

National Grid draft document

Project	BSC modification P354 - ABSVD for Imbalance Adjustment	
Document	<u>High-level</u> Business Requirements Document (BRD)	
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Requirements Overview

This Modification was proposed by a BSC Participant, who identified a defect in the current arrangements for notifying ABSVD (Applicable Balancing Services Volume Data), which is a methodology that sets out the information on Applicable Balancing Services that is taken into account under the BSC for the purposes of determining Imbalance Volumes for imbalance adjustment.

The proposed solution is that National Grid, as System Operator, is to provide ABSVD at the MPAN (Metering Point Administration Number) level. The SAA (Settlement Administration Agent) would then allocate this to the appropriate Supplier BM (Balancing Mechanism) Unit.

Each point of entry and exit onto a Distribution System Operator's distribution system has an associated Metering Point, and each Metering Point has an associated Administration Number (MPAN) and Metering System Identifier (MSID). MPAN is the term used in the Master Registration Agreement (MRA), while the BSC uses the term MSID.

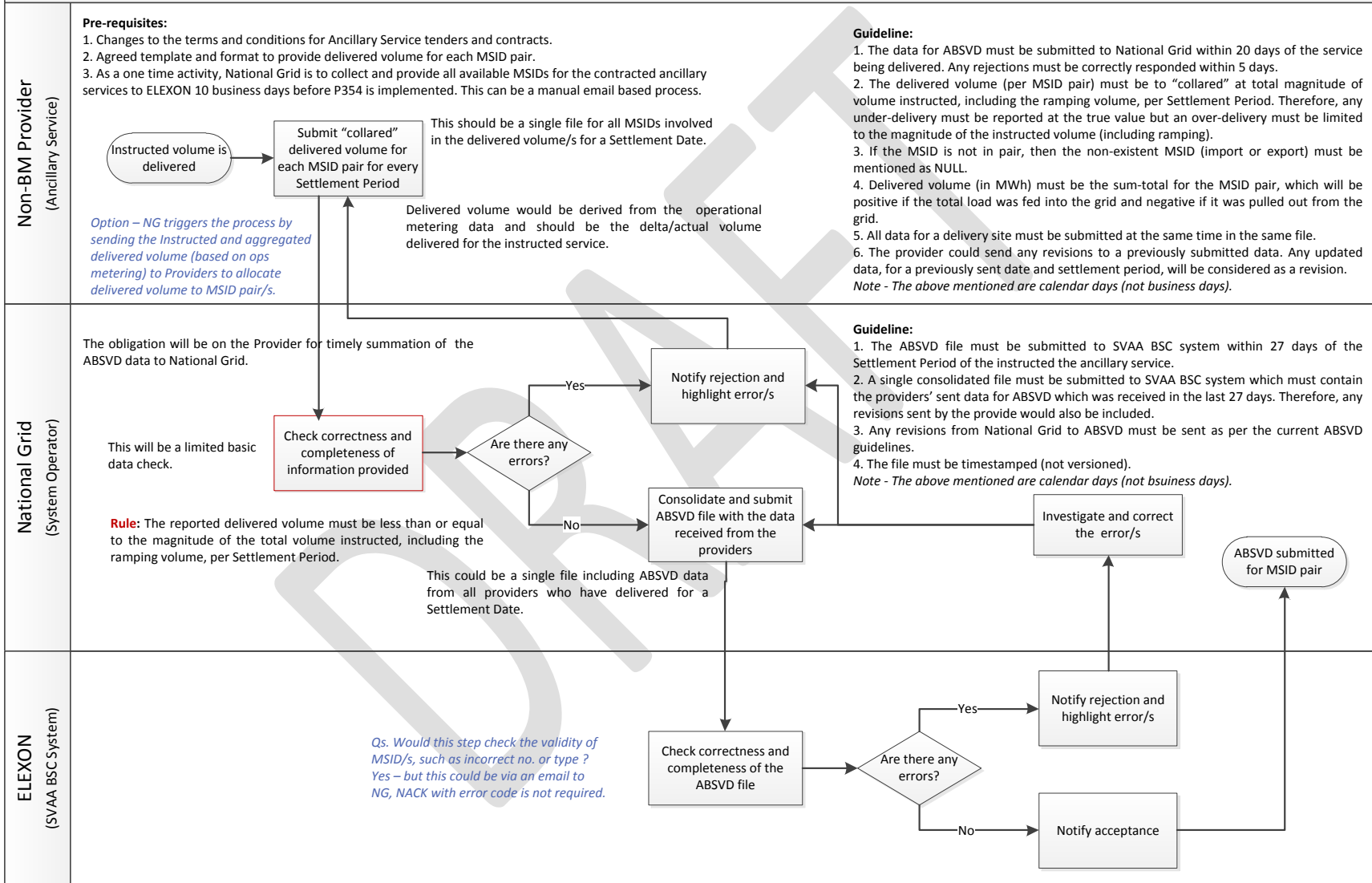
NOTE - This is a draft requirements document for BSC Modification P354/ C16 changes. The final requirements are subject to the detail impact assessments, progression of P354 proposed solution in the workgroup consultations and finally, approval of Ofgem.

