

CP1424 'Amending the requirement for Data Aggregators to perform Full SMRS Refreshes'

ELEXON



Any questions?

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About This Document

The purpose of this Change Proposal (CP) Consultation is to invite BSC Parties, Party Agents and other interested parties to provide their views on the impacts and the merits of CP1424. The Supplier Volume Allocation Group (SVG) will then consider the consultation responses before making a decision on whether or not to approve CP1424.

There are six parts to this document:

- This is the main document. It provides details of the solution, impacts, costs, and proposed implementation approach. It also summarises the SVG's initial views on the proposed changes.
- Attachment A contains the CP1424 Proposal Form.
- Attachments B-D contain the proposed redlined changes to deliver the CP1424 solution.
- Attachment E 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.

CP1424
CP Consultation

8 December 2014

Version 1.0

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1 Why Change?

Background

Non Half Hourly (NHH) and Half Hourly (HH) Data Aggregators (DAs) have expressed concern around the ongoing mandatory requirement for annual SMRS Refreshes and their associated performance impacts. Refresh instructions are often too large to send over the Data Transfer Network (DTN) and have to be sent on hard disks, which may entail additional work for some Supplier Meter Registration Agents (SMRAs). When applying a Refresh instruction, DAs are also required to suspend all other instruction processing from the point at which the SMRA issued the file.

Participants believe that overall data quality has improved to the extent that full SMRS Refreshes deliver limited benefit to Settlement. The level of inconsistencies between NHHDA/HHDA databases and the SMRS is such that most inconsistencies can be addressed more efficiently by selective (i.e. Metering System-specific) Refreshes.

What is the issue?

NHHDA and HHDA have expressed concern that the current mandatory process for SMRS Refreshes has led to an increase in the time required and level of operational disruption caused by applying full SMRS Refresh instructions, particularly for those agents operating in multiple SMRA areas.

This issue has been considered by the Software Technical Advisory Group (STAG) following ELEXON's concern that the SMRS Refresh process introduces significant delays for DAs in normal instruction processing. ELEXON notes that at the point where the SMRA generates the D0209 'Instruction(s) to Non Half Hourly or Half Hourly Data Aggregator' flow, DAs have to suspend all other instruction processing until the Refresh has been received, tested and applied. This means that subsequent 'business as usual' D0209 flows from that SMRA received after the Refresh date have to be queued until after the Refresh has been applied, in order to preserve the correct sequence of instructions. Where a Refresh is too large for the DTN and has to be sent on a hard disk, this can mean a suspension of D0209 flows processing for a period of two weeks or more, and means that Settlement is likely to drift out of alignment until the backlog of unprocessed instructions have been cleared.

Proposed solution

[CP1424 'Amending the requirement for Data Aggregators to perform annual full SMRS Refreshes'](#) proposes that, rather than Refreshes being performed for all agents and all SMRAs at regular intervals, indicators of material Settlement errors will be the trigger instead, such as D0095 'Non Half Hourly Data Aggregation Exception Report' and D0023 'Failed Instructions' flows. CP1424 will apply to both NHHDA and HHDA.

Analysis to date has shown that, for one recent Party Agent, close to 98% of the changes made by the Refresh instruction were non-material, resulting only in minor changes to the Effective From Dates of certain fields (mainly GSP Group and LLF Class (LLFC)). Therefore, a shift to monitoring material errors is more in keeping with other forms of performance assurance carried out by ELEXON.

The new approach will be similar to the conditional application of the Dispute Final Settlement Run (DF) process for erroneously large Estimated Annual Consumption (EAC)/Annualised Advances (AA) Disputes, where Refreshes will be mandated only where the level of error in a particular GSP Group or SMRA area is considered to be excessive. SMRAs can raise concerns about the quality of SMRS data held by DAs and propose a Refresh, although the final determination as to whether the requirements have been met for exiting or invoking mandatory SMRS Refreshes will be made by ELEXON and the Performance Assurance Board (PAB).

ELEXON does not propose to use a pre-determined level of exceptions or quantity of MPANs, but simply to consider a full SMRS Refresh as one of a set of resolution options where Settlement accuracy is believed to be affected. For example, a BSC Audit could identify an increase in the number of D0095s or D0023s in a particular GSP group, or the Auditor may observe common exceptions across multiple NHHDA for the same SMRA (or vice versa). In these cases, ELEXON would request a full Refresh(es) where it believed, after consultation with the SMRA and/or NHHDA in question, that it was needed to address the performance issue.

