>P376 proposes to allow the Virtual Lead Party of the Secondary BM Unit, or Supplier for an Additional BM Unit, to use a baselining methodology to determine the expected energy flows for an MSID Pair in the calculation of Non-Delivery Charges and Delivered Volumes. This will decouple the expected volume used in Settlement from the Physical Notification used by the NETSO for dispatch. This change will allow Balancing Service Providers to be fully recompensed for their actual change from normal usage and the impact this change has on the system, thus enabling greater participation.</p>		
History:	<p>For full details visit the P376 webpage.</p> <p>Raised by Enel Trade S.P.A. on 11 December 2018.</p> <p>IWA – presented 13 December 2018 and submitted into Assessment Procedure.</p> <p>Workgroup 1 held 25 January 2019 with P375 - discussed possible effects on the Boundary Point and links with National Grid ESO would.</p> <p>Workgroup 2 held 18 March 2019 with P375 - designing solution and exploring assurance methods.</p> <p>Workgroup 3 held 3 June 2019 - considered baseline methodologies.</p> <p>Workgroup 4 held the 14 August 2019 - develop the Business Requirements.</p> <p>Request for Information to support analysis on 23 September 2019 with responses due 11 October 2019.</p> <p>Workgroup 5 held 10 December 2019 - review Request for Information and consider updated Business Requirements.</p>		

Workgroup 6 held 14 September - consider the impacts and agree the solution that will be consulted on through the Assessment Procedure Consultation. Short mop up session held 2 October, but the Workgroup was unable to reach consensus to issue its consultation.

Workgroup 7 meeting was held 6 November - finalise solution for consultation.

Workgroup 8 meeting was held 30 November

Assessment Procedure Consultation 12 January – 2 February

Workgroup 9 meeting was held 15 February – consider consultation responses

The Assessment Report was presented to the Panel on 11 March 2021. The Panel progressed P376 to the Report Phase, with an initial recommendation to approve.

The Report Phase Consultation was issued on 25 March 2021 and ran till 25 April 2021.

The Draft modification Report was presented to the Panel on 12 May 2021 where the Panel recommended approval of P376 to the Authority for implementation in February 2023.

P395: Excluding generators from BM Unit Gross Demand and the calculation of EMR Supplier Charges			Update
Date Raised:	7 November 2019	Proposer:	Centrica
Target Implementation Date:	TBC	Current Status:	Assessment Procedure
Latest Update:	<p>Elxon are continuing to draft Legal Text and obtain an accurate Impact Assessment for P395. We are experiencing difficulty establishing the implementation date for P395, due to the high complexity and stacking of BSC Changes, vital upgrades to BSC Systems, plus commitments to MWHHS, which are scheduled for implementation over the next 3-4 years and are making it challenging to prioritise P395 appropriately.</p> <p>P395 will re-use elements from the P375 and P419 solutions, so cannot be implemented before these Modifications. P419 is still under assessment by a Workgroup and is scheduled to be delivered alongside P376 in February 2023.</p> <p>In order to obtain a P395 impact assessment which is robust enough to allow us to set the P395 implementation date and provide accurate costs, we will need the impact assessment for delivering P419 and P376 together in the same release; this is expected by the end of November 2021.</p> <p>We are investigating whether the combined P419/P376 impact assessment can be brought forward and the extent to which we can conduct a rough order of magnitude assessment for P395 in its absence.</p> <p>We therefore require at least a four month extension, but could be up to six months, depending how the P376 and P419 assessment concludes. We do not believe this extension will adversely impact the current steps to assess an implementation date for P395.</p> <p>Elxon held the most recent P395 Workgroup meeting on 1 October, where it provided updates on the impact assessment.</p>		
Extension Request	<p>Due to ongoing conversations needed to establish the P395 release date and conclude impact assessments and alignment with other changes in the pipeline we are requesting a six month extension to provide contingency for further implementation discussions and any amendments to the P395 solution following the</p>		

	Assessment Consultation. This would extend the deadline for the Assessment Report to May 2022, but we would aim to bring this sooner depending on the resolution of previously mentioned challenges.
Next Event:	<p>Elxon is now preparing the Assessment Consultation, which will be issued following the impact assessment, scheduling and legal text of P395. This is expected between February and March 2022.</p> <p>We will draft the P395 legal text and issue it to the Workgroup for review. To mitigate the need for re-drafting, or a future Modification to resolve any legal text conflicts, we will draft the P395 legal text on top of the legal text for P419 and an upcoming Modification to address misalignments between the P375 and P420 legal text, both of which will be implemented before P395.</p>
Issue:	Currently the BM Unit Gross Demand Report attributes to Suppliers electricity they have provided to generators (including storage facilities) operated by Generation Licensees, which falls outside the definition of 'supply' in the Electricity Act 1989.
Current Solution:	P395 proposes to amend BSC systems and processes so that the SAA-I042 'BM Unit Gross Demand Report' only includes electricity 'supplied' to premises by licensed Suppliers, and therefore excludes electricity imported by Generators operated by a licensee for generation activities (i.e. those activities authorised by their generation license to carry on). To facilitate this outcome, P395 proposes that the BSC incorporates the interim solution and extends it to cover complex sites too. This solution would cover sites connected to both the distribution and transmission systems, and where the sites Metering Systems are registered in Supplier Meter Registration Service (SMRS) or Central Meter Registration Service (CMRS). P395 will build on top of capabilities being introduced by P344, P375 and P383.
History:	<p>For full details visit P395 webpage.</p> <p>Raised by Centrica on 7 November 2019.</p> <p>IWA – presented 14 November 2019 and progressed to the Assessment Phase.</p> <p>There was a delay in holding the first P395 Workgroup meeting caused by the urgent request to progress P397</p> <p>Workgroup 1 – held 19 February 2020 and discussed Elxon's interpretation of ToR A) 'Which imports should be chargeable?'. The Workgroup noted that answering the P395 problem satisfactorily will involve consideration of scalability, practicality and cost to ensure that the solution is truly enduring, consistent with regulations and scalable to domestic level.</p> <p>The Panel approved a six month extension to the Assessment Procedure to P395 on 9 April 2020 to allow for further solution development.</p> <p>Due to resource constraints and deprioritisation under the Panel's Covid-19 prioritisation approach, work on the Modification was paused until October 2020.</p> <p>The Panel approved an eight month extension to the Assessment Procedure for P395 on 10 September 2020. Elxon will return with the P395 Assessment Report at the June 2021 Panel meeting.</p> <p>Workgroup 2 – held 4 December 2020 and the Workgroup considered draft Business Requirements.</p>

Workgroup 3 held 25 February 2021, where the group discussed some recommendations by the Low Carbon Contracts Company (LCCC) to expand the solution.

Workgroup 4 held 24 May 2021, where the Workgroup agreed remaining areas needed to impact assess, develop Legal Text and issue the Modification for consultation.

P410: Changing imbalance price calculations to comply with the Imbalance Settlement Harmonisation regulations			Update
Date Raised:	3 July 2020	Proposer:	NGESO
Target Implementation Date:	TBC	Current Status:	Assessment Procedure
Latest update	National Grid ESO (NGESO) has submitted a draft of an updated Imbalance Settlement Harmonisation Proposal (ISHP) submission to Ofgem for provisional feedback which it hopes to receive by 8 October 2021. NGESO will then formally submit its proposal by 15 October 2021 in order that Ofgem can make a determination by or during December 2021.		
Next Event:	The Proposer expects P410 to be withdrawn in due course. Work on P410 is therefore effectively paused whilst NGESO revises its harmonisation methodology for Ofgem to consider.		
Issue:	P410 will introduce changes to the imbalance price calculations to ensure BSC compliance with the European Imbalance Settlement Harmonisation regulations.		
Current Solution:	P410 will replace the Market Index Price in the Imbalance Calculation with a new Value of Avoided Activation of balancing energy as required by the European Regulations.		
History:	<p>For full details visit P410 webpage.</p> <p>NGESO raised P410 on 3 July 2020.</p> <p>The Panel considered the IWA at its meeting on 9 July and agreed to progress P410 to the Assessment Procedure.</p> <p>Workgroup 1 held on 6 August - agreed principles for calculating a Value of Avoided Activation.</p> <p>Workgroup 2 held 9 October - considered updated proposals. The Workgroup expressed concerns that any VOAA that is compliant with the ISHP would be detrimental to BSC Objectives.</p> <p>Workgroup 3 held 17 December – unable to agree suitable solution and requested additional analysis</p> <p>National Grid ESO led an industry consultation on the EBGL Article 52 Imbalance Settlement Harmonisation Amendment proposals related to the progression of P410 concluded on 21 June 2021.</p> <p>NGESO (the Proposer of P410), submitted a revised harmonisation methodology for approval by Ofgem, as required to comply with EBGL. This will allow the continued use of the Market Index Price and remove the defect being addressed by P410. Subject to Ofgem approval, NGESO will withdraw P410.</p>		

The Panel approved a four month extension (until October 2021) to give time for ESO to submit the revised harmonisation methodology and for Ofgem to make a decision.

