

# CP Consultation Responses



## CP1553 'Tightening the requirements for the minimum accuracy classes for Meters in CoP 5 and Current Transformers in CoPs 3, 5, and 10'

This CP Consultation was issued on 8 November 2021 as part of the November 2021 CPC Batch, with responses invited by 3 December 2021.

### Consultation Respondents

Respondent	No. of Parties/Non-Parties Represented	Role(s) Represented
Scottish Power	1	Distributor
Siemens	1	Supplier Agent
Association of Meter Operators	1	Trade Body
WPD Smart Metering	1	Supplier Agent
Northern Powergrid	1	Distributor

## Summary of Consultation Responses

Respondent	Agree?	Impacted?	Costs?	Impl. Date?
Scottish Power	✓	✓	✓	✗
Siemens	✓	✓	✓	✓
Association of Meter Operators (AMO)	✓	✗	✗	✓
WPD Smart Metering	✓	✗	✗	✓
Northern Powergrid	✓	✓	✓	✗

## Question 1: Do you agree with the CP1553 proposed solution?

### Summary

Yes	No	Neutral/No Comment	Other
5	0	0	0

### Responses

Respondent	Response	Rationale
Scottish Power	Yes	No comments provided
Siemens	Yes	This change is beneficial to us as MOA, as it will force the fitting of more accurate CTs.
AMO	Yes	<p>This has been debated over at least 5 years, it is good to see it finally becoming a formal change.</p> <p>The proposal will reduce the number of TAA non-compliances which have no real risk to settlement.</p> <p>The proposal will improve the accuracy of CT measured sites operating at low load, which many do at some point in their life.</p> <p>The changes may incur marginal increases in procurement costs, but many parties involved in the discussion have already confirmed they are operating to these requirement already.</p>
WPD Smart Metering	Yes	No comments provided
Nothern Powergrid	Yes	For the reasons referenced in the consultation

## Question 2: Do you agree that the draft redlining delivers the CP1553 proposed solution?

### Summary

Yes	No	Neutral/No Comment	Other
4	0	1	0

### Responses

A summary of the specific responses on the draft redlining can be found at the end of this document.

Respondent	Response	Rationale
Scottish Power	Yes	None provided.
Siemens	Yes	None provided.
WPD Smart Metering	Yes	None provided.
Nothern Powergrid	Yes	None provided.

## Question 3: Will CP1553 impact your organisation?

### Summary

High	Medium	Low	None
0	1	1	3

### Responses

Respondent	Response	Rationale
Scottish Power	Low	<p>With the exception of large LV connections (&gt;276 kVA), SSEN already use class 0.5S CTs as these are pre-installed within procured equipment, i.e. pre-commissioned cut-out / metering equipment LV connection or within HV metering units (CoP 3).</p> <p>CTs installed on large capacity LV connections use 'loose' [class 0.5] CTs fitted within customer switchgear which SSEN specify the bus-bar arrangement to permit supply cable termination and CT installation / fault replacement.</p> <p>Initial enquiries with our CT supplier suggest a potential design change (i.e. size) to achieve the revised accuracy class requirement, which may impact customer information (CT Chamber design).</p> <p>Until this is fully understood, the impact is unknown. We continue to work with our CT supplier to understand the impact.</p>
Siemens	Low	<p>We already comply with the meter requirements. We fit a small number of CTs, but these are supplied by a third party so the impact to us is minimal.</p>
AMO	None	No comments provided
WPD Smart Metering	None	No comments provided
Nothern Powergrid	Medium	<p>This change will impact the specification of some metering switchgear we install. Most of our switchgear specification for CTs exceeds the BSC CoPs and has CTs class 0.5s, however, we do have some LV metering circuit breaker specifications in line with current BSC CoP5 i.e. class 0.5. This will need to be updated.</p>

## Question 4: Will your organisation incur any costs in implementing CP1553?

### Summary

High	Medium	Low	None
0	1	2	2

### Responses

Respondent	Response	Rationale
Scottish Power	Low	Cost will be incurred to renew / revise procurement agreements with manufacturers and we expect unit cost increase.  At the time of reply, we have been unable to clarify the cost.
Siemens	Low	No comments provided
AMO	None	No comments provided
WPD Smart Metering	None	No comments provided
Nothern Powergrid	Medium	We will need to update the LV metering circuit breaker specifications referred to in Q3. This will result in an upgrade to the CTs installed in these units which may result in a slightly more expensive unit cost.

