

SWE Intraday Capacity Calculation external report

This document reports results of the external parallel run from the 15/11/2021 to the 21/11/2021.

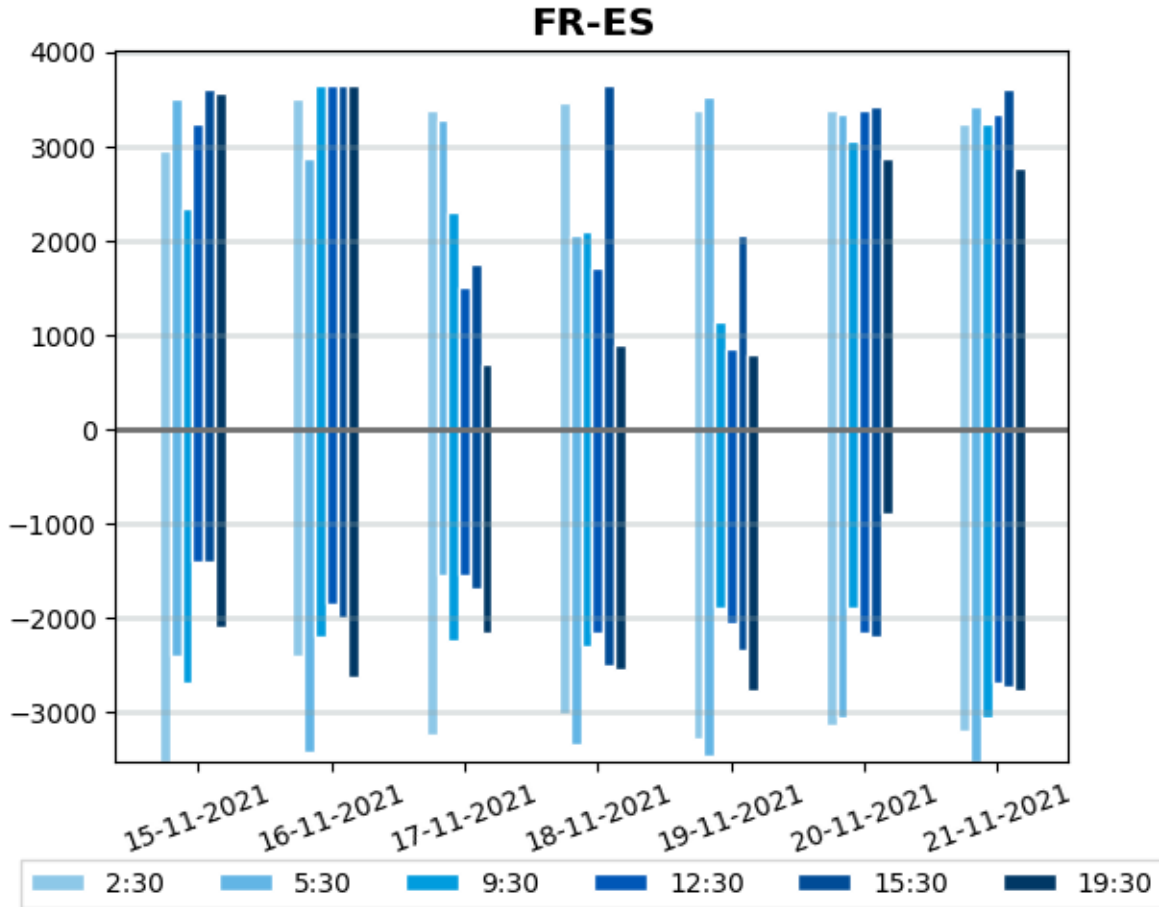
FR-ES NTCs

	2:30				5:30				9:30			
	ES-FR		FR-ES		ES-FR		FR-ES		ES-FR		FR-ES	
	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run
15-11-2021	3515	3515	2960	2960	2400	2400	3500	3500	2682	2682	2350	2350
16-11-2021	2400	2400	3500	3500	3422	3422	2867	2867	2200	2200	3653	3653
17-11-2021	3283	3237	3376	3376	3098	1550	1800	3283	2000	2250	3455	2300
18-11-2021	3006	3006	3468	3468	2867	3330	3653	2050	1550	2300	3422	2100
19-11-2021	3145	3283	3515	3376	3330	3468	3607	3515	1800	1900	3450	1150
20-11-2021	2497	3145	3468	3376	2543	3052	3561	3330	1550	1900	3283	3052
21-11-2021	2775	3191	3468	3237	2913	3515	3515	3422	2543	3052	3561	3237

* Yellow cells represent IT issues for these borders and time stamps during the process. Blue cells represent the IT issues that do not imply replacement by D-2 values. Red cells represent errors when applying the D-2 values.