As NGESO has withdrawn its Imbalance Settlement Harmonisation Proposal (ISHP) submission to Ofgem due to a procedural point regarding timescales, as the Ofgem decision window may have times out whilst some legal text references were aligned, the Panel approved a 5 month extension to the Assessment Report, meaning it shall be delivered to the Panel (if the Mod is not withdrawn), no later than May 2022.

P412: Ensuring non-BM Balancing Services providers pay for non-delivery imbalances at a price that reflects the real-time value of energy			Update
Date Raised:	3 September 2020	Proposer:	NGESO
Target Implementation Date:	TBC	Current Status:	Assessment Procedure
Latest Update:	The fourth Workgroup meeting was held on 7 April 2021. The Proposer is still preparing to consult the Workgroup and industry on the impacts that the solution options may have, to present a cost benefit analysis to Ofgem to determine how P412 should proceed. This process was expected to conclude in November 2021. The BSC Panel approved a six month extension to the Assessment Procedure at its meeting on 8 April 2021 for this analysis to take place. The Proposer's revised timetable is for the cost benefit analysis consultation to be issued in October 2021. Once this has been completed and presented to Ofgem, further Workgroup meetings will be required to consider the development of the solution and next steps.		
Extension Request	Therefore, we request a 9 month extension to the Assessment Procedure, returning to present the Assessment Report at the August 2022 Panel, or earlier if possible. This will allow time for the cost benefit analysis consultation to be issued by National Grid ESO and the responses presented to Ofgem, and then for further Workgroup meetings to be held to consider next steps prior to Assessment Procedure Consultation. National Grid ESO's cost benefit analysis consultation has been delayed due to a change of Proposer and consultation Project Manager.		
Next Event:	The Proposer and Workgroup need to consider next steps, which may include withdrawing the Modification, if a solution can be found outside the BSC, or exploring compliance options with BEIS and Ofgem, which could take at least 3-4 months.		
Issue:	P412 will introduce imbalance charges for non-Balancing Mechanism (BM) Balancing Services providers, where their delivery does not match instructed volumes. This will mean the GB market more effectively meets the requirements of the Clean Energy Package.		
Current Solution:	P412 will introduce adjustments to Supplier's imbalance positions by non-BM Balancing Service Providers' instructed volumes, rather than delivered volumes as currently occurs under the P354 'Use of ABSVD for non-BM Balancing Services at the metered (MPAN) level' solution.		
History:	<p>For full details visit the P412 webpage.</p> <p>P412 was raised on 3 September 2020. The Initial Written Assessment was presented to the BSC Panel on 10 September 2020 and entered into the Assessment Procedure.</p> <p>The first Workgroup meeting was held on 29 October 2020 to discuss the issue, the proposed solution, next steps and the proposed timetable.</p>		

The second Workgroup meeting was held on 27 November 2020 to consider five possible solutions and discuss the pros and cons of each option.

The third Workgroup meeting was held on 22 February 2021 to further consider the legal and technical issues with the five possible solutions.

P415: Facilitating access to wholesale markets for flexibility dispatched by Virtual Lead Parties			Update
Date Raised:	30 September 2020	Proposer:	Enel X UK Ltd
Target Implementation Date:	TBC	Current Status:	Assessment Procedure
Latest Update:	On 3 September 2021, the P415 Workgroup met to review and determine the approach to Supplier Compensation within the Cost Benefit Analysis piece, ahead of presenting this view to the BSC Panel for their consideration. The Panel then considered the CBA Options at its meeting on 9 September and agreed that Elexon submit a competitive tender for a cost-benefit analysis of P415 with Option 4 'Market Modelling – Wholesale Impacts only' to be taken forward, subject to Elexon confirming with Ofgem that this would be adequate and with the additional recommendation that a separate piece of engagement with networks via the ENA be undertaken.		
Next Event:	Elexon are beginning procurement activities for the P415 CBA. Workgroups will continue for the time being to address unresolved areas of the P415 solution such as credit arrangements and reporting requirements.		
Issue:	Consumers of electricity who are able to be flexible about their consumption cannot currently obtain any value from that flexibility from the Wholesale Energy Market, except if they work with their Supplier to do so. This contrasts with Balancing Services, the Balancing Mechanism, and the Capacity Market, all of which allow a customer's flexibility to be offered by an aggregator without the involvement of the Supplier.		
Current Solution:	This Modification seeks to allow Virtual Lead Parties to obtain value from flexibility within the Wholesale Energy Market.		
History:	<p>For full details visit P415 webpage.</p> <p>Raised by Enel X UK Ltd on 30 September 2020.</p> <p>Presented on 8 October 2020, where the Panel agreed to progress P415 to the Assessment Phase.</p> <p>Workgroup 1 – held on 11 December and discussed the principles behind the Modification.</p> <p>Workgroup 2 – held on 9 February and discussed more complex worked examples.</p> <p>Workgroup 3 – held 25 March where the group considered how best to incorporate P376 functionality and considered network charging.</p> <p>Workgroup 4 - held on 27 May 2021 where the Workgroup discussed current network charging arrangements, VLP's role in the market and imbalance settlement.</p> <p>Workgroup 5 -CEPA prepared a CBA options paper on behalf of the Workgroup. The paper can be found on the P415 webpage.</p>		

P416: Introducing a route of appeal for the Annual Budget in line with the proposals for the Retail Energy Code		No Update	
Date Raised:	5 November 2020	Proposer:	British Gas Ltd
Target Implementation Date:	5WD after Ofgem Approval	Current Status:	Awaiting Authority decision
Latest Update:	P416 was presented to the Panel at its meeting on 10 June 2021 where the Panel recommended rejection of the Modification.		
Next Event:	An Authority decision was expected on 1 October 2021. At the time of writing, no decision has been made. An update for the Panel has been requested from Ofgem.		
Issue:	<p>If Parties' concerns over the Balancing and Settlement Code Company (BSCCo) Annual Budget are not being satisfactorily addressed by the BSCCo Board, the mechanism for further contesting them would be by raising a Resolution to the BSCCo Board. If that Resolution does not reach a satisfactory conclusion, the Party could raise further Resolutions to remove Board members.</p> <p>The Proposer contends that these are inefficient and disproportionate processes for Parties to address their concerns with the BSCCo budget.</p>		
Current Solution:	<p>P416 seeks to amend the BSC to include an appeals mechanism to Ofgem that could be used to challenge items in the Annual Budget in line with the appeals mechanism detailed in proposals for the Retail Energy Code (REC).</p> <p>The Proposed Solution contains the following key features:</p> <ul style="list-style-type: none"> Any BSC Party can raise an appeal against an Annual Budget line item within 10 WDs of the BSCCo Board issuing approval of the Annual Budget Provisions to allow the Authority to respond to appeals by referring individual items back to the Board for reconsideration, powers to change costings or remove individual items from the Annual Budget, and powers to dismiss appeals that are trivial or vexatious or has no reasonable prospect of success. Provisions to stop all of part of spend against appealed Annual Budget line items if specified conditions are met. 		
History:	<p>For full details visit the P416 webpage.</p> <p>P416 was raised by British Gas Ltd on 5 November 2020</p> <p>IWA - The BSC Panel considered the Proposed Modification at its meeting on 12 November 2020 and agreed to Progress the Modification to the Assessment Procedure Phase.</p> <p>Workgroup 1 - Held on 14 December 2020 where the Terms of Reference and background to the Modification were considered.</p> <p>Workgroup 2 - Held on 22 December 2020 where the focus was to discuss key terms of reference questions and to further develop the Modification. At this meeting the Workgroup identified additional solution options that would require an additional Workgroup meeting.</p> <p>Workgroup 3 - held on 15 March 2021. Workgroup Members further considered the Proposed Solution, considered whether the Proposed Solution better facilitates the Applicable BSC Objectives over the current baseline and agreed the Assessment Phase Consultation questions</p>		

