

Phase

Initial Written Assessment

Definition Procedure

Assessment Procedure

Report Phase

Implementation

P320 'Reporting on Profile Classes 5-8 Metering Systems after the implementation of P272'

The implementation of P272 would require Profile Classes 5-8 Metering Systems to be Half Hourly settled and would require changes to PARMS and Supplier Charges to report any non-compliance. P320 arises from of Issue 59 and proposes to remove the required changes to PARMS and Supplier Charges that were introduced by P272. It would instead introduce a Committee report to monitor the implementation of P272.

This Assessment Procedure Consultation for P320 closes:

5pm on Friday 5 June 2015

The Workgroup may not be able to consider late responses.



The P320 Workgroup initially recommends **approval** of P320

This Modification is expected to impact:

- Suppliers
- ELEXON



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Contents

1	Summary	3
2	Why Change?	4
3	Solution	5
4	Impacts & Costs	7
5	Implementation	9
6	Workgroup's Discussions	10
7	Workgroup's Initial Conclusions	14
	Appendix 1: Workgroup Details	16
	Appendix 2: Glossary & References	18

About This Document

The purpose of this P320 Assessment Procedure Consultation is to invite BSC Parties and other interested parties to provide their views on the merits of P320. The P320 Workgroup will then discuss the consultation responses, before making a recommendation to the BSC Panel on whether or not to approve P320.

There are three parts to this document:

- This is the main document. It provides details of the solution, impacts, costs, benefits/drawbacks and proposed implementation approach. It also summarises the Workgroup's key views on the areas set by the Panel in its Terms of Reference, and contains details of the Workgroup's membership and full Terms of Reference.
- Attachment A contains the draft redlined changes to the BSC for P320.
- Attachment B contains the specific questions on which the Workgroup seeks your views. Please use this form to provide your response to these questions, and to record any further views or comments you wish the Workgroup to consider.

P320
Assessment Procedure
Consultation

15 May 2015

Version 1.0

Page 2 of 18

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Why Change?

Approved Modification [P272 'Mandatory Half Hourly Settlement for Profile Classes 5-8'](#) requires changes to the Performance Assurance Reporting and Monitoring System (PARMS) to capture and report any non-compliance after the implementation of P272.

The Proposer contends that the purpose of the non-compliance reporting will be better achieved by a regular Committee report to the Performance Assurance Board (PAB), rather than through PARMS. This view is supported by the [Issue 59 'Consideration of the PARMS and Supplier Charge changes introduced by P272 and P300'](#) Group.

Solution

[P320 'Reporting on Profile Classes 5-8 Metering Systems after the implementation of P272'](#) will remove the PARMS reporting requirement introduced by P272. Instead, a monthly Committee report should be produced and submitted to the PAB by no later than 1 April 2016. The PAB may require such report be submitted to it before 1 April 2016 as it deems appropriate. The report can also be shared with the BSC Panel if it wishes to.

Impacts & Costs

The central implementation cost is approximately £6,600 per year for the production of the monthly Committee report. The cost will be reduced if the reporting frequency is reduced in the future.

There will be no cost to industry participants to implement the proposed solution.

Implementation

The Workgroup recommends an Implementation Date for P320 of 1 April 2016. This is in line with the Implementation Date of P272.

Recommendation

The Workgroup unanimously believes that P320 will better facilitate Applicable BSC Objective (d). The majority of Workgroup believes that that P320 will also better facilitate Applicable BSC Objective (c). It therefore initially recommends that P320 Proposed Modification should be approved.

2 Why Change?



Approved Modification P272 will mandate all Metering Systems in Profile Class (PC) 5-8 with Advanced Meters to be settled HH from 1 April 2016. As part of the solution, changes have been proposed to PARMS to monitor P272's implementation as follows:

- creation of a new PARMS Serial, with no associated Supplier Charge, to report on the number of PC5-8 Metering Systems that do not have an Advanced Meter installed; and
- amendment to the existing PARMS Serial SP04 'Installation of Half Hourly Metering' to include those PC5-8 Metering Systems with Advanced Meters that are not HH settled and the application of its associated Supplier Charge to such non-compliance.

