

## CP1453 'Changes to SAA Service Description and SAA URS for P269 systems fix'



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### About This Document

The purpose of this Change Proposal (CP) Consultation for CP1453 is to invite BSC Parties, Party Agents and other interested parties to provide their views on the impacts and the merits of CP1453. The Imbalance Settlement Group (ISG) will then consider the consultation responses before making a decision on whether or not to approve CP1453.

There are five parts to this document:

- This is the main document. It provides details of the solution, impacts, costs, and proposed implementation approach.
- Attachment A contains the CP1453 Proposal Form.
- Attachments B and C contain the proposed redlined changes to deliver the CP1453 solution.
- Attachment D contains the specific questions on which we seek your views. Please use this form to provide your response to these questions, and to record any further views or comments you wish to be considered.

# 1 Why Change?

## What was the intention of P269

Approved Modification [P269 'Prevention of Base Trading Unit BMUs' Account Status Flipping from Consumption to Production \(the "Flipping" mod\)'](#) was implemented on 23 February 2012.

P269 sought to stop the Production/Consumption (P/C) Status of (non-Exempt Export)<sup>1</sup> Supplier BM Units in Base Trading Units 'flipping' from Consumption to Production, if the sum of BM Unit Relevant Capacities<sup>2</sup> in the Base Trading Unit became positive and greater than zero. It was a future-proofing change as, at the time it was progressed, this scenario had not occurred. P269's solution was to fix these BM Units' P/C Status as Consumption regardless of the Base Trading Unit's overall Relevant Capacity.

## What is the issue?

On 1 June 2015, the sum of the BM Unit Relevant Capacities in a Base Trading Unit was greater than zero for the first time. The solution implemented by P269 failed to have its intended effect, and the P/C Status of all (non-Exempt Export) Supplier BM Units in the North Scotland GSP Group 'flipped' from Consumption to Production. We quickly implemented a manual workaround to flip the Base Trading Unit back to Consumption before this could impact BSC Parties' Trading Charges. We are continuing to operate this workaround successfully.

At its meeting on 9 July 2015, the BSC Panel endorsed us undertaking a lessons learned exercise to understand why P269 failed and to identify an enduring solution.

## What caused the failure?

The root cause of P269's failure is that the Settlement Administration Agent (SAA) systems are duplicating the P/C Status calculation performed by the Central Registration Agent (CRA) systems. This duplicated SAA calculation is not described in any SAA documents; this appears to have been a consequence of design decisions taken by the NETA Programme before Go-Live in 2001. The BSC Systems documentation indicates that the CRA is the definitive source of P/C Status, and P269 therefore only amended the CRA systems and documentation. The SAA systems continue to perform their pre-P269 (and incorrect) P/C Status calculation.

The lessons learned exercise concluded that removing the SAA's duplicated functionality entirely would be problematic due to other existing practical limitations within the CRA systems. Attempting to do so would impact both the CRA and the SAA systems and all BM Units (not just those affected by the immediate P269 issue). It would therefore involve increased risk, cost and time.

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<sup>1</sup> Exempt Export BM Units independently choose whether their P/C Status is Production or Consumption.

<sup>2</sup> Based on the BM Units' Generation Capacity (GC) and Demand Capacity (DC) values.

## What is the enduring solution?

ELEXON will implement an enduring fix to the SAA systems on 12 April 2016. This will therefore take effect before the start of the BSC Summer Season on 1 June 2016 (when Relevant Capacities are recalculated and are most likely to exceed zero in the North Scotland Base Trading Unit). This fix will involve:

- Removing, as far as possible, the SAA system's full duplicated, Relevant Capacity-based calculation of P/C Status;
- Retaining some P/C Status determination logic in the SAA systems that, while still duplicating the CRA, uses other interim data from the CRA calculation to minimise the duplication required and ensure that the CRA and the SAA perform identical determinations of P/C Status; and
- Ensuring that the detailed SAA system design and specification documents fully capture the steps followed by the SAA to determine and use P/C Status.

The SAA systems fix will deliver the original intention of P269 as set out in BSC Section K3.5.7. It will remove the need for the workaround and will have no impact on Parties.

Further information on the enduring solution can be found in the P269 lessons learned report which will be presented to the BSC Panel on 14 January 2016 ([Panel 248/06](#)).

### Proposed solution

[CP1453 'Changes to SAA Service Description and SAA URS for P269 systems fix'](#) was raised by ELEXON on 7 January 2016.

As part of implementing the enduring solution, we will ensure that the detailed SAA system design and specification documents fully capture the steps used by the SAA to determine and use P/C Status.

With the exception of the SAA Service Description and the SAA User Requirements Specification (URS), the affected systems documents are not Configurable Items and so we will update these in parallel with the system changes. As the SAA Service Description and URS are Configurable Items, we have raised this CP to progress the necessary changes to them.

For the avoidance of doubt, this CP is a consequential change as a result of the P269 systems fix. The actual fix to the central BSC Systems is separate to this CP.

### Proposer's rationale

Changes are required to the SAA Service Description and the SAA URS to document the SAA's determination and use of P/C Status.

