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CLASSIFICATIE C1 - Publieke Informatie
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CONCERNING Light SPAIC DIM-LLS W

1. Background

In the CWE Consultative Group, according 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 grid outages with a duration exceeding 6 weeks.

A Light SPAIC involves the following steps:

- Selection of seven reference days according to predefined criteria.
- Modification of the grid model files for all timestamps of the seven reference days by applying the planned outage.
- Recalculation of the flow-based parameters for all timestamps of the seven reference days with the modified grid models.
- Publication of the flow-based parameters (historical and modified) in an Urgent Market Message.

TenneT is planning one outages on the 380 kV Diemen-Lelystad Wit circuit. See Table 1 for the outage dates as currently planned.

Element name	EIC	From	To
[NL-NL] Diemen - Lelystad 380 Wit	49T00000000000096	02-08-2021	18-11-2021

Table 1: Names, EICs and planned outage dates of the elements involved

This cover note describes the selection of the reference days as well as the different datasets attached to this market message.

2. Selection of the reference days

Light SPAIC methodology defines seven reference days, to be selected from a four-week period according to predefined criteria. Reference days were selected from the period 2021-05-17 – 2021-06-20. The reference days are as follows.

SPAIC day #	Criterion	Date selected
1	Sunday in the available period with the lowest wind infeed in CWE (DE as proxy)	2021-05-30 (Sunday)
2	Workday in the available period with the highest wind infeed in CWE (DE as proxy)	2021-05-21 (Friday)
3	Workday or Saturday in the available period with average wind/load	2021-06-02 (Wednesday)
4	Smallest volume of the Flow Based Domain	2021-05-22 (Saturday)
5	Largest volume of the Flow Based Domain	2021-06-04 (Friday)
6	Lowest exchanges in CWE	2021-05-29 (Saturday)
7	Highest exchanges in CWE	2021-06-03 (Thursday)

Table 2: Reference day criteria and selected dates

3. Overview of the datasets

Category	Expected output	Description	File
1	Description change and features of the reference days	A qualitative description of the foreseen change, period and expected high-level impact resulting from this	Cover note
		A description of the main quantitative features of the 7 reference 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 matrixes + 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 matrixes + RAM: Dataset 1, sheet "2c – SPAIC"
			Min/Max NP: Dataset 2, sheet "2c – SPAIC"
			Volume: Dataset 3, sheet "2c – SPAIC"

Table 3: Overview of the datasets provided

If you have any questions about the light SPAIC or its dataset then contact the process specialist as mentioned on the first page of this cover note.