To implement the required changes to PARMS, ELEXON and Suppliers would need to carry out system changes accordingly. ELEXON estimates the costs to implement the required PARMS changes will be approximately £20,000 for BSC central systems and at least £5,000 for each Supplier to change their own systems. The total implementation cost will therefore be at least £250,000.

The Proposer believes that these required changes introduced by P272 are inefficient and should be removed from the approved P272 legal text.

What is the issue?

The Proposer contends that the implementation of P272 will introduce an enduring reporting mechanism under PARMS to report on non-compliances that will be temporary. This is because the total volume of PC5-8 Metering Systems will decrease following the implementation of P272, with limited number of new PC5-8 Metering Systems being registered after this time due to a small number of Metering Systems that might switch from PC3-4 into PC5-8 and new connections. If a new PARMS Serial is introduced to capture such non-compliance, it will report on a very small number Metering Systems when the Non Half Hourly (NHH) to Half Hourly (HH) transition under P272 is completed. If this PARMS Serial needs to be removed in the future, a further Modification will need to be raised. The costs to the industry to implement these changes outweigh the benefits of such reporting.

P272 requires that Supplier Charges under PARMS Serial SP04 be levied on Suppliers who do not settle PC5-8 Metering Systems with Advanced Meters Half Hourly. The Proposer contends that it is possible that Suppliers may not comply despite reasonable efforts being taken. For example there could be Metering Systems that are in a location where they cannot be remotely read due to legitimate communication limitations. In such circumstances, it is not appropriate to impose charges on Suppliers.

Furthermore, Supplier Charges may not be the most effective way to enforce the NHH to HH transition under P272. Issue 59 Group flagged up that Parties may choose to deliberately incur and pay Supplier Charges as a commercial decision (i.e. if it is ultimately cheaper to pay the Charges as a result of being non-compliant than to invest money to resolve these non-compliances or lose a customer).

PARMS

PARMS is a database containing information about how Suppliers and their Supplier Hubs are performing. Suppliers, Supplier Agents, Supplier Meter Registration Agents and Supplier Volume Allocation Agent can submit data into PARMS. ELEXON uses PARMS to monitor Supplier Performance under BSC obligations and manage Settlement Risks.

PARMS data is divided into Serials. A Serial is a defined area for measuring a Supplier or Supplier Agent's performance against key industry processes. Supplier Charges are incurred for underperformance against six PARMS Serials.

PARMS Serial SP04

BSC Section L 'Metering' 2.1.1 requires that 100kW SVA Metering Systems shall be HH Metering Equipment. PARMS Serial SP04 captures the number of 100kW Metering Systems that do not have HH Metering Equipment installed for Suppliers. Supplier who fails to comply with Serial SP04 shall be liable, in relation to each relevant Metering System, to a current charge of £4.06 per day.

P320
Assessment Procedure
Consultation

15 May 2015

Version 1.0

Page 4 of 18

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Proposed solution

P320 will remove the relevant paragraphs that require PARMS changes introduced by P272. A standalone Committee report will be created to report on P272 implementation and any non-compliance. This report will be presented to the PAB on a monthly basis or as the PAB deems appropriate.

Committee report to the PAB

The Committee report should be produced for the PAB by no later than 1 April 2016 for the purpose of monitoring P272 implementation. The PAB may request that the report is produced for them at any time prior to 1 April 2016, as they deem appropriate.

The Workgroup believes that the information in the Committee report should be obtained from Electricity Central Online Enquiry Service (ECOES) and contains at least the following information:

- Supplier ID
- Supplier Effective From Date
- Metering Point Administration Number (MPAN)
- Meter type
- Profile Class
- Measurement Class
- Installation date
- Standard Settlement Configuration (SSC)
- Line Loss Factor Class (LLFC)
- Energisation status

The Committee report will be used to inform the PAB of any non-compliance under P272. This will allow the PAB to discharge its Performance Assurance techniques in conjunction with the Committee report, including Error and Failure Resolution (EFR) process, BSC Audit and Business Unit Settlement Risk Ratings (BUSRR).

