IMPACT ASSESSMENT FOR THE OUTAGE OF THE LINE DOEL-ZANDVLIET

Brussels, 12/01/2021 14:00

CONTEXT

In the CWE Consultative Group, accordingly to the market message on 11/11/2019 it was agreed that TSOs would perform a Light Standard Procedure for Assessing the Impact of Changes (Light SPAIC) for commissioning of new intern grid element.

A Light SPAIC analysis consists of a comparison of flow-based domains for 7 typical “reference” days, selected by the relevant TSO(s) in the period between 12 and 8 weeks preceding the outage, in order to estimate the impact of a change in grid topology.

Elia plans the outage the 380kV line between the Doel and Zandvliet substations from 01/02/2021 until 19/03/2021.

This document provides some background to the results of the performed Light SPAIC analysis.

In line with the CWE Light SPAIC methodology, the analysis made here gives the relevant Flow-Based parameters of the historical FB domain and the domain obtained by updating the historical grid with the planned outage.

Element Name	EIC
Doel – Zandvliet 380kV 380.26	/

1. Methodology

The following results are simulated and published:

1. The new pre-solved Flow-Based domains and CBCOs, corresponding with the most probable grid topology (when writing this document) during the outage period applied to all reference days;

The data of the simulation results is joined to this document.

2. Published datasets

The table below summarizes the standard outputs of a SPAIC analysis that were agreed upon, including a reference to the joined datasets indicating where the corresponding information can be found.

#	Expected output	Description	Dataset
1	Description change and features of the typical days	A qualitative description of the foreseen change, period and expected high-level impact resulting from this A description of the main quantitative features of the 7 typical days	• Foreseen change: Cover note • Description of the typical days: Dataset 5
2A	Capacity calculation indicators Dataset *historical benchmark* • 24 PTDF matrixes + RAM for each typical day and for all fixed labels • Min/max Net positions • volume	This is the dataset that is used as a reference for the change that is subject of the change	• PTDF matrices + RAM: Dataset 1 – Sheet “2A - Historical” • Min/Max NP: Dataset 2 – Sheet “2A - Historical” • Volume: Dataset 3 – Sheet “2A - Historical”
2C	Capacity calculation indicators Dataset *including change* • 24 PTDF matrixes + RAM for each typical day and for all fixed labels • Min/max Net positions • volume	This is the dataset that includes the change that is subject of the impact assessment	• PTDF matrices + RAM: Dataset 1 – Sheet “2C - SPAIC” • Min/Max NP: Dataset 2 – Sheet “2C - SPAIC” • Volume: Dataset 3 – Sheet “2C - SPAIC”