	<p>The Assessment Procedure Consultation was issued on 7 April 2021 and closed on 22 April 2021.</p> <p>A Workgroup Meeting was held on 27 April 2021 to discuss the consultation responses and finalise the Proposed Solution. The Workgroup recommend P416 is approved.</p> <p>The Assessment Report was presented to the Panel on 13 May 2021 and the Panel sent P416 to the Report Phase with an initial recommendation to reject.</p> <p>The Report Phase consultation for P416 ran between 19 May 2021 and 3 June 2021.</p>
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P419: Enhanced Reporting of Demand Data to the NETSO to facilitate BSUoS Reform		Update	
Date Raised:	6 May 2021	Proposer:	NGESO
Target Implementation Date:	23 February 2023	Current Status:	Assessment Procedure
Latest Update:	<p>The first Workgroup for P419 was held on Friday 23 July. The objective of this meeting was to agree a solution to be sent for impact assessment. This was achieved and the Workgroup will consider the impact assessment at its next meeting, currently scheduled to take place in October. As part of our development of the solution, Elexon identified efficiencies in aligning part of the P419 solution with that of P395. We also worked with our service provider to realise further efficiencies by combining the impact assessment for the entirety of the February 2023 BSC Release (i.e. alongside P376). To accommodate the solution alignment, the second P419 Workgroup was pushed back by two weeks, and another minor delay is associated with the joint impact assessment.</p>		
Extension Request:	<p>Therefore, we request a two month extension to the Assessment Procedure, returning to present the Assessment Report at the January 2021 Panel, or earlier if possible.</p>		
Next Event:	<p>The second P419 Workgroup will take place on 12 October 2021, where we are aiming to agree the solution and subsequently circulate for Assessment Procedure Consultation in early November.</p>		
Issue:	<p>The Second BSUoS Taskforce concluded Final Demand should pay all BSUoS Charges subject to sufficient notice to industry. To take this recommendation forwards, Connection and Use of System (CUSC) Modification CMP308 'Removal of BSUoS Charges from Generation' is being utilised which seeks to amend the BSUoS Charging Base to include Final Demand only. This Modification will allow NETSO the capability to do so.</p>		
Current Solution:	<p>This Modification seeks to ensure that BSC Systems are responsible for managing the declaration of eligible facilities and that National Grid ESO receives Supplier BMU Metered Data that excludes Imports to declared eligible facilities.</p>		
History:	<p>P419 was raised by NGESO on 6 May 2021. The IWA was presented to the Panel at its meeting on 13 May, where it was progressed to the Assessment Procedure.</p>		

P421: Align the BSC with Grid Code Modification GC0144 for TERRE Market Suspension		Update	
Date Raised:	1 July 2021	Proposer:	NGESO
Target Implementation Date:	4 November 2021	Current Status:	Report Phase

Latest Update:	The Panel considered P421 at its meeting on 12 August 2021. The Panel agreed to send this Modification straight to the Report Phase for a one calendar month consultation with an initial recommendation to approve. The Report Phase consultation closed on the 20 th September 2021. No responses were received to the consultation.
Next Event:	The Panel will consider the consultation responses and Draft Modification Report at its meeting on 14 th October 2021.
Issue:	The BSC does not cover the TERRE suspension scenario detailed in paragraph BC4.10(c) of the Grid Code. This paragraph relates to Terre Market suspension as a result of the operators of the TERRE Central Platform [LIBRA] notifying National Electricity Transmission System Operator (NETSO) that the TERRE market has been or is to be suspended. Additionally, provisions in the BSC outlining notification processes in the event of a TERRE Market suspension should be aligned with the Grid Code. Grid Code paragraph BC4.10 was implemented by NGENO on 26 May 2021 as part of their programme to implement the Network Code on Electricity Emergency and Restoration (NCER).
Current Solution:	Align BSC Section Q5A with Grid Code paragraph BC4.10. The solution changes the TERRE Market suspension provisions in BSC paragraph Q5A.1 to expressly provide for the circumstances detailed in BC4.10(c) of the Grid Code. The solution also makes updates to ensure that the notification processes and obligations of the NETSO and BSCCo set out in the BSC and the Grid Code are aligned in respect of the suspension scenarios detailed in Grid Code paragraphs BC4.10 (b) and (c)s.
History:	The Panel considered the Modification at its meeting on the 8 July 2021. The Panel deferred its decision on P421 so that additional information on whether the BSC is legally required to comply/align with the Grid Code change (GC0144) and what the risks and implications are if P421 is not progressed could be provided. The Panel had concerns as to whether this Modification was needed, given GB is no longer participating in TERRE, following Brexit.

P422: Reflecting NCER Rules in the BSC			Update
Date Raised:	8 July 2021	Proposer:	BSC Panel
Implementation Date:	6 September 2021	Current Status:	Implemented
Latest Update:	P422 was implemented on 6 September 2021 under Self-Governance.		
Issue:	The existing BSC provisions that form NCER Rules as approved, now also constitute EBGL Article 18 terms and conditions. Therefore, BSC Modifications affecting NCER Rules will be subject to an EBGL compliant change process. To clearly inform Market Participants which change process should be used when developing Modifications, the BSC requires amendments to ensure NCER and EBGL rules, terms and conditions are accurately reflected.		
Current Solution:	This Modification will update Section F 'Modification Procedures' Annex F-2 to reflect the incorporation of BSC provisions constituting the approved network code on electricity emergency and restoration (NCER) Rules into the BSC mapping of the Article 18 terms and conditions. The NCER sets out requirements for the management of transmission systems in case of emergency or blackout, as well as other different system critical states. BSC Section F and Section X Annex X-1 'General Glossary' will also be updated to reflect these changes and include a new definition of the NCER.		
History:	<p>The Panel agreed to send this Modification straight to the Report Phase, with an initial recommendation to approve. The Report Phase Consultation was issued for a 10 Working Day consultation with responses invited by Wednesday 28 July 2021. No consultation responses were received.</p> <p>The Panel considered the Draft Modification Report at its meeting on 12 August 2021 and agreed to approve under Self-Governance. The Self-Governance objection window closed on 3 September 2021</p>		

P423: Market-wide Half Hourly Settlement (MHHS)			Update
Implementation and Governance Arrangements			
Date Raised:	16 August 2021	Proposer:	Ofgem
Target Implementation Date:	5WD following Authority decision	Current Status:	Report Phase
Latest Update:	Ofgem approved P423 on 30 September 2021 for implementation on 7 October 2021. Responses to the Authority Led SCR Modification Consultation were considered by the Panel at its ad-hoc meeting on 16 September. The Panel unanimously recommended approval of the Modification and submitted the Final Authority Led SCR Modification Report to Ofgem for decision on 20 September 2021.		
Next Event:	P423 will be implemented on 7 October 2021.		
Issue:	MHHS Implementation Manager and MHHS participants require detailed obligations to develop and deliver the changes required to implement MHHS		
Current Solution:	This Modification is to ensure the BSC reflects implementation and governance arrangements that will allow Elexon to effectively manage and oversee the MHHS programme and require Elexon to undertake that programme management in a transparent, consultative and unbiased way. It will also require MHHS programme parties to develop and deliver the changes to their systems and business processes to ensure timely and cost effective implementation and to cooperate with the programme governance and processes, including testing, qualification and migration.		
History	As an Authority Led SCR Modification, P423 is not following the standard Modification process. The Panel considered Ofgem's timetable and Elexon's assessment of the impacts at its ad-hoc meeting on 19 August, and unanimously agreed to circulate the Authority Led SCR Modification Consultation for 10WD, with responses invited by 8 September 2021.		

P424: Re-insert correct definition of Settlement Error		New	
Date Raised:	16 September 2021	Proposer:	BSC Panel
Target Implementation Date:	1WD following Authority decision	Current Status:	With Authority
Latest Update:	The Panel unanimously recommended approval of the Modification at its ad-hoc meeting on 30 September and submitted the Final Modification Report to Ofgem for decision on 1 October 2021.		
Next Event:	If approved by Ofgem, P424 will be implemented 1WD after receipt of the decision.		
Issue:	<p>P420 'Retail Code Consolidation Significant Code Review' made changes to BSC Section W 'Trading Disputes' including removing text in Clause 1.3.1 that following subsequent legal review needs to be re-inserted to ensure no commercial impact on any raised Trading Disputes to Elexon and other BSC Parties.</p> <p>However, the deleted text, means that Parties will be unable to raise Trading Disputes that arise from data and/or processes used for the purposes of Settlement.</p>		
Current Solution:	P424 seeks to update Section W clause 1.3.1 to re-insert wording to include 'the data and/or processes used for the purposes of Settlement', which was incorrectly and inadvertently removed by P420 'Retail Code Consolidation Significant Code Review'.		
History:	<p>The P424 Modification Proposal Form was presented to the BSC Panel at it's ad-hoc meeting on 16 September 2021. The BSC Panel unanimously agreed with all recommendations which included:</p> <ul style="list-style-type: none"> • BSC Panel raised the Modification • Recommended to the Authority the Modification is treated as Urgent • The Modification progresses directly to Report Phase <p>These recommendations were made in order to correct the manifest error within Section W in the shortest possible timescale.</p> <p>Ofgem confirmed in it's letter to the BSC Panel dated 17 September 2021 that P424 has been granted Urgent Modification status.</p>		

