Supplier Volume Allocation Group (SVG)

SVG241

Public

2 March 2021

Apologies

Oli Meggitt

MDD Change Requests for Version 308

SVG241/01

Freya Gardner

MDD Version 306/307 Issues

Clock Interval Issue

MDD v306

A Clock Interval entry was entered into MDD v306 incorrectly. Some Participants had to manually correct this before they could successfully
load the MDD files. The aim was to correct this in MDD v307 under CR M3737.

MDD v307

 The correct Clock Interval was added but the incorrect Clock Interval was not removed. This caused duplicate time periods for TPR 00524 and caused issues for some Participants loading the MDD files.

AFYC Issue

MDD v306

The AFYC value of 0 was omitted from MDD v306 for SSC 0591, TPR 00002. To successfully load the D0269 file, some NHHDAs had to
manually enter this value. It is illogical to have an AFYC value of 0 so the aim was to add the omitted AFYC and update the values in MDD
v307.

MDD v307

The AFYC set was end-dated in MDD v307 with an ETD of 20/01/2021 and re-opened with an EFD of 21/01/2021 with the omitted AFYC entry and updated values. MDD v307 only contains the associated AFYCs from 21/01/2021 and does not include end-dated AFYCs for 20/01/2021. This caused issues for some Participants loading the MDD files.

The files were manually amended for v307 and successfully loaded by Participants. The above will be corrected in v308 under CR M3767.

SVAA Issue

The Teleswitch MDD file failed to load into SVAA for MDD v306 and v307

- Invalid Switched Load Profile Class Indicators
- Archived data from MDD Version 224 (CR M2283) still existed in SVAA

Recommendations

We invite the SVG to:

- a) APPROVE 13 General Change Requests for implementation in MDD 308 with a go-live date of 17 March 2021;
- b) NOTE 14 Fast Track Change Requests for implementation in MDD 308 with a go-live date of 17 March 2021; and
- c) NOTE the Market Participant Impact Assessment comments for CR M3748 and M3750.

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Industry and Central System Testing for TCR Update Verbal Update

Sarah Ross

Industry Testing

- Purpose: Provide assurance to SVG and Panel and Participants that Industry are able to process MDD and Line Loss
 Factor data files with increased data without any detrimental impact business operations.
- Number of Participants taking part: 17
- Scope: D0269/D0270 (complete and incremental MDD) and D0265 (Line Loss Factor data file)
- Held Drop in Sessions throughout the Testing period and had good engagement from Testers
- Published Release Circular and FAQ Document in Newscast highlighting 'downstream' impact of TCR that Participants need to impact assess

Central System Testing

November

Test Design

Dec & Jan 2021 Development, Environment set up & preparation

Jan 2021

MDD Uplift

10 – 23 ebruary 202 Industry Testing

Feb & Mar 2021 Cycle 1 and Cycle 2 Central System Testing

W/C 29 Marc 2021 Central System Testing Exit Report

Central System Testing

- Purpose: To provide assurance that Central Systems can cope with the increased volumes in MDD and LLFCs as a result of the Ofgem TCR
- Scope: Two Phases of Testing (Cycle 1 increase to 35k LLFC and combinations & Cycle 2 increase to 54k LLFC and combinations) covering the following areas;
- MDD
- Legacy SVAA (including Running the Volume Allocation Run)
- Pool Application
- Data Marshalling
- BSC Portal
- Update from Feb progress Increases required in Test Environments for Disk Space on SVA Server and additional memory for DCP during Phase 2
- Recommendations will be covered in the Central System Testing Exit Report

Elexon update for TCR implementation

Nov MDD publish 11 Nov 20 Version 304 Publish inc IPNL 39,020 LLFC & Combinations

SVG &Panel

 Elexon seek approval for all remaining DNO for Jan Publish based on low risk based approach for implementation

an MDD publish 13 Jan 21 Version 306 Publish inc DNO 28,864 LLFC & Combinations

Nov – March 2021 Central System Testing

10 – 23 Februai 2021 Industry Testing

W/C 29 Mai 2021 Central System Testing Exit Report

May to Octobber 2021 Seek approval and Publish IDNO LLFC & Combinations in MDD which account for small proportion of transfers

LLF Audit Results 2021/2022

SVG241/09

Sedef Kiris

Audit results for 2021/2022

- Elexon performed the annual review of the LLF methodologies submitted by each LDSO in September 2020 (SVG235). All
 methodologies were found to be compliant although some minor amendments were required.
- Due to COVID-19, we have performed the Audit remotely this year for all LDSOs, instead of conducting in-person site visits.
- For the 2021/2022 audit year, all remote audits were completed and the final audit reports were issued by 10 December 2020. All Host LDSOs achieved a final result of compliant.
- Following the methodology audit, Elexon audited the SVA and Central Volume Allocation (CVA) LLF values in accordance with BSCP128. There are no outstanding non-compliances.