Proposed To-Be process

The following is the draft To-Be process flow at a high level, which is based on the discussions and inputs received from the C16/P354 Workgroup meetings held so far.

P354 – ABSVD at MSID level – preferred solution (draft)

version 0.7



Business Requirements

The following business requirements (including responsibilities and timelines) are initial draft, and their confirmation is subject to the outcomes of P354 workgroup consultation and the detail impact assessment by the impacted parties. Also, at this stage, these requirements must be considered agnostic to any particular balancing service, Non-BM Provider type, IT system and level of automation.

BR-001 Submit MSIDs in bulk

Responsibility - Non-BM Provider/s, National Grid, ELEXON

BR-001.01 Non-BM Providers **must** submit all available MSIDs for the contracted ancillary services to National Grid, by providing following data, 15 calendar days before P354 implementation.

Contract ID	Delivery site ID	Import MSID No.	Export MSID No.
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BR-001.02 National Grid **must** consolidate all Non-BM Providers' submitted MSIDs in a single file and submit it to ELEXON by providing following data, 10 calendar days before P354 implementation.

Import MSID No.	Export MSID No.
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Note - This requirement (BR-001) is considered a one-time activity to allow ELEXON to feed as many MSIDs in their system as possible before P354 is implemented. This can be a manual e-mail based process. Any future changes to the MSIDs can be reported in the ABSVD file, as covered in the following requirements, and will not need any pre-notification to ELEXON.

BR-002 Instructed and delivered volume at contract level

Responsibility - National Grid

BR-002.01 National Grid **would** submit the instructed volume (in MWh) and delivered volume (in MWh) at the contract level for the Settlement Date and Period to the respective Non-BM Provider.

BR-002.02 If BR-002.01 is decided to be implemented then National Grid **must** submit the indicative instructed and delivered volume data to the respective Non-BM Provider within 5 calendar days of the ancillary service being instructed.

Note - It is assumed that the operational metering data would be presented by the Non-BM Providers to National Grid on a near real-time basis. Also, BR-002 is an optional requirement which will be evaluated further during detail impact assessment and solution design.

BR-003 Submit ABSVD data for MSID pair

Responsibility - Non-BM Provider

The obligation for timely submission of the ABSVD data to National Grid will be on the Non-BM Provider. It will be included in the contractual terms and will be governed under the Electricity Balancing guidelines.

BR-003.01 The ABSVD data for each MSID pair **must be** submitted to National Grid by providing following data.

Contract ID	Delivery site ID	Settlement Date (GMT)	Settlement Period	Dispatch ID	Service Type	Import MSID No.	Export MSID No.	Delivered Volume (MWh)
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BR-003.02 The MSID pair **must** always consist of an Import and Export metering point.

BR-003.03 If the MSID is not in a pair, then the non-existent MSID (import or export) must be mentioned as NULL.

