ELEXON

DECEMBER 2020 STANDALONE RELEASE PARTICIPANT TESTING

Strategy and Test Plan

Public

Contents

Purpose and Overview

This document specifies Elexon's industry test approach and plan used to verify the quality of changes taking place during the December Standalone 2020 Systems Release.

There are two changes in scope for the December 2020 Standalone Release:

● P408 – Grid Code Modification GC0130
● CP1535 - North Sea Link (NSL) Interconnector to the BMRS

Modification P408 Scope of Change

Grid Code Modification GC0130 "OC2 Change for simplifying 'output useable' data submission and utilising REMIT data drives the Modification P408 change. This modification changes the way in which generators' outage and availability data is submitted to National Grid Electricity System Operator (ESO), and then published to the BMRS by NGESO.

As part of this change, the data flows from NGESO to BMRA will change. A number of certain input file types in the below table marked in red will be discontinued and new file types in Green will be introduced. In addition, instead of the current situation with some flows being sent daily and some only being sent twice a year, all data will be sent at least once a day, potentially up to once an hour. The formats of the data files will be largely unchanged.

File Type	2-14 day	2-49 day	2-52 week	1 year	2 year	3 year	4 year	5 year	2-156 week
National Output Usable	NOU2T14D Unchanged	NOU2T49D Already Obsolete	NOU2T52W Unchanged	NOU1Y Delete	NOU2Y Delete	NOU3Y Delete	NOU4Y Delete	NOU5Y Delete	NOU2T3YW New
Zonal Output Usable	ZOU2T14D Delete	ZOU2T49D Already Obsolete	ZOU2T52W Delete	ZOU1Y Delete	ZOU2Y Delete	ZOU3Y Delete	ZOU4Y Delete	ZOU5Y Delete	
National Surplus	OCNMFD Unchanged		OCNMFW Unchanged						OCNMF3Y New
National Margin	OCNMFD2 Unchanged		OCNMFW2 Unchanged						OCNMF3Y2 New
Output Usable by Fuel Type	FOU2T14D Unchanged		FOU2T52W Unchanged						FOU2T3YW New
Output Usable by BMU & Fuel Type	UOU2T14D Unchanged		UOU2T52W Unchanged						UOU2T3YW New
National Demand	NDFD Unchanged		NDFW Unchanged						
Transmission System Demand	TSDFD Unchanged		TSDFW Unchanged						

P408 Test Scope

The following diagram summarises the data flow for P408:

P408 New File Data for 2-156 Weeks Ahead

Below are the new file types introduced as part of the P408 change. The data resulting from these files can be accessed from the BMRS Website, APIs, TIBCO and Data Push Service.

File Type	2-156 week
National Output Usable	NOU2T3YW
National Surplus	OCNMF3Y
National Margin	OCNMF3Y2
Output Usable by Fuel Type	FOU2T3YW
Output Usable by BMU and Fuel Type	UOU2T3YW

Additional Testing for P408

Since the following data types are introducing additional 2-156 week data, please test these to confirm that existing '2-14 days' and '2-52 week' outputs are working as expected.

File Type	2-14 Days	2-52 week
National Output Usable	✓	✓
National Surplus	✓	✓
National Margin	✓	✓
Output Usable by Fuel Type	✓	✓
Output Usable by BMU & Fuel Type	✓	✓

Using API for Testing

For API Users, please refer to the table below for the list of new APIs for P408. For more details, please refer to the December 2020 Standalone Release webpage.

File Type New Change	File Data
New National Output Useable Data (NOU2T3YW)	2-156 Weeks Ahead
New National Surplus and Demand (OCNMF3Y and OCNMF3Y2)	2-156 Weeks Ahead
New National Output Useable by Fuel Type and BM Unit (UOU2T3YW)	2-156 Weeks Ahead

CP1535 Scope of Change

CP1535 adds data relating to the North Sea Link (NSL) Interconnector to the BMRS. CP1535 will also enable the withdrawal of the CP1516 interim solution to incorporate data from the IFA2 and ElecLink Interconnectors on the BMRS.

For the Generation by Fuel Type webpage, BMRS users can view the data relating to individual interconnectors separately.