LLF Audit Results 2021/2022

Audit results for 2021/2022

Host LDSOs:

- All Host LDSOs met all BSCP128 deadlines.
- One out of six Host LDSOs had to resubmit their documentation to resolve outstanding non-compliances.
- Three out of six Host LDSOs had to revise their documents to rectify typographical errors as well as incorrect entries such as invalid or end dated LLFCs, incorrect LLF Values assigned to a certain voltage level for specific STOD Period etc.

Embedded LDSOs:

- Fourteen Embedded LDSO, plus two embedded networks owned by one of the Host LDSOs, were subject to the Embedded LDSO audit. All Embedded LDSOs chose to mirror LLF Classes (LLFCs) of Host LDSOs; the LDSO-owned embedded Party chose a combination of 'Mirroring LLFCs and Self LLF Calculation'.
- Twelve out of the 15 Embedded LDSOs were initially found non-compliant and one Embedded LDSO's submission was
 received late. Six out of the twelve Embedded LDSOs required multiple resubmissions in order to rectify the issues. All of
 the non-compliances were resolved.

Attachment A – LDSO LLF Audit Report Aggregated Summary

Issue Description	Observations	Non-Material	Material	Total
Number of late submissions	1	0	0	1
Typographical / administration errors	0	0	0	0
Process non-compliance e.g. BSCP 128 Section 2.3.3	0	0	0	0
File structure errors, Missing Columns & Content, Incorrect Entry, STOD, Duplicated LLFC, # of LLFC do not match	4	3	6	13
Mirroring End dating Sites, Incorrect ETD, Mirroring Incorrect MPID, Invalid Host LDSO	0	0	12	12
Missing sites, LLFCs from CVA_I022, D0265, CSAD, Request Template	0	2	4	6
Incorrect LLF values (Non-Material = error in BSCP128 Appendix 4 or 5 CSAD)	0	2	0	2
MDD errors	0	0	0	0
New LAF calculation errors	0	0	0	0
Site specific calculation errors	0	0	0	0
Total (by category of risk)	5	7	22	34

Recommendations

We invite the SVG to:

- a) NOTE that all SVA non-compliances have been resolved;
- b) APPROVE the SVA LLFs for use in Settlement from 1 April 2021 to 31 March 2022; and
- c) NOTE that we will seek the ISG's approval of the CVA LLFs at its meeting on 02 March 2021.

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UMSUG Updates to the Operational Information Document SVG241/05

Freya Gardner

UMSUG recommended changes to the OID

- Clarifications to the key roles defined in Section 1.3
- Introduction of distinct Charge Codes for Festive Lighting
- Miscellaneous Charge Code digits 8, 9 and 10 to always be 000 for Local Codes, with any 'nationally agreed' codes starting at 001 and then
 incremented (i.e. 001, 002)
- Removal of 'legacy connections only' proviso for Highways England or Transport for Scotland VMS
- Changes to the Valid Combinations tables
- Changes to the Standard Inventory Format for detailed inventories published at paragraph 8 of the OID

Recommended change to Section 1.5 not included in the red-lined attachment

• Update to replace the red text below which relates to the provision for mCMS unmetered arrangements for EV charging with the green text:

"It is anticipated that any new land developments will consider the feasibility of metered charge point infrastructure at the time of design"

"The mCMS provisions for EV charging have been designed to facilitate the establishment of charging facilities via existing unmetered street furniture where it may be difficult and costly to provide normal metering. It is fully expected that new developments will make provision for appropriate metered charge point infrastructure. Similarly, in any situation where new dedicated supplies are being laid for the purpose of EV charging it is expected that these will have MPANs and regular metering."