	12:30				15:30				19:30			
	ES-FR		FR-ES		ES-FR		FR-ES		ES-FR		FR-ES	
	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run
15-11-2021	1400	1400	3237	3237	1400	1400	3607	3607	2100	2100	3561	3561
16-11-2021	1850	1850	3653	3653	2000	2000	3653	3653	2636	2636	3653	3653
17-11-2021	1800	1550	3607	1500	1800	1700	3653	1750	2497	2150	3653	700
18-11-2021	1650	2150	3653	1700	2497	2497	3653	3653	2636	2543	3515	900
19-11-2021	2300	2050	3700	850	2682	2350	3746	2050	2682	2775	3653	800
20-11-2021	1850	2150	3376	3376	1950	2200	3422	3422	800	900	3237	2867
21-11-2021	2497	2682	3653	3330	2682	2728	3653	3607	2682	2775	3237	2775

* Yellow cells represent IT issues for these borders and time stamps during the process. Blue cells represent the IT issues that do not imply replacement by D-2 values. Red cells represent errors when applying the D-2 values.



Comments

On FR-ES border, 37 computations failed during this week of external parallel run.
28 computations were replaced by D-2 values as fallback procedure.

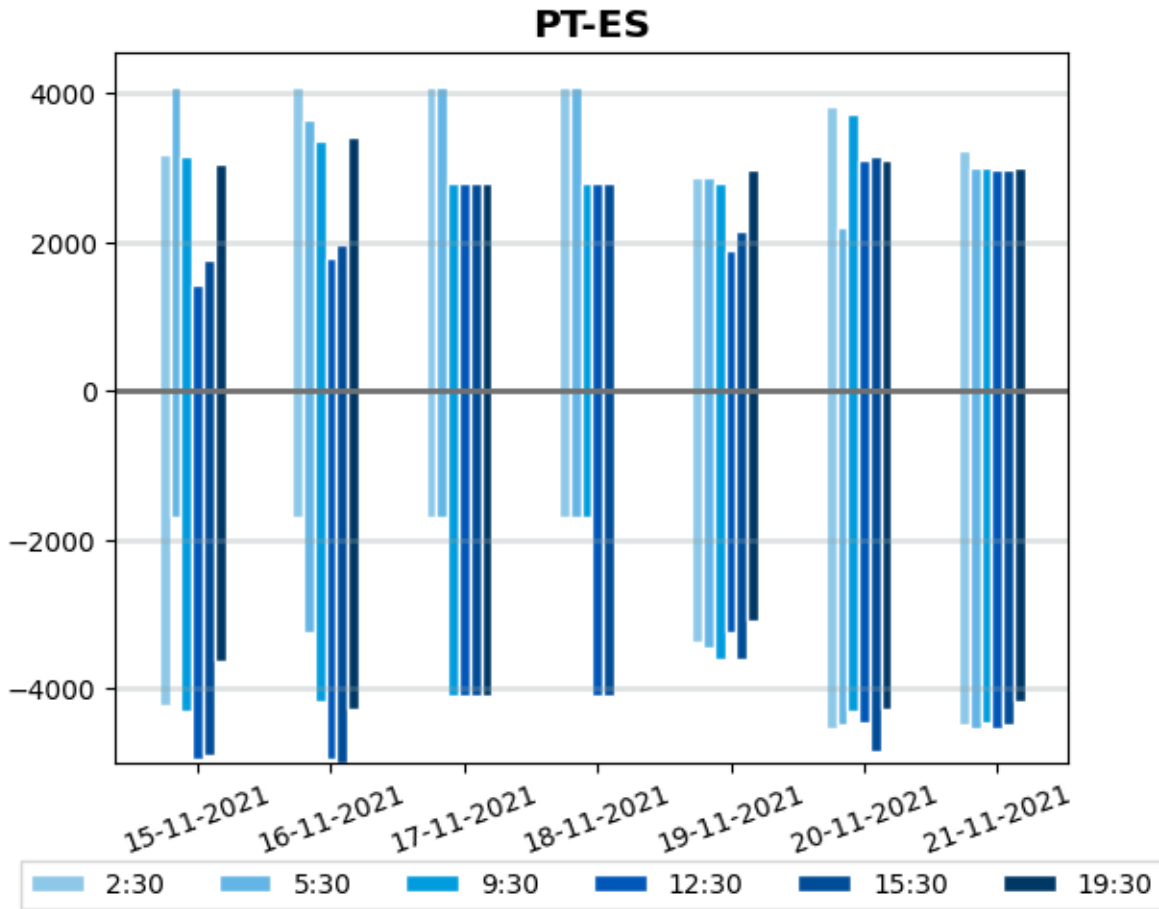
PT-ES NTCs

	2:30				5:30				9:30			
	ES-PT		PT-ES		ES-PT		PT-ES		ES-PT		PT-ES	
	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run
15-11-2021	4230	4230	3195	3195	1700	1700	4100	4100	4320	4320	3150	3150
16-11-2021	1700	1700	4100	4100	3240	3240	3645	3645	4185	4185	3375	3375
17-11-2021	1700	1700	4100	4100	1700	1700	4100	4100	2799	4100	4100	2799
18-11-2021	1700	1700	4100	4100	1700	1700	4100	4100	4100	1700	2799	2799
19-11-2021	3825	3375	2790	2880	3825	3465	2835	2880	4100	3600	2799	2799
20-11-2021	4635	4545	3600	3825	4635	4500	3600	2205	4410	4320	3645	3735
21-11-2021	4500	4500	2790	3240	4410	4545	2835	3015	4500	4455	3060	3015

* Yellow cells represent IT issues for these borders and time stamps during the process. Blue cells represent the IT issues that do not imply replacement by D-2 values. Red cells represent errors when applying the D-2 values.

