MEMORANDUM

TO	Market participants CWE	**CLASSIFICATION**	C1 - Public Information
		DATE	March 4, 2020
		REFERENCE	

SUBJECT Impact assessment for the planned outages on the 380 kV Meeden-Diele interconnector

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 two outages on the 380 kV Meeden-Diele interconnector (one for each of the parallel circuits). The first outage is currently planned for early March; the second outage is, at the moment, planned directly after the first outage. The exact dates can be found on https://www.tennet.eu/electricity-market/transparencypages/urgent-market-messages-planned-maintenance-nl/.

Element name	EIC
[D2-NL] Diele - Meeden 380 White	10T-DE-NL-00002T
[D2-NL] Diele - Meeden 380 Black	10T-DE-NL-00001V

Table 1: Names and EICs 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 Jan 13 – Feb 9, 2020. 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)	26-01-2020
2	Workday in the available period with the highest wind infeed in CWE (DE as proxy)	14-01-2020
3	Workday or Saturday in the available period with average wind/load	18-01-2020
4	Smallest volume of the Flow Based Domain	01-02-2020
5	Largest volume of the Flow Based Domain	13-01-2020
6	Lowest exchanges in CWE	05-02-2020
7	Highest exchanges in CWE	21-01-2020

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 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"

Table 3: Overview of the datasets provided