The PAB shall be the owner of the Committee report, who will be responsible to review the contents and the frequency of reporting. The PAB shall also determine whether and when the report should be reduced in frequency or potentially terminated, if it sees no value of such report after the NHH to HH transition under P272 is completed.

Legal text

The P320 proposed solution requires changes to BSC Section S Annex S-1 'Performance Levels and Supplier Charges'. The proposed solution will remove the relevant approved changes that will be introduced under P272.

The draft legal text to deliver the proposed solution can be found in Attachment A.

Measurement Classes

The Measurement Class of a Metering System reflects how it is settled i.e. HH or NHH. There are currently five Measurement Classes:

- A: NHH metered
- B: NHH Unmetered Supply (UMS)
- C: 100kW or above HH metered
- D: HH equivalent UMS
- E: HH current transformer (CT) Metering Systems that have site specific DUoS billing and are not 100kW Metering Systems
- F: domestic HH CT and whole current (WC) Metering Systems that have aggregated DUoS billing and are not 100kW Metering Systems
- G: non-domestic HH WC metered Metering Systems that have aggregated DUoS billing and are not 100kW Metering Systems

P320

Assessment Procedure
Consultation

15 May 2015

Version 1.0

Page 5 of 18

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Assessment Consultation Question

Do you agree with the Workgroup that the draft legal text in Attachment A delivers the intention of P320?

Please provide your rationale.

The Workgroup invites you to give your views using the response form in Attachment B

Are there any alternative solutions?

The Workgroup does not believe that there are any alternative solutions to P320.

Assessment Consultation Question

Do you agree with the Workgroup that there are no other potential Alternative Modifications within the scope of P320 which would better facilitate the Applicable BSC Objectives?

Please provide your rationale and, if 'No', please provide full details of your Alternative Modification(s) and your rationale as to why it/they better facilitate the Applicable BSC Objectives.

The Workgroup invites you to give your views using the response form in Attachment B

Estimated central and industry implementation costs of P320

ELEXON will be required to purchase monthly data from ECOES and produce the Committee report for the PAB. An indicative cost of the ECOES data will be approximately £550 per month, which sums to £6,600 per annum. If the PAB determines to reduce the frequency of the report to quarterly in the future, when it sees less value of monthly reports, it will cost approximately £750 per report, which sums to £3,000 per annum. The costs for ELEXON to produce the reports for the PAB can be absorbed into 'business as usual' cost.

There is not expected to be any costs to industry participants to implement the P320 proposed solution.

It should be noted that if the PARMS reporting was to continue, the estimated costs for system changes incurred across the industry will be at least £250,000. Therefore the P320 proposed solution will result in cost savings, if implemented.

Assessment Consultation Questions

Will P320 impact your organisation?

If 'Yes', please provide a description of the impacts and any activities which you will need to undertake between Ofgem's approval of P320 and the P320 Implementation Date (including any necessary changes to your systems, documents and processes). Where applicable, please state any difference in impacts between the Workgroup's proposed solutions.

Will your organisation incur any costs or realise any cost savings in implementing P320?

If 'Yes', please provide details of these costs or cost savings, how they arise and whether they are one-off or on-going costs. Please also state whether it makes any difference to these costs whether P320 is implemented as part of or outside of a normal BSC Systems Release.

The Workgroup invites you to give your views using the response form in Attachment B

P320 impacts

Impact on BSC Parties and Party Agents

Party/Party Agent	Impact
Suppliers	Suppliers will not be required to make the system changes to PARMS introduced by P272.

Impact on BSCCo

Area of ELEXON	Impact
BSC Operations	<p>BSC Operations will be required to have a contract in place with the ECOES service provider to ensure a regular provision of data.</p> <p>BSC Operations will be required to produce the Committee report to the PAB for monitoring purposes.</p> <p>A new database will be created to store the data.</p>

Impact on BSCCo	
Area of ELEXON	Impact
PAF	There will be a potential increase in workload as a result of PAB discharging its Performance Assurance techniques to enforce Suppliers to comply with the P272 requirements.