	12:30				15:30				19:30			
	ES-PT		PT-ES		ES-PT		PT-ES		ES-PT		PT-ES	
	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run
15-11-2021	4950	4950	1440	1440	4905	4905	1755	1755	3645	3645	3060	3060
16-11-2021	4950	4950	1800	1800	4995	4995	1980	1980	4275	4275	3420	3420
17-11-2021	4100	4100	2799	2799	4100	4100	2799	2799	4100	4100	2799	2799
18-11-2021	4100	4100	2799	2799	4100	4100	2799	2799	4100	0	2799	0
19-11-2021	3960	3240	1620	1890	4185	3600	2970	2160	4635	3105	3015	2970
20-11-2021	4455	4455	3285	3105	4815	4860	3105	3150	4725	4275	2700	3105
21-11-2021	4320	4545	2745	2970	4455	4500	2880	2970	4140	4185	3285	3015

* Yellow cells represent IT issues for these borders and time stamps during the process. Blue cells represent the IT issues that do not imply replacement by D-2 values. Red cells represent errors when applying the D-2 values.



Comments

On PT-ES border, 55 computations failed during this week of external parallel run. 44 computations were replaced by D-2 values as fallback procedure.

Limiting elements FR-ES

Please find below the top limiting elements appearing more often over the period:

	CNEs and associated Contingencies	CNE Location	Frequency (%)
#1	Tie Line	FR-ES	39.0 %
	Contingency [ES]		2.4 %
	N-1 Contingency 400 kV [FR-ES]		36.6 %
#2	IT issue		34.1 %
	Base Case		34.1 %
#3	Tie Line	FR-ES	12.2 %
	N-1 Contingency 400 kV [FR-ES]		9.8 %
	N-1 Contingency 400 kV [FR-ES]		2.4 %
#4	Branch	FR	9.8 %
	Base Case		9.8 %
#5	Branch	FR	2.4 %
	N-1 Contingency [FR]		2.4 %

Limiting elements ES-FR

Please find below the top limiting elements appearing more often over the period:

	CNEs and associated Contingencies	CNE Location	Frequency (%)
#1	Tie Line	FR-ES	39.3 %
	N-1 Contingency 400 kV [ES-FR]		39.3 %
#2	Tie Line 400 kV	FR-ES	26.2 %
	Base Case		14.8 %
	N-2 Contingency 400 kV [ES]		11.5 %
#3	Tie Line	FR-ES	23.0 %
	Base Case		6.6 %
	N-1 Contingency [FR]		3.3 %
	N-1 Contingency 400 kV [ES-FR]		13.1 %
#4	Branch	FR	4.9 %
	N-1 Contingency [FR]		4.9 %
#5	Branch	FR	3.3 %
	N-1 Contingency [FR]		3.3 %

Limiting elements PT-ES

Please find below the top limiting elements appearing more often over the period:

	CNEs and associated Contingencies	CNE Location	Frequency (%)
#1	Tie Line 400 kV	ES-PT	46.7 %
	N-1 Contingency 400 kV [PT-ES]		2.9 %
	N-2 Contingency 400 kV [PT-ES]		43.8 %
#2	Branch	PT	30.5 %
	N-2 Contingency 400 kV [PT-ES]		30.5 %
#3	GLSK limitation		18.1 %

	Base Case		18.1 %
#4	Tie Line 220 kV	ES-PT	4.8 %
	N-1 Contingency 400 kV [PT-ES]		4.8 %

*GLSK limitation row includes GLSK limitations and flow divergences divisions

Limiting elements ES-PT

Please find below the top limiting elements appearing more often over the period:

	CNEs and associated Contingencies	CNE Location	Frequency (%)
#1	Branch	PT	50.5 %
	N-1 Contingency 400 kV [ES-PT]		2.1 %
	N-2 Contingency 400 kV [ES-PT]		48.5 %
#2	Tie Line 400 kV	ES-PT	22.7 %
	N-1 Contingency 400 kV [ES-PT]		8.2 %
	N-2 Contingency 400 kV [ES-PT]		14.4 %
#3	Branch	PT	26.8 %
	N-2 Contingency 400 kV [ES-PT]		26.8 %

*GLSK limitation row includes GLSK limitations and flow divergences divisions