II. Change Proposal Updates – up until Decision

CP1543: Use of DTC dataflow D0051 in the Half Hourly sector for Data Collectors to confirm the Data Retrieval method to Suppliers		Update	
Date Raised:	6 April 2021	Proposer:	Centrica
Target Implementation Date:	24 February 2022	Current Status:	Rejected
Latest Update:	<p>The SVG rejected CP1543 at its meeting on 7 September 2021. Respondents indicated they still did not feel the updated solution was suitable and the desired outcome can be achieved through other existing routes. Following these responses the Proposer agreed with Elexon's view the CP has not had the anticipated impact with Industry and should be rejected.</p>		
Next Event:	CP1543 has been rejected and is now closed.		
Issue:	<p>There is currently no prescribed mechanism for HHDCs to inform a Supplier, via a dataflow, how they retrieve consumption data. This process currently relies on bilateral discussions between Half Hourly Data Collectors (HHDCs) and Suppliers rather than a consistent Industry-wide process.</p> <p>Without receipt of a D0051 (Affirmation of Half Hour Data Retrieval Method and Associated Details), Suppliers are reliant on informal methods of communication to understand if a Meter can be dialed remotely or not. Although not prescribed in BSCP502 (Half Hourly Data Collection for SVA Metering Systems Registered in SMRS) some HHDCs will send a D0051 as part of the appointment process currently, but it is not an existing requirement for all to do this. This can result in Suppliers having different processes if they appoint multiple HHDCs, increasing the manual effort required to manage their portfolio.</p>		
Current Solution:	CP1543 proposes to update BSCP502 to require HHDCs to send a D0051 in response to a D0268 (Half Hourly Meter Technical Details).		
History:	<p>For full details visit the CP1543 webpage.</p> <p>CP1543 was raised by Centrica on 6 April 2021.</p> <p>The CP Progression Paper was presented to SVG on 6 April 2021 with the committee unanimously agreeing to progress to the Consultation phase.</p> <p>CP1543 was submitted for Industry consultation on 12 April 2021 with consultation responses invited by 10 May 2021. Half of consultation responses indicated respondents felt the solution could be improved by reordering the redlining to send a D0051 on receipt of a D0268 as opposed to D0155.</p> <p>CP1543 was presented to the SVG at its meeting on 6 July 2021. Following discussions with the Proposer on the back of the original Industry Consultation period the solution has been updated to send a D0051 on receipt of a D0268 (HH MTDs) as opposed to D0155 (Appointment). We have also amended the implementation date to 24 February 2022 as part of the February 2022 BSC Release.</p> <p>CP1543 was issued for a second Industry Consultation on Monday 12 July 2021 with responses invited by Friday 6 August 2021.</p>		

The second Industry Consultation closed on Friday 6 August 2021. Following review of consultation responses and discussions with the Proposer we are recommending CP1543 for rejection at the next SVG meeting as respondents are not in agreement with the solution.

CP1544: BSCCo Approved EFR Representative sign-off required for any EFR plan following escalation			Update
Date Raised:	2 June 2021	Proposer:	Elxon
Target Implementation Date:	4 November 2021	Current Status:	Consultation
Latest Update:	.The second CP1544 industry consultation ended on 6 September 2021 with 4 responses which were all in support of the revised solution.		
Next Event:	Elxon will present the Assessment Report for decision to the PAB on 30 September 2021 and the ISG and SVG on 5 October.		
Issue:	<p>Error and Failure Resolution is not applied in the case of immaterial non-compliances. Therefore any error or failure which has justified the application of EFR is by its nature introducing material error into Settlement. Further, the majority of such issues present risk or on-going impact to other market participants and consumers.</p> <p>One of the issues identified by the PAF review was that EFR plans are often not resolved in a timely manner, the PAF review project noted that the majority of EFR plans take over a year to be resolved. Industry and committee feedback supported a view that this was at least in part due to operational teams not being able to secure the resource necessary to resolve non-compliances and implement enduring controls and mitigations.</p>		
Current Solution:	<p>Following PAB escalation, and prior to the revised plan being approved by the BSCCo, the revised EFR plan must be signed off by a BSCCo Approved EFR Representative. For the purposes of BSCP538, a 'BSCCo Approved EFR Representative' means a representative identified by the escalated PAP who is:</p> <ul style="list-style-type: none"> • a company director or partner of the PAP, or an employee of management seniority with sufficient authority to be able to ensure delivery of the EFR plan, and • approved by the BSCCo. <p>This solution would require clear consequences for non-compliance. Therefore a requirement to comply would need to be enshrined within the code. This change should increase focus on issues in EFR at a corporate level. This should result in more resource within PAPs being devoted to EFR issues which would therefore be resolved more quickly.</p>		
History:	<p>For full details visit the CP1544 webpage.</p> <p>CP1544 was raised by Elxon on 6 April 2021.</p> <p>The CP Progression Paper was presented to PAB on 27 May 2021 and ISG and SVG on 1 June 2021 with the committees unanimously agreeing to progress to the Consultation phase.</p> <p>CP1544 was submitted for Industry consultation on 7 June 2021 with consultation responses invited by 2 July 2021. The CP received three responses with two in disagreement and one neither positive nor negative.</p>		

Elxon presented the Assessment Report to the PAB on 29 July 2021 and the ISG and SVG on 3 August. Following industry engagement, we revised the solution. However following discussion at the July 2021 PAB meeting we agreed to consult on a further alternative solution.

CP1546: Introducing Data Transfer Catalogue (DTC) flows to transfer UMS Summary Inventories and Control files			No Update
Date Raised:	8 July 2021	Proposer:	Elxon
Target Implementation Date:	30 June 2022	Current Status:	Consultation
Latest Update:	The CP1546 Industry consultation period closed on 6 August 2021. A majority of respondents requested a change in Implementation date to 30 June 2022.		
Next Event:	Elxon will present the CP1546 Assessment Report for decision to the SVG at its meeting on 5 October 2021 due to the large volume of comments received on the solution and redlining we require some extra time to ensure this has been thoroughly analysed and updated where required. A majority of respondents requested a change in Implementation date to June 2022 which has helped to facilitate the extra time required to ensure this is achieved.		
Issue:	Unmetered Supplies Operators (UMSO) are currently unable to use automated processes to send Unmetered Supplies (UMS) inventory data to Meter Administrators (MA). With the implementation of Market-wide Half Hourly Settlement (MHHS) the volume of files to be transferred will increase significantly, this CP intends to align the HH process with NHH.		
Current Solution:	CP1546 intends to introduce two new mandatory dataflows to be sent over the Data Transfer Service (DTS). The two dataflows would be a combined Summary Inventory and Central Management System (CMS) Control File, sent from the UMSO to MA, and a UMS Response which would be sent from the MA to the UMSO to confirm successful processing or rejection.		
History:	<p>For full details visit the CP1546 webpage.</p> <p>CP1546 was raised by Elxon on 8 July 2021.</p> <p>The CP Progression Paper was presented to SVG on 6 July 2021.</p> <p>CP1546 was submitted for Industry consultation on 12 July 2021 with consultation responses invited by 6 August 2021.</p>		

CP1547: Clarification on the Site Specific Line Loss Factor Calculation Process for Embedded Licensed Distribution System Operators			Update
Date Raised:	8 July 2021	Proposer:	Elxon
Target Implementation Date:	4 November 2021	Current Status:	Consultation
Latest Update:	The Assessment Report was presented to the ISG and SVG committees on 7 September and approved unanimously for implementation in November 2021.		
Next Event:	CP1547 will be implemented on 4 November 2021 as part of the scheduled November 2021 release.		
Issue:	Usually Embedded Licensed Distribution System Operators (LDSOs) would Mirror the Line Loss Factors (LLFs) of the Host LDSO. However, as Embedded LDSOs are		

	beginning to calculate Site Specific LLFs, Elexon has been made aware of some confusion over the process and timelines for these calculations. This confusion indicates that additional clarity is required for Embedded LDSOs moving from generic LLFs to Site Specific LLFs. A lack of clarity surrounding the requirements and timelines for Embedded LDSOs can pose a risk to the accuracy of Settlement.
Current Solution:	This CP proposes to make changes to BSCP128 to provide more clarity for Embedded LDSOs calculating site specific LLFs. This includes clarification that standard submission deadlines for all LDSOs will apply to Embedded LDSOs that choose to calculate Site Specific LLFs, and that Settlement data from a 12-month period is required.
History:	<p>For full details visit the CP1547 webpage.</p> <p>CP1547 was raised by Elexon on 8 July 2021.</p> <p>The CP Progression Paper was presented to ISG and SVG on 6 July 2021 with the committees unanimously agreeing to progress to the Consultation phase.</p> <p>CP1547 was submitted for Industry consultation on 12 July 2021 and closed on 6 August 2021 with three responses in support of the change.</p>

CP1548: 'Remove constraint requiring BMRS to publish data files in a specific CSV format and structure'			Update
Date Raised:	8 July 2021	Proposer:	Elexon
Target Implementation Date:	24 February 2022	Current Status:	Consultation
Latest Update:	CP1548 was raised by Elexon on 7 September 2021. The CP1548 Progression Paper was presented to the ISG at their meeting on 7 September 2021 who agreed to progress the CP to the Consultation phase. CP1548 was issued for Industry Consultation on Monday 13 September 2021 with responses invited by Friday 8 October 2021.		
Next Event:	The consultation for CP1548 will close on Friday 8 October 2021. Elexon will then consider any comments or feedback before presenting the Assessment Report to the ISG at their meeting on 2 November 2021.		
Issue:	Section 4.13 of the New Electricity Trading Arrangements IDD Part 1 Document contains the structure for the data download provided to Balancing Mechanism Reporting Service (BMRS) website users in comma-separated values (CSV) format. The Extensible Markup Language (XML) downloads for the BMRS website are not contained in the IDD. The NETA IDD Document is a Category 1 BSC Configuration Item, which is governed by the BSC Change Process, meaning that simple changes to requirements for data formats require a Change Proposal to support. As the CSV downloads follow the same structure as the BMRS APIs, it is more suitable to set out the requirements for BMRS publication data formats in the BMRS API and Data Push User Guide.		
Current Solution:	This CP would remove the specification of particular download formats in NETA IDD Part 1 Document paragraph 4.13. Instead, agreed publication formats will be housed and maintained in the BMRS API and Data Push User Guide, which is a BSC Guidance Note. For avoidance of doubt, the CSV downloads are not being removed from the BMRS and this CP does not propose to change the requirements it is removing from the NETA IDD Part 1 Document.		
History:	For full details visit the CP1548 webpage .		