#### CP Consultation Question

Do you agree with the CP1453 proposed solution?

*Please provide your rationale.*

[We invite you to give your views using the response form in Attachment D](#)

### Proposed redlining

Attachments B and C contain the proposed changes to the [SAA Service Description](#) and [SAA URS](#) to deliver CP1453.

The SAA Service Description and SAA URS set out high-level business requirements. We have avoided duplicating a full description of the P/C Status rules in these documents, as these are already set out in the CRA Service Description and CRA URS. Instead, we have captured the requirement for the SAA to determine P/C Status using the same rules as the CRA (cross-referencing the relevant CRA Configurable Items), while leaving it to the lower-level system documents to describe in detail how the SAA systems achieve this. This will ensure that any future proposed changes to the P/C Status rules do not miss the need to amend the SAA as well as the CRA systems and documents.

We have also amended the SAA Service Description and SAA URS to include a requirement reflecting how the SAA uses P/C Status to allocate volumes as part of the Credited Energy Volume calculation. This remains unchanged in the systems themselves but we have captured the requirement for completeness as it is not currently included in these documents.

### CP Consultation Question

Do you agree that the draft redlining delivers the CP1453 proposed solution?

*If 'No', please provide your rationale.*

We invite you to give your views using the response form in Attachment D

## 3 Impacts and Costs

### Central impacts and costs

CP1453 requires changes to the SAA Service Description and SAA URS.

No system changes are required as part of this CP. The central implementation costs for CP1453 will be approximately £240 (one ELEXON man day) to implement the relevant document changes. The [P269 lessons learned report](#) details the implementation costs for the actual fix to the central BSC Systems, which is separate to this CP.

Central Impacts	
Document Impacts	System Impacts
<ul style="list-style-type: none"><li>• SAA Service Description</li><li>• SAA URS</li></ul>	<ul style="list-style-type: none"><li>• <i>None</i></li></ul>

### BSC Party & Party Agent impacts and costs

#### Participant impacts

The system fix delivers the original intention of P269. As it does not change the BSC's existing rules regarding P/C Status, BSC Parties and Party Agents need take no action. As CP1453 simply documents the high-level SAA requirements to support this, we do not expect it to impact any BSC Parties or Party Agents but we seek confirmation of this through this CP Consultation.

CP Consultation Questions
Will CP1453 impact your organisation? <i>If 'Yes', please provide a description of the impact(s) on your organisation and any activities which you will need to undertake between the approval of CP1453 and the CP1453 Implementation Date (including any necessary changes to your systems, documents and processes). Where applicable, please state which of the roles that you operate as will be impacted and any differences in the impacts between each role.</i>
Will your organisation incur any costs in implementing CP1453? <i>If 'Yes', please provide details of these costs, how they arise and whether they are one-off or on-going costs.</i>
We invite you to give your views using the response form in Attachment D

## 4 Implementation Approach

### Recommended Implementation Date

CP1453 is proposed for implementation as a standalone change on **12 April 2016**. This is to align with the date of the central BSC Systems fix to deliver the original intention of P269.

#### CP Consultation Question

Do you agree with the proposed implementation approach for CP1453?

*Please provide your rationale.*

We invite you to give your views using the response form in Attachment D

## Appendix 1: Glossary & References

### Acronyms

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

Acronyms	
Acronym	Definition
BM	Balancing Mechanism
BSC	Balancing and Settlement Code ( <i>industry Code</i> )
CP	Change Proposal
CPC	Change Proposal Circular
CRA	Central Registration Agent
DC	Demand Capacity
GC	Generation Capacity
ISG	Imbalance Settlement Group ( <i>Panel Committee</i> )
P/C	Production/Consumption
SAA	Settlement Administration Agent
URS	User Requirements Specification

### 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
2	P269 page on the ELEXON website	<a href="https://www.elexon.co.uk/mod-proposal/p269-prevention-of-base-trading-unit-bmus-account-status-flipping-from-consumption-to-production-the-flipping-mod/">https://www.elexon.co.uk/mod-proposal/p269-prevention-of-base-trading-unit-bmus-account-status-flipping-from-consumption-to-production-the-flipping-mod/</a>
3	BSC Panel page on the ELEXON website (Panel paper 248/06)	<a href="https://www.elexon.co.uk/meeting/bsc-panel-248/">https://www.elexon.co.uk/meeting/bsc-panel-248/</a>
4	CP1453 page on the ELEXON website	<a href="https://www.elexon.co.uk/change-proposal/cp1453/">https://www.elexon.co.uk/change-proposal/cp1453/</a>
4	Service Descriptions page on the ELEXON website	<a href="https://www.elexon.co.uk/bsc-related-documents/related-documents/service-descriptions/">https://www.elexon.co.uk/bsc-related-documents/related-documents/service-descriptions/</a>
4	User Requirements Specification page on the ELEXON website	<a href="https://www.elexon.co.uk/bsc-related-documents/related-documents/user-requirement-specifications/">https://www.elexon.co.uk/bsc-related-documents/related-documents/user-requirement-specifications/</a>

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