## Question 5: Do you agree with the proposed implementation approach for CP1553?

### Summary

Yes	No	Neutral/No Comment	Other
3	2	0	0

### Responses

Respondent	Response	Rationale
Scottish Power	No	Potential issues with procurement agreements may be impacted by the June 2022 implementation.
Siemens	Yes	No comments provided
AMO	Yes	There are other CPs already agreed for June 2022 so this will minimise the level of documentation change.
WPD Smart Metering	Yes	
Nothern Powergrid	No	As this change is part of a bigger review of the CoPs under Issue 93, there may well be other changes to meter and CT switchgear specifications that come out of the review. Therefore, it would make sense to delay the implementation date of this change until the review under Issue 93 is concluded so that all specification changes can be done at once to prevent repeated updates to internal specifications and procurement criteria.

## Question 6: Do you currently have existing stock of Class 0.5 CTs?

### Summary

Yes	No	Neutral/No Comment	Other
2	1	2	0

### Responses

Respondent	Response	Rationale
Scottish Power	Yes	Existing 'loose' stock is class 0.5 and these will continue to be procured, as class 0.5 until procurement agreements have been revised.
WPD Smart Metering	No	No comments provided
Nothern Powergrid	Yes	In the LV metering circuit breakers referred to in Q3 and 4. We do not stock individual CTs.



## Question 7: Do you currently have existing stock of Class 2 Meters?

### Summary

Yes	No	Neutral/No Comment	Other
0	2	3	0

### Responses

Respondent	Response	Rationale
Scottish Power	No	Not applicable for Licensed Distribution System Operator (LDSO).
WPD Smart Metering	No	No comments provided.
Norther Powergrid	Not applicable	No comments provided.

## Question 8: Do you currently have existing stock of Class 0.5s CTs?

### Summary

Yes	No	Neutral/No Comment	Other
2	1	2	0

### Responses

Respondent	Response	Rationale
Scottish Power	No	No loose stock of class 0.5S CTs.
WPD Smart Metering	Yes	No comment provided
Northern Powergrid	Yes	Our integrated metering CT units (Industrial Service Unit (ISU) and Heavy Duty Cut Out (HDCO)) and HV switchgear already contain 0.5s CTs. We do not stock individual CTs

## Question 9: Do you currently have existing stock of Class 1 Meters?

### Summary

Yes	No	Neutral/No Comment	Other
1	1	3	0

### Responses

Respondent	Response	Rationale
Scottish Power	No	No loose stock of class 0.5S CTs.
WPD Smart Metering	Yes	No comment provided

Question 10: Do you think the proposed implementation date provides you with enough time to use up the existing Class 0.5 CTs?

### Summary

Yes	No	Neutral/No Comment	Other
0	2	3	0

### Responses

Respondent	Response	Rationale
Scottish Power	No	With best endeavours, we will aim to meet the implementation date, however a need to change to an alternate CT Supplier will cause delays.  NB. The number of metered connections using 'loose' class 0.5 CTs will be minimal; large capacity (>276 kVA) Low Voltage (LV) connections only.
Northern Powergrid	NO	This is unknown at the moment as we need to check the stock levels of switchgear with class 0.5 CTs.

Question 11: Do you think the proposed implementation date provides you with enough time to use up the existing Class 2 Meters?

### Summary

Yes	No	Neutral/No Comment	Other
0	1	4	0

### Responses

Respondent	Response	Rationale
Scottish Power	No	Not applicable for LDSO
AMO	Neutral	It should be recognised that the apparent chip shortage and supply chain low stock should mean limited stock. If there is a need for temporary extension then a Dispensation could be utilised to allow for stock already held.

## Question 12: Do you have any further comments on CP1553?

### Summary

Yes	No
2	3

### Responses

Respondent	Response	Comments
Scottish Power	No	No comment provided
Siemens	No	No comment provided
AMO	Yes	There are other CPs already agreed for June 2022 so this red-line changes need to be consistent with the already approved changes
WPD Smart Metering	Yes	The Change Proposal is silent on whether there will be a programme to replace existing meters. Is the proposal that from implementation date any legacy meters not compliant will be required to be replaced immediately or is the understanding that meters that are not compliant will be replaced on a rolling programme?
Nothern Power	No	No comment provided

No comment provided on the redline text.