SMRAs and DAs will still be able to agree bilaterally to do periodic Refreshes at a time that is convenient to both parties. ELEXON or the PAB may also request a Refresh on an ad-hoc basis if there are indications through the observed number of D0095 or D0023 flows that there may be inaccuracies in the underlying SMRS data. In transitioning to the new arrangements, ELEXON will aim to ensure that DAs and SMRAs are satisfied that the data is sufficiently aligned prior to cessation of mandatory SMRS Refreshes.

CP Consultation Question

Do you agree with the CP1424 proposed solution?

Please provide your rationale.

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

Proposed redlining

The proposed changes to BSCP501 'Supplier Meter Registration Service', BSCP503 'Half Hourly Data Aggregation for SVA Metering Systems Registered in SMRS' and BSCP505 'Non Half Hourly Data Aggregation for SVA Metering Systems Registered in SMRS' to deliver CP1424 can be found in Attachments B, C and D.

CP Consultation Question

Do you agree that the draft redlining delivers the CP1424 proposed solution?

If 'No', please provide your rationale.

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

3 Impacts and Costs

Central impacts and costs

Central impacts

CP1424 will require updates to BSCP501, BSCP503 and BSCP505 to implement the proposed solution. No system changes will be required for this CP.

Central Impacts	
Document Impacts	System Impacts
<ul style="list-style-type: none">• BSCP501• BSCP503• BSCP505	<ul style="list-style-type: none">• None

Central costs

The central implementation costs for CP1424 will be approximately £240 (1 man day) for ELEXON to implement the relevant document changes. There are no BSC Agent costs or impacts.

BSC Party & Party Agent impacts and costs

Participant impacts

CP1424 is expected to impact HHDAs, NHHDAAs and SMRAs. We believe that minor process changes will be required to implement the solution but this will be confirmed as part of the CP Consultation.

Participant Impacts	
Participant	Impact
HHDAs	Changes will be required to implement the solution.
NHHDAAs	
SMRAs	

CP Consultation Questions

Will CP1424 impact your organisation?

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 CP1424 and the CP1424 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.

Will your organisation incur any costs in implementing CP1424?

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

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

4 Implementation Approach

Recommended Implementation Date

CP1424 is proposed for implementation on **25 June 2015** as part of the June 2015 BSC Systems Release, as this is the next available Release.

CP Consultation Question

Do you agree with the proposed implementation approach for CP1424?

Please provide your rationale.

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

5 Initial Committee Views

SVG's initial views

The SVG considered CP1424 at its meeting on 2 December 2014 ([SVG166/04](#)). The SVG had no initial comments on the proposed changes.

Appendix 1: Glossary & References

Acronyms

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

Glossary of Defined Terms	
Acronym	Definition
AA	Annualised Advances
BSCP	Balancing and Settlement Code Procedure (<i>document</i>)
CP	Change Proposal
CPC	Change Proposal Circular
DA	Data Aggregator (<i>Party Agent</i>)
DF	Dispute Final Run (<i>Settlement Run</i>)
DTN	Data Transfer Network
EAC	Estimated Annual Consumption
GSP	Grid Supply Point
HH	Half Hourly
LLF	Line Loss Factor
LLFC	Line Loss Factor Class
NHH	Non Half Hourly
PAB	Performance Assurance Board (<i>Panel Committee</i>)
SMRA	Supplier Meter Registration Agent
SMRS	Supplier Meter Registration Service
STAG	Software Technical Assurance Group (<i>Panel Sub-Group</i>)
SVA	Supplier Volume Allocation
SVG	Supplier Volume Allocation Group (<i>Panel Committee</i>)

DTC data flows and data items

DTC data flows and data items referenced in this document are listed in the table below.

DTC Data Flows and Data Items	
Number	Name
D0023	Failed Instructions
D0095	Non Half Hourly Data Aggregation Exception Report
D0209	Instructions to Non Half Hourly or Half Hourly Data Aggregators

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	CP1424 page on the ELEXON website	http://www.elexon.co.uk/change-proposal/cp1424/
4	BSCPs page on the ELEXON website (BSCP501, BSCP503, BSCP505)	http://www.elexon.co.uk/bsc-related-documents/related-documents/bscps/