Impact on BSC Systems and process	
BSC System/Process	Impact
PARMS	The changes to PARMS introduced by P272 will no longer be required.

Impact on Code	
Code Section	Impact
Section S Annex S-1	The approved changes to the relevant paragraphs introduced by P272 will be removed. See Attachment A for details.

5 Implementation

Recommended Implementation Date

The Workgroup believes that the Implementation Date of P320 should align with the Implementation Date of P272, so that P320 will remove the relevant approved legal text changes that will be introduced by P272 on the same day.

The Workgroup therefore recommends an Implementation Date for P320 of **1 April 2016** if the Authority's decision is received on or before 1 December 2015.

Assessment Consultation Question

Do you agree with the Workgroup's recommended Implementation Date?

Please provide your rationale.

The Workgroup invites you to give your views using the response form in Attachment B

Is using a PARMS Serial efficient for P272 reporting?

The Workgroup believes that the number of PC5-8 Metering Systems following the implementation of P272 will decrease but not disappear. Since PARMS Serials report Parties' performance on an enduring basis, if changes to PARMS Serials are introduced to capture these, they may become unnecessary after the NHH to HH transition under P272 is completed. As a result, a further Modification will be required to remove these PARMS Serials if they were no longer needed. This would incur further costs to make the corresponding system changes to back out the PARMS changes.

The Workgroup also notes concerns raised by the Issue 59 Group that it is possible that a Supplier cannot comply despite reasonable efforts being taken. For example there could be Metering Systems that are in locations where they cannot be remotely read due to legitimate communication limitations. PARMS Serials will impose charges on Suppliers for non-compliance regardless of the reasons of being non-compliant.

The Workgroup concludes that a Committee report that captures the same non-compliance information will be a better fit for the reporting purpose and result in cost savings.

Committee report

Effectiveness of the Committee report vs PARMS

The Workgroup agrees with the Issue 59 Group's view that imposing Supplier Charges under PARMS on Suppliers who do not settle PC5-8 Metering System Half Hourly may not be an effective driver for them to comply.

Suppliers may choose to deliberately incur and pay Supplier Charges as a commercial decision, should it be cheaper for them to pay the Charges as a result of being non-compliant than invest money to resolve these non-compliances. It was also noted that Supplier Charges are capped for each Supplier to limit each Party's liability in any one reporting period, meaning that additional Supplier Charges will be voided for those Suppliers who have already reached their cap in a given period.

The Workgroup believes that the Performance Assurance Framework (PAF) overseen by the PAB is a more effective incentive for Suppliers to comply with P272 requirements. Suppliers who continue to be non-compliant may face the risks of being escalated to the BSC Panel and, in a worst case scenario, having their BSC Licence removed¹. A Workgroup member with a Supplier background agreed that Parties may take reputational impacts more seriously than capped financial penalties.

ELEXON advised the Workgroup that the PAB should use the Committee report in conjunction with its Performance Assurance techniques. There are several available options including the EFR process, the BSC Audit and BUSRRs to the PAB which it can discharge to ensure that Suppliers comply with P272 requirements. A Workgroup member

¹ When Suppliers incur non-compliances that result in Settlement Risks, they enter into the EFR process. Once a Supplier is in the EFR process, ELEXON will require it to submit resolution plans and will monitor the progression. A failure to resolve non-compliances will result in escalation to the PAB, where the Supplier will be required to agree an action to resolve the non-compliance. If the PAB believes that the non-compliance issue is persistent or material, it can further escalate the issue to the BSC Panel, who can initiate Removal of Qualification or the BSC Default process.

comments that the EFR process has resulted in marked improvement in the number and resolution of non-compliance issues in recent years.

