

Accuracy of System Management Action Flagging

May 2017 – April 2018

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Introduction

This report reviews the accuracy of the P217A flagging mechanism for the period 1st May 2017 – 30th April 2018, in accordance with the System Management Action Flagging (SMAF) methodology.

The purpose of P217A flagging is to remove actions that are taken by National Grid Electricity Transmission (NGET) for system management issues from the cash out calculations of imbalance prices.

The P217A flagging mechanism came into operation on 5th November 2009. From 5th November 2015 the scope of system management issues that were subjected to P217A flagging was broadened to include:

- Balancing actions used by National Grid primarily to manage the Rate of Change of Frequency (RoCoF), or to manage Fault Levels
- Automatic Low Frequency Demand Disconnection relay demand control action

To assess the accuracy of flagging, a statistical overview of Data Inquiry Reports (DIRs) produced during May 2017 – April 2018 is provided. A DIR is raised by the Control Room, or by post event analysis, or by market participants, when they are aware that the flagging of BOAs (Bid Offer Acceptances) for system (or energy) issues have been incorrectly set.

From June 2014 any flags associated with actions in the Balancing Mechanism (BM) can be retrospectively updated in settlements systems. This is carried out for actions on which DIRs have been raised or where an error has been identified.

Highlights

During the reporting period a total of 440,273 BOAs were accepted, where 94,928 BOAs were given P217A flags, representing 21.56% of the total accepted BOAs.

A table containing a monthly breakdown of total accepted BOAs, total BOAs P217A flagged and the percentage of BOAs flagged is shown below in Table 1.

Month & Year	Total Number of BOAs Accepted	Total Number of BOAs P217A Flagged	% BOAs Flagged to P217A
May-2017	27294	3023	11.08%
Jun-2017	37740	13773	36.49%
Jul-2017	33614	8795	26.16%
Aug-2017	34142	9034	26.46%
Sep-2017	33371	6873	20.60%
Oct-2017	47060	16344	34.73%
Nov-2017	42839	9435	22.02%
Dec-2017	40878	8358	20.45%
Jan-2018	40122	6494	16.19%
Feb-2018	32835	3299	10.05%
Mar-2018	36973	4197	11.35%
Apr-2018	33405	5303	15.87%
Total:	440273	94928	21.56%

Table 1: Monthly breakdown of total accepted BOAs

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There were 157 DIRs raised in the reporting period, which led to a total of 687 BOAs being subjected to the BSCP18 process.

The majority of system flag amendments were for BOAs that should've been system flagged, but went through as energy. There were 7 DIRs raised for BOAs that should've been energy flagged, but went through as system, which involved a total of 19 BOAs.

Overall, 0.7% of the P217A BOAs flagged in the reporting period were the subject of a DIR process, giving a potential P217A flagging accuracy of 99.3%.

This report is under continuous review and development, if you have any comments or suggestions of information you would like to see in the future reports, please send an Email to:

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