Recommendations

We invite the SVG to:

- a) NOTE the UMSUG recommended changes to the OID;
- b) APPROVE the changes to the OID; and
- c) NOTE that, subject to approval, the updated OID will be published on the Elexon website when MDD changes go-live in March 2021.

Metering Dispensation D/517 – New Cross Tunnel Boring Machine (TBM) SVG241/02

Mike Smith

Background to Metering Dispensation D/517

- As part the construction of the £1bn London Power Tunnels (LPT) project for National Grid (NG), NG has provided a temporary (four years and 10 months) new connection for a Tunnel Boring Machine (TBM) off the tertiary winding for SGT4 at New Cross GSP.
- The Transmission System Boundary Point and the Defined Metering Point are located within an 11kV Ring Main Unit (RMU).
- NG ordered the RMU from the manufacturer and requested the metering CTs and VTs, supplied within the RMU, comply with CoP3.
- The RMU manufacturer, in turn, ordered the CTs and VTs from the CT and VT manufacturers and then installed them within the RMU.
 - The CTs/VTs are to the correct IEC standard and meet (and actually exceed) the minimum class accuracy requirements in CoP3;
 - However, the RMU manufacturer hasn't provided measurement uncertainty evaluations, in accordance with CoP4, for the accuracy results (a requirement since 6 November 2008).
- As soon as NG realised, they liaised directly with the CT and VT manufacturers but, unfortunately, the information provided did not
 meet the CoP4 requirements for measurement uncertainty.
- NG also explored two other options:
- Remove/disassemble the RMU and have the CTs/VTs tested at a suitable Test House or Accredited Laboratory (6-8 week delay); or
- Replace the CTs and VTs with new ones whose Calibration Certificates do have measurement uncertainty evaluations on them (12 week delay).
- It has become evident that the options aren't feasible due to the time and cost impact to the NG project.

Metering Dispensation D/517 Application

- Engie Power Ltd has applied for a temporary Metering Dispensation (D/517), from CoP4, until 31 December 2025.
 - This is for the Settlement CTs and VT to measure the 4MVA supplies to a TBM.
 - CTs/VT are tested to the required IEC standards for measurement transformers but the accuracy test results on the CT and VT Calibration Certificates don't come with measurement uncertainty evaluations.
- CoP4 also requires:
- the Calibration equipment used to Calibrate CTs/VTs to be Traceable to Calibrated Standards held by a Test House or an Accredited Laboratory; and
- that the Calibrations and measurements are derived from national measurement standards, either directly or indirectly.
- Through further discussions with the CT and VT manufacturers, the applicant has established that the Calibration equipment they use is Traceable to national (CT) Calibration Standards and international (VT) Calibration Standards.
- The applicant requests that the SVG considers the following:
 - Not providing the supply on time will have a significant cost and time impact a critical national infrastructure project;
 - 4MVA connection to be provided is temporary (four years and 10 months);
- The CTs/VT meet CoP3 IEC standards and exceed accuracy class requirements;
- Applicant has taken all reasonable steps to ensure the provided Metering Equipment meets the required standards, by purchasing equipment from a known UK supplier of 11kV metering units; and
- The impact on Settlement, and other Registrants, is likely to be very low to immaterial (CTs and VT are tested to the relevant IEC standards and exceed CoP3 minimum class accuracy requirements).

MDRG and NETSO comments

We circulated the Metering Dispensation application (and attachment) to the Metering Dispensation Review Group (MDRG) and the National Electricity Transmission System Operator (NETSO) for comments.

MDRG comments:

- Two out of three MDRG Members responded, one is the MOA and has not responded. Both MDRG members who support the application do so because of:
 - The time limited nature and the low/no impact on Settlements; and
- The basis of the uncertainty requirement not being very clear in CoP4, having little (if any) impact on accuracy, and the fact that it is temporary.

NETSO comments:

• The NETSO confirmed they had no objections to this Metering Dispensation application

Elexon's view

- Elexon supports this temporary Metering Dispensation application (D/517) on condition that the applicant confirms (and provides evidence)
 that:
- The Calibration equipment used by the CT and VT manufacturers is Traceable to national (or international) Standards (held by a Test House or Accredited Laboratory); and
- The Calibrations and measurements are also Traceable (i.e. are derived from national measurement standards, either directly or indirectly).
- The applicant has now provided this evidence and therefore we believe the impact of using these Settlement CTs and VT will not be material.
- Since writing the paper the applicant has now confirmed the CT manufacturer has provided the necessary uncertainty evaluation for the CTs.