Owner of the Committee report and data confidentiality concerns

The Workgroup unanimously believes that the PAB should be the owner of this Committee report, as Supplier performance and compliance will fall into its remit. The PAB should also review the contents and the frequency of the report from time to time, in light of the value that the report provides at different stages of P272's implementation.

One member suggested that the Committee report will provide information on how the PC5-8 market transits from NHH to HH and that the BSC Panel should also be able to see the report if it wishes to.

The Workgroup agreed that there will not be any concerns with data confidentiality over the contents of the Committee report as this report will only be presented to the PAB, and possibly to the Panel, in a confidential session. The Panel and PAB Members would have signed a confidentiality agreement when they joined the Committees.

What data should the Committee report include?

The Workgroup believes the Committee report should focus on PC5-8 Metering Systems with Advanced Meters installed that are still being NHH settled. In order to provide sufficient information to monitor this, the Workgroup specified that the following data would need to be included in the Committee report:

- Supplier ID
- Supplier Effective From Date
- MPAN
- Meter type
- Profile Class
- Measurement Class
- Installation date
- SSC
- LLFC
- Energisation status

ELEXON advised the Workgroup the required data can be obtained from ECOES for monthly, quarterly or ad-hoc frequencies. However, this will require ELEXON to establish a new database to receive and store the data. ELEXON believes this work will not create any cost barriers to delivering the solution.

ELEXON also receives quarterly extracts of Falcon² data from Distribution System Operators (DSOs). However, this data does not contain Meter type and Measurement Class

² DSOs provide this data to ELEXON quarterly to support Performance Assurance which is overseen by ELEXON.

information, and so would not provide sufficient information, such as whether Advanced Meters have been fitted.

The Workgroup concluded that ECOES data should be used to create the Committee report for the PAB.

Accuracy of ECOES data

Currently PARMS data is used as an indication of performance, and ECOES data would be used in the same way. Both are only as accurate as the reporting provided by Suppliers or their Agents.

The ECOES data is updated by DSOs, Suppliers and Meter Operators when there are changes to MPAN details. It is to the interests of DSOs, Suppliers and Meter Operators to keep the data up to date as ECOES is the central data source for MPAN administration.

Acting as the Technical Assurance Agent (TAA), C&C Group conducts audits on ECOES data when a DSO, Supplier or Meter Operator identifies an issue. The last issue highlighted that resulted in an audit was in 2010, which suggests a good level of data accuracy.

Monitoring should be in place upon P272 implementation if PARMS reporting requirement is removed

It is the intention of P320 to replace the P272 PARMS changes with a Committee report to fulfil the purpose of reporting P272 non-compliance. The Committee report will go live no later than the P272 Implementation Date on 1 April 2016. It will be possible for the Committee report to go live earlier than 1 April 2016 should the PAB determines that there are benefits to monitoring the NHH to HH transition before the implementation of P272.

Cost efficiency

Cost of PARMS reporting

There will be central costs of approximately £20,000 for ELEXON to implement the document and system changes to PARMS as required under P272. It is also estimated that on average it will cost each Supplier £5,000 to change their systems in response to the PARMS changes. Assuming that there are more than 40 Suppliers in the market, the total costs that will be incurred to the industry will approximately be £250,000.

The Workgroup enquired what the indicative costs of removing the PARMS Serial would be if it was no longer needed. It is anticipated that this would cost the same again, but the Workgroup elected to seek market participants' views on how much this cost may be for their system changes as part of this Assessment Consultation.

Assessment Consultation Question

Will your organisation incur any costs in removing a PARMS Serial if it is no longer needed?

If 'Yes', please provide details of these costs, how they arise and whether they are one-off or on-going costs.

The Workgroup invites you to give your views using the response form in Attachment B

Cost of Committee report using ECOES data

ELEXON has received the following price quotes from the ECOES service to obtain the required data with different frequencies:

- £550 per monthly report
- £750 per quarterly report
- £850 per ad-hoc report

The Workgroup believes that the PAB should receive monthly reports during the bulk of P272's implementation. Therefore the cost of producing the Committee report using ECOES data is estimated to be £6,600 per annum. This cost may reduce if the PAB decides that less frequent reports are needed in the future.