BR-003.04 The Delivered Volume **must be** collared for each MSID pair per Settlement Period.

Collared volume is the total magnitude of the instructed and ramping volume delivered as part of the ancillary service. It is the contracted volume against which the utilisation fee is paid. Therefore, any under-delivery should be collared at the true value but an over-delivery should be limited to the magnitude of the instructed volume (including ramping).

BR-003.05 The Delivered volume (in MWh) **must** be the sum-total for the MSID pair, which would be positive if the total load was fed into the grid and negative if it was pulled out from the grid.

BR-003.06 The ABSVD data **must** be submitted to National Grid within 30 calendar days of the service being delivered. Any rejections must be correctly resubmitted within 5 calendar days.

BR-003.07 The ABSVD data file **must** be time-stamped (not versioned).

BR-003.08 All data for a delivery site **must** be submitted at the same time in the same file.

BR-003.09 The ABSVD data for a certain period **could** be consolidated into a single file which is submitted to National Grid.

BR-003.10 Any revisions to a previously submitted data **could** be consolidated in the same file along with the ABSVD data for the recently delivered volume/s.

Note - Any updated data, for a previously sent Settlement Date and Period, will be considered as a revision and will always be passed on to ELEXON by National Grid, even if the settlements window of 14 months for that Settlement Period has lapsed.

BR-004 Check ABSVD data

Responsibility - National Grid

BR-004.01 The ABSVD data submitted by the Non-BM Provider **must** be checked for following:

1. File structure is correct
2. Data provided is in correct format
3. Delivered volume for MSID par/s is collared correctly

Note - If any errors are found in, reject ABSVD data and progress to BR-004.02, otherwise progress to BR005.01.

BR-004.02 In case an error is found, the respective Non-BM Provider **must** be notified of the ABSVD file being rejected and the error within 5 calendar days of receiving the ABSVD data.

Note - As mentioned in BR-002.06, the Non-BM Provider is expected to re-submit the correct ABSVD data within 5 calendar days of receiving the error notification by National Grid.

BR-005 Submit ABSVD file for MSID pair

Responsibility - National Grid

BR-005.01 If the ABSVD data is found to be correct (refer BR-003), it **must** be consolidated into a single ABSVD file for submission to ELEXON by providing following data.

Settlement Date (GMT)	Settlement Period	Import MSID No.	Export MSID No.	Delivered Volume (MWh)
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BR-005.02 The ABSVD data for all Non-BM Providers' sent data in the last 45 calendar days **could** be consolidated in a single ABSVD file for submission to ELEXON.**BR-005.03** The ABSVD file **must** be submitted to ELEXON's SVAA BSC system within 45 calendar days of the Settlement Period of the instructed the ancillary service.**BR-005.04** The ABSVD file **must** be time-stamped (not versioned).**BR-005.05** Any revisions from National Grid to ABSVD **must** be sent as per the current ABSVD guidelines.**BR-005.06** Any ABSVD file rejections and error notification from ELEXON **must** be investigated and corrected before re-submission.

Note - Any ABSVD file re-submission, involving further inputs from Non-BM Provider/s, **should** be completed within reasonable timeframe.

BR-006 Check ABSVD file

Responsibility - ELEXON

BR-006.01 The ABSVD file submitted by the National Grid **must** be checked for following:

1. File structure is correct
2. Data provided is in correct format
3. MSID No. and Type are correct

BR-006.02 In case an error is found, National Grid **must** be notified of the ABSVD file being rejected and the error within 5 calendar days of receiving the ABSVD file.**BR-006.03** If the ABSVD file is found to be correct, progress to the remainder of the process for imbalance volume calculation and adjustment.

DRAFT

Document Information

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Document History

Version	Author	Date	Remark
0.1	Rituraj Saikia	17-Oct-2017	Initial draft.
0.2	Rituraj Saikia	09-Nov-2017	For external distribution.
0.3	Rituraj Saikia	10-Nov-2017	Updated the Data fields to be received.
0.4	Rituraj Saikia	16-Nov-2017	Updated from D+27 to D+45 days.