Recommendations

We invite the SVG to:

- a) APPROVE Metering Dispensation D/517, for the New Cross Tunnel Boring Machine supplies, on a temporary basis until 31 December 2025; and
- b) NOTE we will present a similar decision paper to the Imbalance Settlement Group (ISG) at its meeting on 2 March 2021.

Metering Dispensation D/516 – Moray East Offshore Wind Farm SVG241/03

Christopher Day

Background to Metering Dispensation D/516

- For each of the three Power Park Modules (PPMs) that comprise Moray East Offshore Wind Farm, CoP1 Meters measure the main Imports to and Exports from the PPMs on each substation platform. CoP5 Meters in the onshore substation, and the Offshore substations, measure the low voltage (LV) supplies to wind farm assets.
- The auxiliary power for each Offshore substation, which feed OFTO assets and wind farm assets, can be provided from three different supplies:
 - a) the OFTO owned Earthing and Auxiliary Transformers, ET1, ET2 and ET3; or
 - b) via the wind farm owned Auxiliary Transformers, AT1, AT2 and AT3 during ET1, ET2 and ET3 outages; or
 - c) via OFTO owned diesel generators, as emergency backup.
- In normal operation, the OFTO will feed these LV auxiliary loads from its own Earthing and Auxiliary Transformers. Should an Earthing and Auxiliary Transformer be out of service, the wind farm owned Auxiliary Transformer will provide the power to 400V distribution board and thus the LV auxiliary supplies.
- As the wind farm owned Auxiliary Transformers are fed directly from the wind farm's 66kV busbar, the power consumed by the LV auxiliary supplies will be from the wind farm's own generation, when there is sufficient power available at that PPM.
- If, during this contingency, the PPM is unable to meet the demand from LV auxiliary load from its own generation, power will be imported from National Electricity Transmission System via the OFTO and these volumes will be measured as Imports on the CoP1 Meter at the high voltage (HV) Boundary Point.
- Due to an oversight at the design stage, installation of CoP5 Meters on the LV side of the wind farm owned Auxiliary Transformers, to be used only in the contingency operation condition (which will be infrequent and for limited duration of time), was believed not to be required and therefore was not fitted.
- As a result of the above, Moray Offshore Windfarm (East) Limited does not wish to measure the LV auxiliary supplies to OFTO assets through its own Auxiliary Transformers on the Offshore platforms, at the Moray East Offshore Wind Farm, under contingency operation.

Metering Dispensation D/516 Application

- Moray Offshore Windfarm (East) Limited has applied for a lifetime Metering Dispensation (D/516) against CoP5.
- This is because either the wind farm operator will provide these contingency LV auxiliary supplies from its own generation or, when not
 generating, its CoP1 Meters will record them as part of the Imports for the Moray East Offshore Wind Farm PPMs. These contingency LV
 auxiliary supplies will be provided free of charge to the OFTO.
- In addition, the cost of retrofitting CoP5 tariff Meters now (~£750k), when the substations are already installed Offshore, would require very significant effort and would have negligible impact on the amount of energy metered.
- These LV Boundary Points are not in use during normal operation and are only required in the unlikely event of both a 220/66kV grid transformer (GT1, GT2, GT3) and a 66kV/0.4kV Earthing transformer (ET1, ET2, ET3) outage.
- It is very likely that due to the high cost associated with retrofitting a CoP5 Meter at the LV Boundary Point, it will not be cost effective to do so at any point during the operational lifetime of the wind farm.

MDRG and NETSO comments

We circulated the Metering Dispensation application (and attachment) to the Metering Dispensation Review Group (MDRG) and the National Electricity Transmission System Operator (NETSO) for comments.

MDRG comments:

- One MDRG members responded:
- The respondent raised noted that whilst they were disappointed in the example of failure to properly plan the Metering Equipment, they understood the justification for the application and reluctantly supported it.

NETSO comments:

The NETSO confirmed they had no objections to this Metering Dispensation.