III. Issue Updates

Issue 91: Registration and Settlement of Smart Export Guarantee (SEG) sites			No Update
Date Raised:	5 November 2020	Proposer:	EDF
Latest Update:	The third Issue Group meeting was held on 2 July 2021, to review relevant processes in BSCP504 'Non Half Hourly Data Collection for SVA Metering Systems Registered in SMRS' and the Workgroup decided that no changes were required.		
Next Event:	The Issue Report will be drafted and tabled at the November 2021 Panel meeting, once it has been reviewed by the Issue Group.		
Issue:	<p>The Smart Export Guarantee (SEG) is an obligation set by the government for licensed electricity Suppliers to offer a tariff and make payment to small-scale low-carbon generators for exported electricity. The SEG came into force on 1 January 2020 and has introduced the need to register and settle export MPANs (Meter Point Administration Number), in accordance with the Balancing and Settlement Code (BSC) arrangements, for generators with capacity up to 5MW. For these smaller scale exports sites there is no established market and therefore the arrangements for Non Half Hourly (NHH) sites introduced by BSC Modification P081 'Removal of the Requirement for Half Hourly Metering on Third Party Generators at Domestic Premises' have not been fully tested.</p> <p>These arrangements are described in BSC Procedure (BSCP) 504 'Non Half Hourly Data Collection for SVA Metering Systems Registered in SMRS' and BSCP514 'SVA Meter Operations for Metering Systems Registered in SMRS'. There are a number of scenarios arising which question whether these existing processes established for the import market are fit for purpose for the export market and for the use of shared smart Meters.</p>		

Issue 92: Reserve Scarcity Pricing Review			Update
Date Raised:	11 December 2020	Proposer:	NGESO
Latest Update:	Following confirmation from NGESO via a cost benefit analysis that they do not anticipate recommending any changes on the back of Issue 92, WG members were invited to provide any comments on the analysis but no responses were received.		
Next Event:	Elexon will present the Issue Report at the BSC Panel on 11 November 2021.		
Issue:	Reserve Scarcity Pricing was introduced in 2015 via P305 'Electricity Balancing Significant Code Review Developments'. Since then, the way the British electricity system is balanced has changed significantly. Over the past 5 years the volume of renewables on the system has increased dramatically as has new and planned interconnection with Europe. We think that due to the changing system conditions the Reserve Scarcity Price (RSP) mechanism requires review. This should consider the issues RSP intended to solve, how they have evolved and if/what scarcity mechanism is required to incentivize market participants to support the system in tight margin situations.		

Issue 93: Review of the BSC metering Codes of Practice			Update
Date Raised:	15 January 2021	Proposer:	Association of Meter Operators
Latest Update:	The fourth Issue 93 Workgroup meeting was held on 17 September 2021. The main objectives of the meeting were to provide updates on redlining, ongoing Change Proposals, and to confirm the next set of aspects to prioritise. One out of the three open Change Proposals from this Issue will be presented at the October Committee meeting, with the remaining two aimed for the November Committee meeting.		
Next Event:	The next Issue group will be held on 26 November.		
Issue:	<p>Issue 93 will review the BSC metering Codes of Practice (CoPs), which have not been reviewed in totality before. Meter Operators from the Association of Meter Operators (AMO) believe they would benefit from improvement and/or clarification on a number of aspects to be identified and confirmed by this Issue.</p> <p>To optimise the activity of the Issue Group, a series of known aspects impacting the metering CoPs are combined in this single Issue (e.g. the use of Half-Hourly and Non-Half hourly as the market arrangements transition to Market-wide Half Hourly Settlement). A full list of these identified issues and considerations can be found on the proposal form, though this is not exhaustive as some issues may be consolidated, or new issues added, as part of the Issue Group process.</p>		

Issue 94: Assessing barriers to entry to the Balancing Mechanism for sub 1MW providers and decimal bids			Update
Date Raised:	6 April 2021	Proposer:	National Grid ESO
Latest Update:	The second Issue Group meeting was held on 5 August 2021, to further consider the existing barriers to entry. The Workgroup decided that no immediate BSC changes are required but that there could be future consequential changes as a result of cross code changes.		
Next Event:	The Issue Report will be drafted and tabled at the November 2021 Panel meeting, once it has been reviewed by the Issue Group.		
Issue:	National Grid Electricity System Operator (NGESO) conducted an impact assessment to understand the barriers to entry to joining the Balancing Mechanism (BM) for sub 1MW participants and users with decimal bids across a range of internal areas including Industry Codes, control room, IT and Settlement. The assessment concluded that further participation by small scale flexibility providers will help to enable zero carbon system operation. Further, the 1MW threshold and GSP level constraint has been noted by Market Participants as a blocker to participation.		

Issue 95: Assessing the continued use of TIBCO service as a source of data for market participants			Update
Date Raised:	17 June 2021	Proposer:	Elxon
Latest Update:	Elxon have been continuing to engage with prospective members of Issue 95, which was raised by Elxon on 17 June 2021 but struggled to attract a large enough membership to proceed. We are now in a position where it looks feasible to arrange the first meeting, although concerns about the low member count mean there is little contingency if some members are unavailable over this period.		
Next Event:	Elxon are continuing to promote Issue 95, and seeking the availability of existing members for the first meeting in late October.		
Issue:	This Issue Group seeks to establish the future of the TIBCO messaging service with the migration of BMRS as part of Elxon's transformation programme. Elxon is building a new Solution for BMRS and need to understand views from BSC Parties to improve value with regards to data publications. Elxon believe it is now important to re-examine the requirements of BSC Parties and BMRS users in relation to the longevity and current implementation of the BSC obligations with respect to TIBCO.		

Issue 96: Assessing the reporting to EMRS of chargeable volumes for SVA Metering Systems that record both exempt and licensed supply			Update
Date Raised:	6 August 2021	Proposer:	Euston Energy
Latest Update:	The first Issue 96 Workgroup meeting was held on Friday 10 September. Four potential solutions were discussed, with two shortlisted for further discussion at the next Workgroup meeting.		
Next Event:	Elxon are to generate strawman proposals for the two shortlisted options through discussion with HHDCs. Once the proposals have been prepared, a second Workgroup meeting will be organized.		
Issue:	The Balancing and Settlement Code Company (BSCCo) is required to provide to the Electricity Market Reform Settlement company (EMRS) the BSC Metered Volumes it requires to accurately calculate Capacity Market (CM) and Contracts for Difference (CFD) charges. This Issue seeks to explore enduring solutions which allow correct reporting to EMRS of chargeable volumes for Supplier Volume Allocation (SVA) Metering Systems that record both exempt supply and licensed supply. There is currently no process that allows for allocation of appropriate volumes where a portion should be exempt and another portion should be licensable.		

Issue 97: Impact of CT Meter stock shortage on the BSC due to global shortage of semiconductors following COVID-19			Update
Date Raised:	20 August 2021	Proposer:	Elxon
Latest Update:	The first Issue group was held on Tuesday 28 September to fully scope out the Issue and present initially proposed mitigations.		
Next Event:	Elxon are looking to gather further data following the first Issue group and will look to hold the next workgroup in mid-late November.		
Issue:	There is a global shortage of semi-conductors among other crucial components, which impacts the ability of Meter manufacturers to produce Meters, including those required for Settlement under the BSC. The potential for a shortage of Settlement Meters could impact a number of BSC processes. Our understanding is that this issue may also impact the availability of Current Transformer (CT) Metering, which has the highest potential for material impact. However, we don't believe that shortages are impacting on Central Volume Allocation (CVA) Metering, but will continue to monitor this.		