Changes to PARMS Serial SP04 after the implementation of P272

PARMS Serial SP04 currently reports on any 100kW Metering Systems which are not being HH settled. After the implementation of P272, all Metering Systems with an Advanced Meter that are within PC5-8 should be HH settled.

Therefore, the Workgroup believes that there is still a requirement to keep PARMS Serial SP04 after the implementation of P272 for two reasons:

- Metering Systems meeting the 100kW requirements for HH Settlement need to be registered to Measurement Class C, which has more stringent performance requirements than those registered on Measurement Classes E, F or G. Therefore SP04 could be expanded to capture any 100kW Metering Systems that have not switched from Measurement Class E, F or G to Measurement Class C following the implementation of P272.
- It is possible that existing PC3-4 Metering Systems will exceed the 100kW threshold in the future. SP04 will therefore capture these new 100kW Metering Systems which may not have an Advanced Meter installed.



Workgroup's conclusion

The Workgroup unanimously agrees that P320 **does** better facilitate the Applicable BSC Objectives when compared to the current baseline and therefore should be **approved**.

Workgroup's views against the Applicable BSC Objectives

The Workgroup, including the Proposer, unanimously agrees that the Proposed Modification does better facilitate Applicable BSC Objective (d), because it will remove unnecessary complexity and costs in relation to reporting on P272 non-compliance via PARMS.

The Proposer and the majority of the Workgroup believe that P320 does better facilitate Applicable BSC Objective (c), because it proposes that Suppliers should not be penalised for not being able to settle their PC5-8 Metering Systems Half Hourly despite reasonable efforts have been taken. A minority of Workgroup members do not feel strongly about this view and believe that P320 is neutral against the objective.

The Workgroup, including the Proposer, unanimously agrees that the Proposed Modification is neutral against Applicable BSC Objectives (a), (b), (e) and (f).

The following table contains the Workgroup's views against each of the Applicable BSC Objectives:

Does P320 Proposed Modification better facilitate the Applicable BSC Objectives?		
Obj	Proposer's Views	Other Workgroup Members' Views
(a)	<ul style="list-style-type: none"> • Neutral 	<ul style="list-style-type: none"> • Neutral (unanimous)
(b)	<ul style="list-style-type: none"> • Neutral 	<ul style="list-style-type: none"> • Neutral (unanimous)
(c)	<ul style="list-style-type: none"> • Beneficial <p>The Proposed Modification will not penalise Suppliers who cannot settle PC5-8 Metering Systems Half Hourly despite reasonable efforts have been taken.</p>	<ul style="list-style-type: none"> • Beneficial (majority) <p>For the same reason as the Proposer.</p> <ul style="list-style-type: none"> • Neutral (minority)
(d)	<ul style="list-style-type: none"> • Beneficial <p>The Proposed Modification will remove unnecessary complexity and costs in relation to reporting on P272 non-compliance via PARMS.</p>	<ul style="list-style-type: none"> • Beneficial (unanimous) <p>For the same reason as the Proposer.</p>
(e)	<ul style="list-style-type: none"> • Neutral 	<ul style="list-style-type: none"> • Neutral (unanimous)
(f)	<ul style="list-style-type: none"> • Neutral 	<ul style="list-style-type: none"> • Neutral (unanimous)

What are the Applicable BSC Objectives?

(a) The efficient discharge by the Transmission Company of the obligations imposed upon it by the Transmission Licence

(b) The efficient, economic and co-ordinated operation of the National Electricity Transmission System

(c) Promoting effective competition in the generation and supply of electricity and (so far as consistent therewith) promoting such competition in the sale and purchase of electricity

(d) Promoting efficiency in the implementation of the balancing and settlement arrangements

(e) Compliance with the Electricity Regulation and any relevant legally binding decision of the European Commission and/or the Agency [for the Co-operation of Energy Regulators]

(f) Implementing and administrating the arrangements for the operation of contracts for difference and arrangements that facilitate the operation of a capacity market pursuant to EMR legislation

P320
Assessment Procedure
Consultation

15 May 2015

Version 1.0

Page 14 of 18

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Assessment Consultation Question

Do you agree with the Workgroup's initial unanimous view that P320 does better facilitate the Applicable BSC Objectives than the current baseline?