Elexon's view

- Elexon supports this Metering Dispensation application (D/516) as the supplies to the wind farm LV assets across the unmetered Boundary Points would:
 - be very infrequently used and low in volume; and
- either come directly from the wind farm's own generation (i.e. below the CoP1 Meters); or
- be recorded as part of the CoP1 Imports to the wind farm when not generating.

Recommendation

We invite the SVG to:

a) APPROVE Metering Dispensation D/516, for Moray East Offshore Wind Farm, on a lifetime basis.

Approval of P383 Configurable Items for the April 2021 Release SVG241/04

Nathan Flood

April 2021 BSC Release – P383 Configurable Items

Background:

- P383 was approved by Ofgem on 28 February 2020 for Implementation on 1 April 2021 as part of the April 2021 BSC Release.
- P383 'Enhanced reporting of demand data to the NETSO to facilitate CUSC Modifications
- CMP280 and CMP281' requires changes to be made to the following BSC Configurable Items:
 - BSCP503 'Half Hourly Data Aggregation for SVA Metering Systems Registered in SMRS';
 - BSCP602 'SVA Metering System Register' (BSC Panel ownership);
 - SVAA Service Description;
 - SVAA User Requirement Specification;
 - SVA Data Catalogue Volume 1 Appendix A & B; and
 - SVA Data Catalogue Volume 2 Appendix A, B & C.

Industry Review:

- We issued the draft Configurable Items for a 10 Working Day industry review.
- We received no industry responses to the industry review period
- We have made a number of clarification amendments to SVAA Service Description, SVAA User Requirement Specification, BSCP602 and SVA Data Catalogue Volume 1 Appendix A following industry review

Recommendations

We invite the SVG to:

- a) AGREE the amendments to the below documents following industry and Elexon review:
 - i. SVAA Service Description;
 - ii. SVAA User Requirement Specification; and
 - iii. SVA Data Catalogue Volume 1 Appendix A
- **b) APPROVE** the changes to the below documents for the April 2021 BSC Release:
 - i. BSCP503;
 - ii. SVAA Service Description;
 - iii. SVAA User Requirement Specification;
 - iv. SVA Data Catalogue Volume 1 Appendix A & B; and
 - v. SVA Data Catalogue Volume 2 Appendix A, B & C.

CP1540 'Strengthening the Qualification – Change of Ownership Process' SVG241/08

Nicholas Brocklesby

Issue

- In April 2020 two companies traded qualification status, citing footnote 22 of BSCP537.
- This footnote was intended to allow internal restructuring within a company, and as such the use of the footnote in April ran against this intention.
- This footnote suggests that it is acceptable that a company can hold Qualified status without the associated people, systems and processes, having purchased the status as an asset.
- Additionally, Elexon are receiving enquiries asking in what circumstances PAB would approve a Change of Ownership, which Elexon are struggling to answer.
- This indicates a need amongst industry, and within Elexon, for clarification on circumstances where Re-qualification would not be required.

Solution

The proposed CP1540 solution has been developed with the assistance of PAB members, and aims to:

- Remove footnote 22 from BSCP537 entirely.
- Add text to BSCP537 stating that:

"A change of ownership is through the sale and purchase of the majority of the shares in a legal entity with Qualified status which results in a change of control in that entity. A Qualification status cannot be transferred between legal entities except where the transfer takes place between affiliates (as defined in the Code save that, for the purposes of this BSCP, references to a Party in the definition of that term shall be deemed to be a reference to SVA Party Agents and CVA MOAs)."

- To specify "Where the change of ownership process results in a Material Change to the staff, process or system, the applicant must proceed to 2.2 the 'Re-Qualification Process'."
- To make these additions in a paragraph in the main body of the text, rather than a footnote.

Impacts, Costs and Consultation Responses

- CP1540 is a document only change and will have no impact on BSC Systems.
- The cost is expected to be below £1000.
- Provide clarity for parties requiring information on the process.

This paper was presented to the PAB on 25 February 2021.

Recommendations

We invite the SVG to:

- a) NOTE that CP1540 has been raised;
- **b) NOTE** the proposed progression timetable for CP1540;
- c) PROVIDE any comments or additional questions for inclusion in the CP Consultation; and
- d) NOTE that CP1540 was also presented to:

 The PAB on 25 February 2021; and will be presented to

 The ISG on 2 March 2021.