IV. Progression of Modifications – up until implementation

Key	<u>Initial Written Assessment:</u>	<u>Assessment Procedure:</u> AR: Assessment Report APC: Assessment Procedure Consultation	<u>Report Phase:</u> RC: Report Phase Consultation DMR: Draft Modification Report FMR: Final Modification Report	<u>WA:</u> With Authority Awaiting Decision	<u>AI:</u> Awaiting Implementation	<u>I:</u> Implementation	<u>D:</u> Delayed due to COVID-19	<u>CBA:</u> Cost/Benefit Analysis
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Mod	Title	Proposer	Date Raised	Urgent		Aug	Sep	Oct	Nov	Dec	Jan	Feb
P332	Revisions to the Supplier Hub Principle	Smartest Energy	28 Jan 2016	No		APC	AR	RC	DMR/FMR			
P375	Settlement of Secondary BM Units using metering behind the site Boundary Point	Flexitricity	10 Dec 2018	No								
P376	Utilising a Baseline Methodology to set Physical Notifications for Settlement of Applicable Balancing Services	Enel Trade S.P.A.	11 Dec 2018	No		WA	AI					

Mod	Title	Proposer	Date Raised	Urgent		Aug	Sep	Oct	Nov	Dec	Jan	Feb
P395	Excluding generators from calculation of EMR Supplier Charges	Centrica	7 Nov 2019	No					AR	RPC		
P399	Making the identity of Balancing Service providers visible in the Balancing Services Adjustment Data	Sutton Bridge Power Station	24 Dec 2019	No					I			
P402	Enabling reform of residual network charging as directed by the Targeted Charging Review	National Grid ESO	5 Mar 2020.	No								I
P410	Changing imbalance price calculations to comply with the Imbalance Settlement Harmonisation regulations	National Grid ESO	3 July 2020	No								
P412	Ensuring non-BM Balancing Services providers pay for non-delivery imbalances at a price that reflects the real-time value of energy	National Grid ESO	3 September 2020	No								

Mod	Title	Proposer	Date Raised	Urgent		Aug	Sep	Oct	Nov	Dec	Jan	Feb
P415	Facilitating access to wholesale markets for flexibility dispatched by Virtual Lead Parties	Enel X	30 September 2020	No								
P416	Introducing a route of appeal for the Annual Budget in line with the proposals for the Retail	British Gas	5 November 2020	No								
P419	Enhanced Reporting of demand data to NETSO to facilitate BSUoS Reform	NGESO	6 May 2021	No					AR	RPC	DMR	
P420	Retail Code Consolidation Significant Code Review	Ofgem	10 May 2021	No		AI	I					
P421	Align the BSC with Grid Code Modification GC0144 for TERRE Market Suspension	NGESO	1 July 2021	No		IWA/ RPC	RPC	DMR	WA/I			
P422	Reflecting NCER Rules in the BSC	BSC Panel	8 July 2021	No		DMR	I					
P423	Market-wide Half Hourly Settlement (MHHS) Implementation and Governance Arrangements	Ofgem	14 August 2021	No		IWA/RP C	RPC/D MR/I					

Mod	Title	Proposer	Date Raised	Urgent		Aug	Sep	Oct	Nov	Dec	Jan	Feb
P424	Re-insert correct definition of Settlement Error	BSC Panel	16 Sept 2021	Yes			RPC/D MR/FM R/I					

V. Progression of Change Proposals – up until implementation

Key	Assessment Procedure: PP: Progression Paper	CPC: Change Proposal Circular Consultation	Committee Decision: AR: Assessment Report FR: Final CP Report	AI: Awaiting Implementation	I: Implementation
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CP	Title	Proposer	Date Raised		Aug	Sep	Oct	Nov	Dec	Jan	Feb
CP1527	Increase the minimum data storage capacity for Settlement Outstations and mandate specific selectable integration periods for Metering Codes of Practice	Elxon	27 January 2020								
CP1532	Reduce Half Hourly Change of Supplier timelines to meet the Initial Settlement Run	Elxon	8 July 2020								I
CP1541	Use of DTC data flow D0004 in Half Hourly Sector to inform Suppliers that a manual download to obtain data was not successful	Centrica	22 February 2021					I			
CP1543	Use of DTC dataflow D0051 in the Half Hourly sector for Data Collectors to confirm the Data Retrieval method to Suppliers	Centrica	6 April 2021		CPC	AR					

CP	Title	Proposer	Date Raised		Aug	Sep	Oct	Nov	Dec	Jan	Feb
CP1544	Category A BSC Signatory or Company Director sign-off required for any EFR plan	Elexon	2 June 2021		AR/CPC	CPC	AR	I			
CP1545	Introducing Technical Assurance of Metering (TAM) Central Volume Allocation (CVA)	Elexon	2 June 2021		AR	AI		I			
CP1546	Introducing Data Transfer Catalogue (DTC) flows to transfer UMS Summary	Elexon	8 July 2021		CPC	CPC	AR	AI			
CP1547	Clarification on the Site Specific Line Loss Factor Calculation Process for Embedded Licensed	Elexon	8 July 2021		CPC	AR	AI	I			
CP1548	Remove constraint requiring BMRS to publish data files in a specific CSV format and	Elexon	7 Sept 2021			AR/CPC	CPC	AR	AI		I

VI. BSC Releases Road Map

The tables below summarise the scope of each BSC Release. Further information can be found on the [Releases](#) page of our website.

November 2021 Release			
Change Number	Title of Change	BSC Central Systems/Document only impacts	Current Status of Change
P399	Making the identity of Balancing Service providers visible in the Balancing Services Adjustment Data	System	7. Implementation Phase
CP1541	Use of DTC data flow D0004 in Half Hourly Sector to inform Suppliers that a manual download to obtain data was not successful	Document Only	7. Implementation Phase
CP1545	Introducing Technical Assurance of Metering (TAM) Central Volume Allocation (CVA) Specific Sample audits	System	7. Implementation Phase
CP1547	Clarification on Site Specific LLF Calculation Process for Embedded LDSOs	Document Only	7. Implementation Phase

February 2022 Release			
Change Number	Title of Change	BSC Central Systems/Document only impacts	Current Status of Change
P402	TCR SCR - implementing Ofgem's policy decision	Document Only	7. Implementation Phase
CP1532	Review Appointment of Agent Timelines	Document Only	7. Implementation Phase

June 2022 Release			
Change Number	Title of Change	BSC Central Systems/Document only impacts	Current Status of Change
P375	Settlement of Secondary BM Units using metering at the asset	System	7. Implementation Phase
CP1527	Increase the minimum data storage capacity for Settlement Outstations and Mandate specific selectable DPs for CoPs 3, 5, and 10	Doc Only	7. Implementation Phase

February 2023 Release			
Change Number	Title of Change	BSC Central Systems/Document only impacts	Current Status of Change
P376	Utilising a baselining methodology as an alternative to Physical Notifications	System	7. Implementation Phase

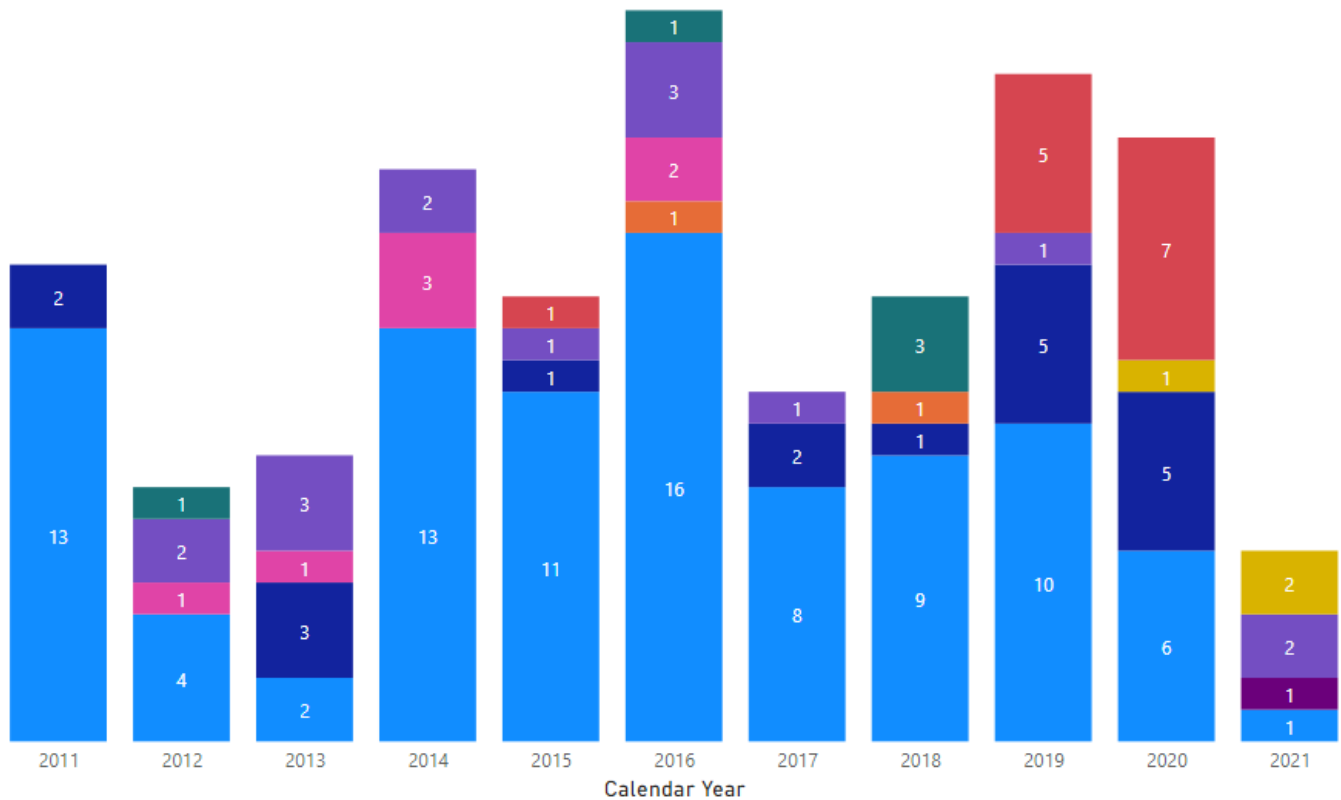
Ad Hoc Releases				
Change Number	Title of Change	BSC Central Systems/Document only impacts	Current Status of Change	Implementation Date
P416	To introduce a route of appeal for the BSC Annual Budget	Document Only	6. Authority Decision / SG Appeal Window	5 WDs after Authority decision
P422	Amendments to Section F to incorporate NCER rules	Document Only	7. Implementation Phase	06 Sep 21
P423	Market-wide Half Hourly Settlement (MHHS) Implementation and Governance Arrangements	Document Only	5. Report / Panel Decision Phase	07 Oct 21
P424	Re-insert correct definition of Settlement Error	Document Only	5. Report / Panel Decision Phase	1 WD after Authority decision