Please provide your rationale with reference to the Applicable BSC Objectives.

The Workgroup invites you to give your views using the response form in Attachment B

Workgroup's Terms of Reference

Specific areas set by the BSC Panel in the P320 Terms of Reference
How should the Committee report be created and what data should be included?
With what frequency should the report be provided?
What concerns may there be over data confidentiality and how can these be mitigated?
Who owns the report and therefore will be responsible to review the report from time to time?
Will there be a need to change PARMS Serial SP04 post P272 implementation?
What changes are needed to BSC documents, systems and processes to support P320 and what are the related costs and lead times?
Are there any Alternative Modifications?
Does P320 better facilitate the Applicable BSC Objectives than the current baseline?

Assessment Procedure timetable

P320 Assessment Timetable	
Event	Date
Panel submits P320 to Assessment Procedure	09 Apr 15
Workgroup Meeting	21 Apr 15
Assessment Procedure Consultation	15 May 15 – 05 Jun 15
Workgroup Meeting	W/B 08 Jun 15
Panel considers Workgroup's Assessment Report	09 Jul 15

Workgroup membership and attendance

P320 Workgroup Attendance		
Name	Organisation	21 Apr 15
Members		
David Kemp	ELEXON (<i>Chair</i>)	✓
Oliver Xing	ELEXON (<i>Lead Analyst</i>)	✓
Gregory Mackenzie	British Gas (<i>Proposer</i>)	✓
Colin Prestwich	SmartestEnergy	✓
Eric Graham	TMA Data Management Ltd	✓
Pete Butcher	SSE	✓
Tim Newton	E.ON	✓
Ian Hall	IMserv	✗
Gavin Somerville	EDF Energy	✓
Matt Keen	Npower	✓
Paul Orr	Scottish Power	✓
Attendees		
Oliver Meggitt	ELEXON (<i>Design Authority</i>)	✓
Kathryn Munday	ELEXON (<i>Design Authority</i>)	✓
Nicholas Brown	ELEXON (<i>Lead Lawyer</i>)	✗
Jeremy Adams-Strump	Ofgem	✓

Appendix 2: Glossary & References

Acronyms

Acronyms used in this document are listed in the table below.

Acronyms	
Acronym	Definition
BUSRR	Business Unit Settlement Risk Rating
DSO	Distribution System Operator (<i>BSC Party</i>)
ECOES	Electricity Central Online Enquiry Service (<i>database</i>)
EFR	Error and Failure Resolution
HH	Half Hourly
LLFC	Line Loss Factor Class
MPAN	Metering Point Administration Number
NHH	Non Half Hourly
PAB	Performance Assurance Board (<i>Panel Committee</i>)
PAF	Performance Assurance Framework
PARMS	Performance Assurance Reporting and Monitoring System
PC	Profile Class
SMRS	Supplier Meter Registration Service
SSC	Standard Settlement Configuration
TAA	Technical Assurance Agent (<i>BSC Agent</i>)

External links

A summary of all hyperlinks used in this document are listed in the table below.

All external documents and URL links listed are correct as of the date of this document.

External Links		
Page(s)	Description	URL
3	P272 page on the ELEXON website	https://www.elexon.co.uk/mod-proposal/p272-mandatory-half-hourly-settlement-for-profile-classes-5-8/
3	Issue 59 page on the ELEXON website	https://www.elexon.co.uk/smg-issue/issue-59-consideration-parms-supplier-charge-changes-introduced-p272-p300/
3	P320 page on the ELEXON website	https://www.elexon.co.uk/mod-proposal/p320/
6	ECOES website	https://www.ecoes.co.uk/