CP1541 'Use of DTC Data Flow D0004 in Half Hourly Sector [...]' Progression Paper SVG 241/06

Andrew Grace

2 March 2021

CP1541: Issue

- Where a manual Site Visit has been arranged to obtain Half Hourly (HH) data, if successful, HH consumption data will be sent by a HHDC to a Supplier via a D0036 or D0275
- There is currently no prescribed mechanism for Half Hourly Data Collectors (HHDCs) to inform a Supplier, via a dataflow, if they have been unable to manually retrieve consumption data where a Site Visit has been arranged
- This process currently relies on bilateral discussions between HHDCs and Suppliers rather than a consistent Industry process
- Without receipt of a D0004, Suppliers can be reliant on informal methods of communication to understand the results of a Site Visit

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CP1541: Proposed Solution

Update BSCP502 Clause 3.4.1 to require HHDCs to send a D0004 flow where a Site Visit to obtain Metering data is unsuccessful.

CP1541: Impacts and Implementation

Impacts

- CP1541 will impact:
 - Suppliers
 - HHDCs
 - Industry: Potential process and system impacts
 - Elexon: Document only change

Implementation

• CP1541 is proposed to be implemented on 25 November 21 as part of the November 2021 Release

CP1541: Proposed Timetable

Event	Date
CP Progression Paper presented to SVG for information	2 March 2021
CP Consultation	8 March 2021 – 6 April 2021
CP Assessment Report presented to SVG for decision	4 May 2021
Proposed Implementation Date	25 November 2021 (November 2021 Release)

CP1541: Recommendations

We invite the SVG to:

- a) NOTE that CP1541 has been raised;
- **b) NOTE** the proposed progression timetable for CP1541; and
- c) PROVIDE any comments or additional questions for inclusion in the CP Consultation.

CP1542 'Transfer the obligation to visit deenergised sites [...]' Progression Paper SVG241/07

Paul Wheeler

CP1542: Issue

- There is an obligation in BSCP504 'Non Half Hourly Data Collection for SVA Metering Systems Registered in SMRS' on Non Half Hourly Data Collectors (NHHDCs) to visit de-energised sites annually (footnote 99)
- Footnote 99 exists within BSCP504 to ensure that, where sites are registered as de-energised, they do not have any Meter advances thus
 protecting the integrity of Settlement
- In a scenario where the Supplier doesn't instruct the NHHDC to visit de-energised sites, the footnote 99 provision has the potential to cause NHHDCs to become non-compliant under obligations in BSCP504
- The obligation is solely put on the NHHDCs with no matching obligation on the Supplier leaving Party Agents exposed to non-compliance
- This CP1542 has been raised to implement the agreed solution from Issue 85 'Removal of obligation to visit de-energised sites once every 12 months from BSCP504'

CP1542: Proposed Solution

- Transfer the obligation in BSCP504 to visit de-energised sites on an annual basis from NHHDCs to Suppliers
- The BSCP502 'Half Hourly Data Collection for SVA Metering Systems Registered in SMRS' obligation for Half Hourly Data Collectors (HHDCs) to visit de-energised sites will also be placed on Suppliers for consistency
- Rearrange the table in section 3.4.1 in BSCP504 to incorporate the important information in footnote 99 into the table

CP1542: Impacts and Implementation

Impacts

- CP1542 will impact:
 - Suppliers
 - HHDCs
 - NHHDCs
 - Balancing and Settlement Code (BSC) documentation: BSCP502 and BSCP504

Implementation

• CP1542 is proposed to be implemented on 24 February 2022 as part of the February 2022 Release

CP1542: Proposed Timetable

Event	Date
CP Progression Paper presented to SVG for information	2 March 2021
CP Consultation	8 March 2021 – 6 April 2021
CP Assessment Report presented to SVG for decision	4 May 2021
Proposed Implementation Date	24 February 2022 (February 2022 BSC Release)

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CP1542: Recommendations

We invite the SVG to:

- a) NOTE that CP1542 has been raised;
- **b) NOTE** the proposed progression timetable for CP1542; and
- c) PROVIDE any comments or additional questions for inclusion in the CP Consultation.

BSC Operations Headline Report

Change Report

Actions

Paige Binet / Oli Meggitt

Panel Update

Tom Edwards

Minutes from previous meeting

Paige Binet / Oli Meggitt

Any other business

NEXT MEETING TUESDAY 6 APRIL 2021