TBC Release Date				
Change Number	Title of Change	BSC Central Systems/Document only impacts	Current Status of Change	Target Implementation Date
P332	Revisions to the Supplier Hub Principle	Document Only	5. Report / Panel Decision Phase	5 WDs after Authority decision
P395	Final Consumption Levies (FCLs)	System	4. Assessment / Consultation Phase	TBC
P410	Changing imbalance price calculations to comply with the Imbalance Settlement Harmonisation regulations	System	4. Assessment / Consultation Phase	TBC
P412	Ensuring non-BM Balancing Services providers pay for non-delivery imbalances at a price that reflects the real-time value of energy	System	4. Assessment / Consultation Phase	TBC
P415	Facilitating access to wholesale markets for flexibility dispatched by Virtual Lead Parties	System	4. Assessment / Consultation Phase	TBC
P419	Enhanced Reporting of demand data to NETSO to facilitate BSUoS Reform	System	4. Assessment / Consultation Phase	Feb 23
P421	Align the BSC with Grid Code modification GC0144 for TERRE Market suspension	Document Only	2. Working to Raise	Nov 21
CP1544	BSCCo Approved EFR Representative sign-off required for any EFR plan following escalation	Document Only	5. Report / Panel Decision Phase	Nov 21
CP1546	UMS Summary Inventory and Control File Data Flow	Document Only	5. Report / Panel Decision Phase	Jun 22
CP1548	Remove the constraint, in NETA IDD Part 1 Document, requiring BMRA to publish data files in the specific CSV format	Document Only	4. Assessment / Consultation Phase	Feb 22

VII. Modification Trend Chart

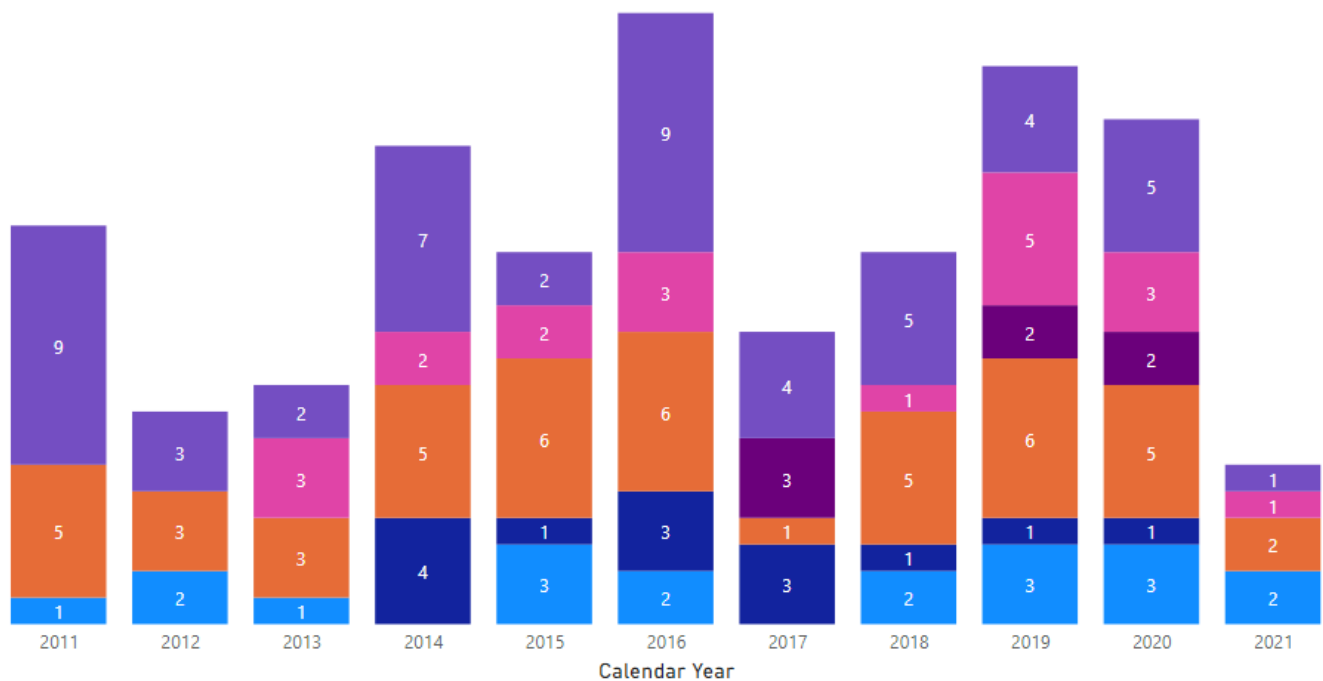
What's driving the raising of Modifications?

Driver ● Defect ● Europe ● Legislation ● Legislation (inc. CMA) ● Ofgem ● Other Code ● SCR ● Strategic Improvement ● Workgroup/Committee



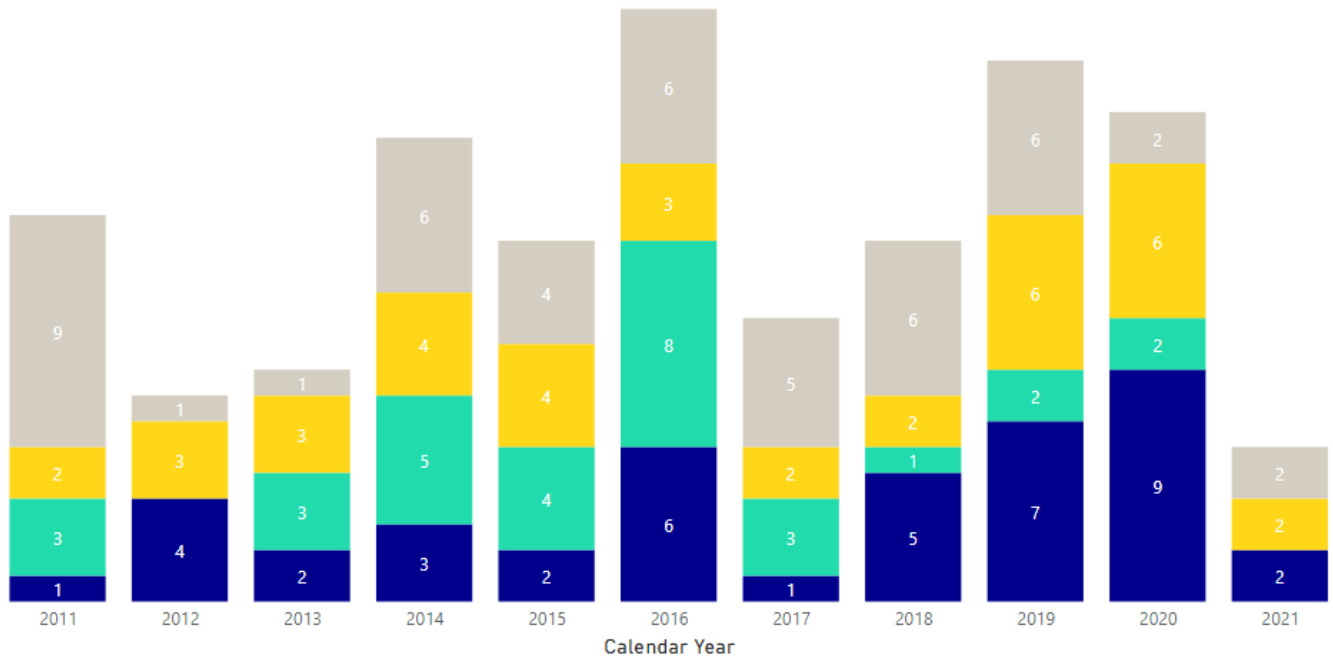
What type of Modifications are being raised?