In addition, a new Bidding Zone ('Norway 2') has been introduced, into which INTNSL data will be incorporated for various output.
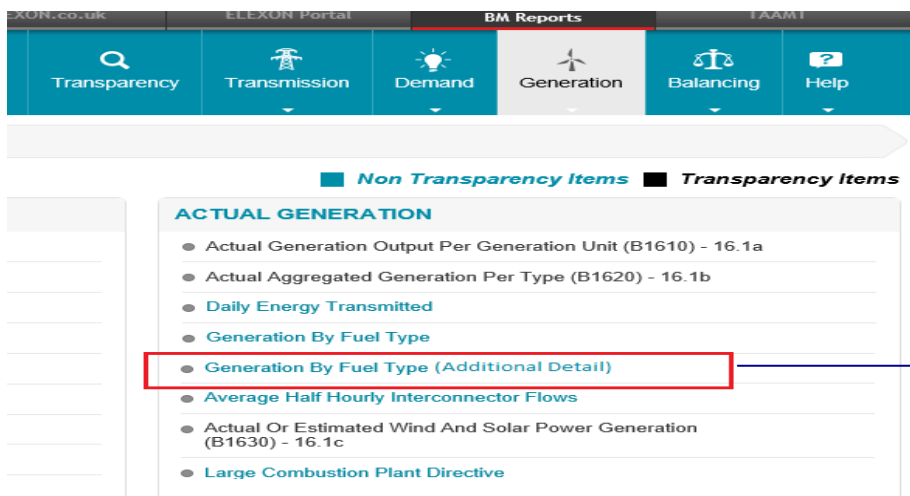
CP1535 Test Scope

The following table lists the Interconnector Fuel Type and the Bidding Zone to which that data relates. The new changes are marked in Red.

Interconnector	Identifier	Bidding Zone
France (IFA)	INTFR	France
Northern Ireland (Moyle)	INTIRL	Ireland
Netherlands (BritNed)	INTNED	Netherlands
Ireland (East-West)	INTEW	Ireland
Belgium (Nemolink)	INTNEM	Belgium
France (Eleclink)	INTELEC	France
France (IFA2)	INTIFA2	France
Norway (North Sea Link)	INTNSL	Norway 2

Review changes to BMRS Pages

A number of the BMRS web pages will be modified and the following sub sections provide each of the pages that will be updated and their specific changes.

● The 'Generation by Fuel Type (Additional Detail)' page will not be accessible from the BM reports website anymore, please refer to Generation by Fuel Type page.
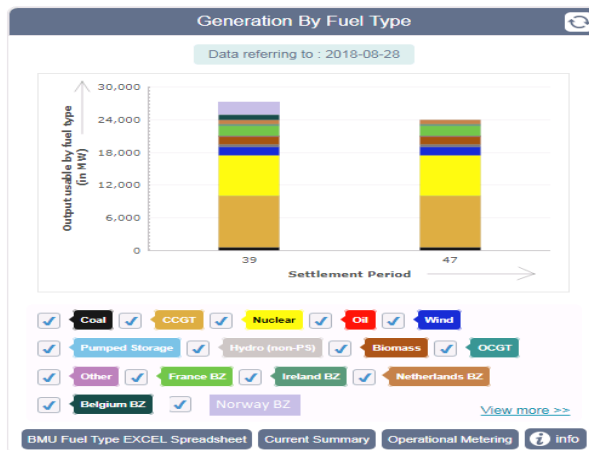
December 2020 Standalone Release Participant Testing

- On the Generation by Fuel Type page, the three new Interconnectors INTELEC, INTIFA2 and INTNSL will be appended at the end of the data displayed.

- The graph on the Electricity Data Summary – Generation By Fuel Type will be enhanced to display the additional Generation data referring to the new Bidding Zone 'Norway 2 BZ' for the new Norwegian Interconnector.

Using API for Testing

For API users, the table shows the list of APIs the new ones as well as the impacted one. For more details, please refer to the December 2020 Standalone Release.

File Type Impacted / New Change	File Data
Impacted National Output Useable by Fuel Type (FOU2T14D)	2-14 days
Impacted National Output Useable by Fuel Type and BM Unit (UOU2T14D)	2-14 days
Impacted National Output Useable by Fuel Type and BM Unit (UOU2T52W)	2-52 Weeks Ahead
New National Output Useable Data (NOU2T3YW)	2-156 Weeks Ahead
New National Surplus and Demand (OCNMF3Y and OCNMF3Y2)	2-156 Weeks Ahead
New National Output Useable by Fuel Type and BM Unit (UOU2T3YW)	2-156 Weeks Ahead

Dates for Industry Testing (with Participants)

Industry Participants who would like to take part in this testing for December 2020 Standalone Release, please send your confirmation to releases@elexon.co.uk with your details and contact person from your organisation by 29 October 020

The proposed testing dates are between **5 November 2020** and **11 November 2020**. Exact dates will be confirmed upon request to participate in testing.

Defect Management Approach

During Participant testing any defect/observations found, please send an email to Elexon (releases@elexon.co.uk) in the format below with the subject 'December 2020 Standalone Release Defects/ Observation'.

Defect/Observation detail	Expected behaviour	Actual behaviour	Steps to reproduce including screen shots

●   Defects should have a brief description with screenshots
●   Provide necessary steps to reproduce defect/observation

Defects will be triaged and once defects fix you might be asked to retest the defects