Category L1 ● Assurance ● Credit ● Governance ● Registration ● Reporting ● Settlement



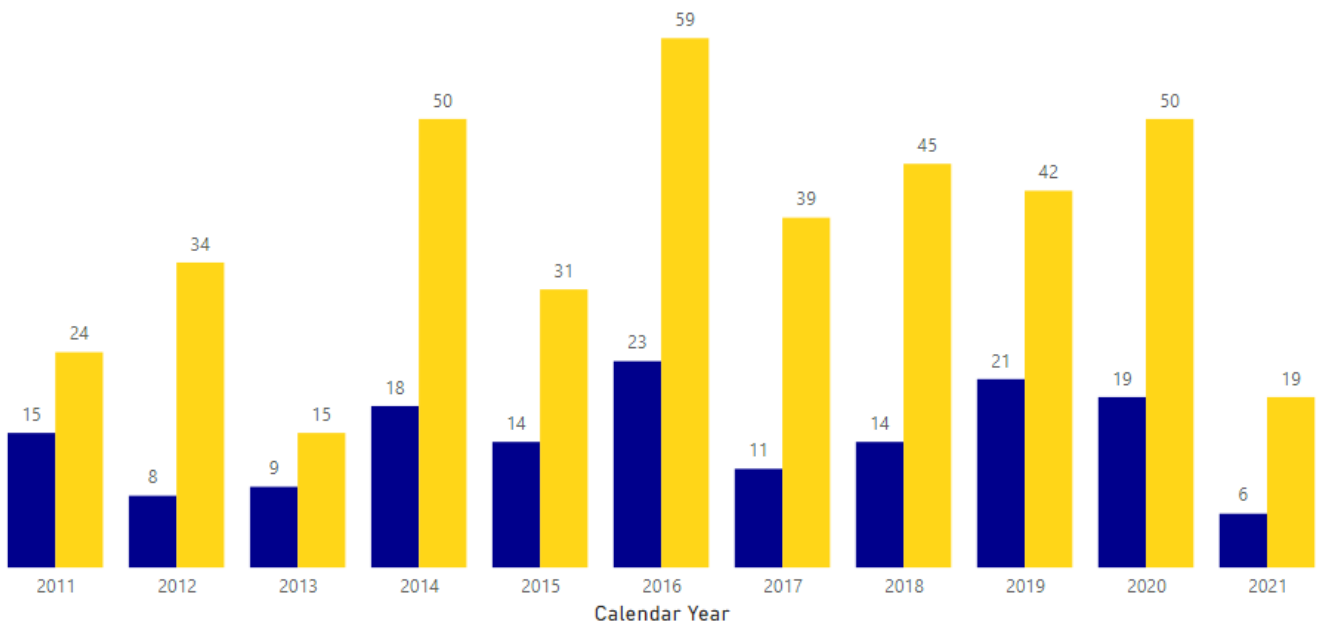
Who is raising Modifications?

Raiser ● BSC Panel ● Incumbents ● National Grid ● Other

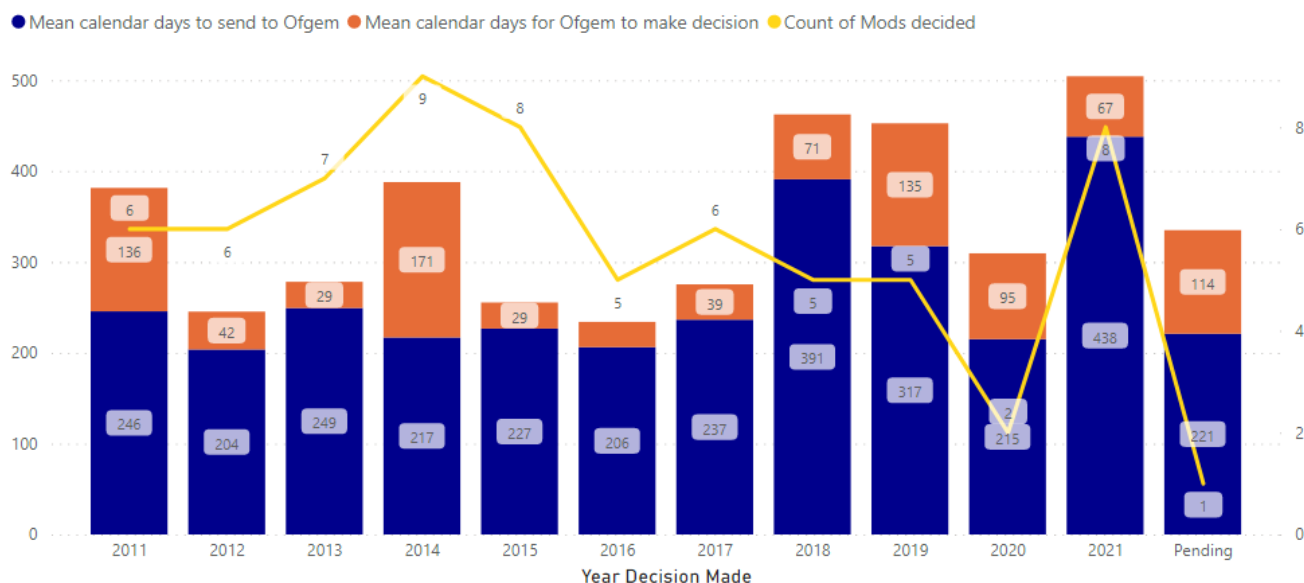


How many Modifications raised and Workgroups held?

● Mods raised ● Workgroups (excl. Issues)



Mean calendar days to send to Ofgem, Mean calendar days for Ofgem to make decision and Count of Mods decided by Year Decision Made



* excludes Self-Governance, Fast-Track Self Governance, straight to Report Phase and Urgent Modifications

VIII: Recommendations

We invite the Panel to:

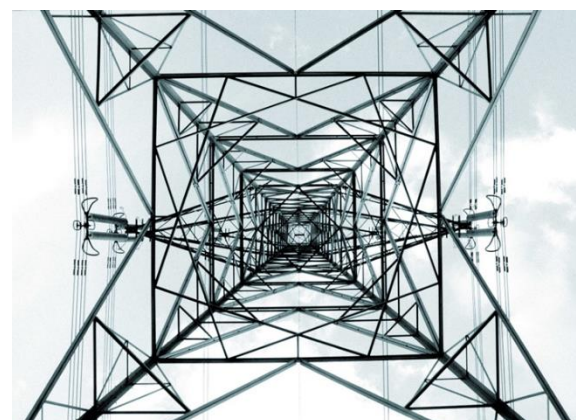
- **APPROVE** a 6 month extension to the P395 Assessment Procedure;
- **APPROVE** a 9 month extension to the P412 Assessment Procedure;
- **APPROVE** a 2 month extension to the P419 Assessment Procedure; and
- **NOTE** the contents of the October 2021 Change Report.

For more information, please contact:

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Appendix A

Key

Initial Written Assessment	Includes Elexon's Initial Written Assessment of the implications of each Modification Proposal and a recommendation of how the Modification should proceed.	Includes Elexon's Initial Written Assessment of the implications of each Change Proposal to seek Committee(s) initial views and agree the consultation questions.
Assessment Procedure	Workgroups are held to develop and assess the proposal. The Workgroup recommendations are consulted on (Assessment Procedure Consultation), before being submitted to Panel with the Workgroup's recommendations on how to proceed (Assessment Report). The Panel initial views are gathered.	The proposal is consulted on in a Change Proposal Consultation Batch. The relevant Committee(s) then decide(s) whether to approve or reject the Change Proposal.
Report Phase	The Panel's initial views on whether to approve and timescales for implementation are consulted on (Report phase Consultation). The responses to the consultation are then presented to the Panel for their final views (Draft Modification Report). The Panel decide whether to approve or reject the Modification and publish the Final Modification Report. If the Modification cannot be approved under Self-governance, the Final Modification Report is sent to Ofgem for decision.	Not applicable.
Awaiting Decision	Modifications that have been submitted to Ofgem for decision or Modifications that have been decided on by the Panel under Self-Governance arrangements and are still subject to objection by BSC Parties (15 Working days after the Panel's decision).	Not applicable.
Awaiting Implementation	Modifications that have been approved but not yet implemented and details of Modifications that have been rejected or withdrawn.	Change Proposals that have been approved but not yet implemented and Change Proposals that have been rejected.
Rejected / Withdrawn	Modifications that have been rejected by the BSC Panel/ the Authority or withdrawn by the Proposer or the Pane	Change Proposals that have been rejected by the Panel or the relevant Panel sub-Committee.