

SWE Intraday Capacity Calculation

external report

This document reports results of the external parallel run from the 20/12/2021 to the 26/12/2021.

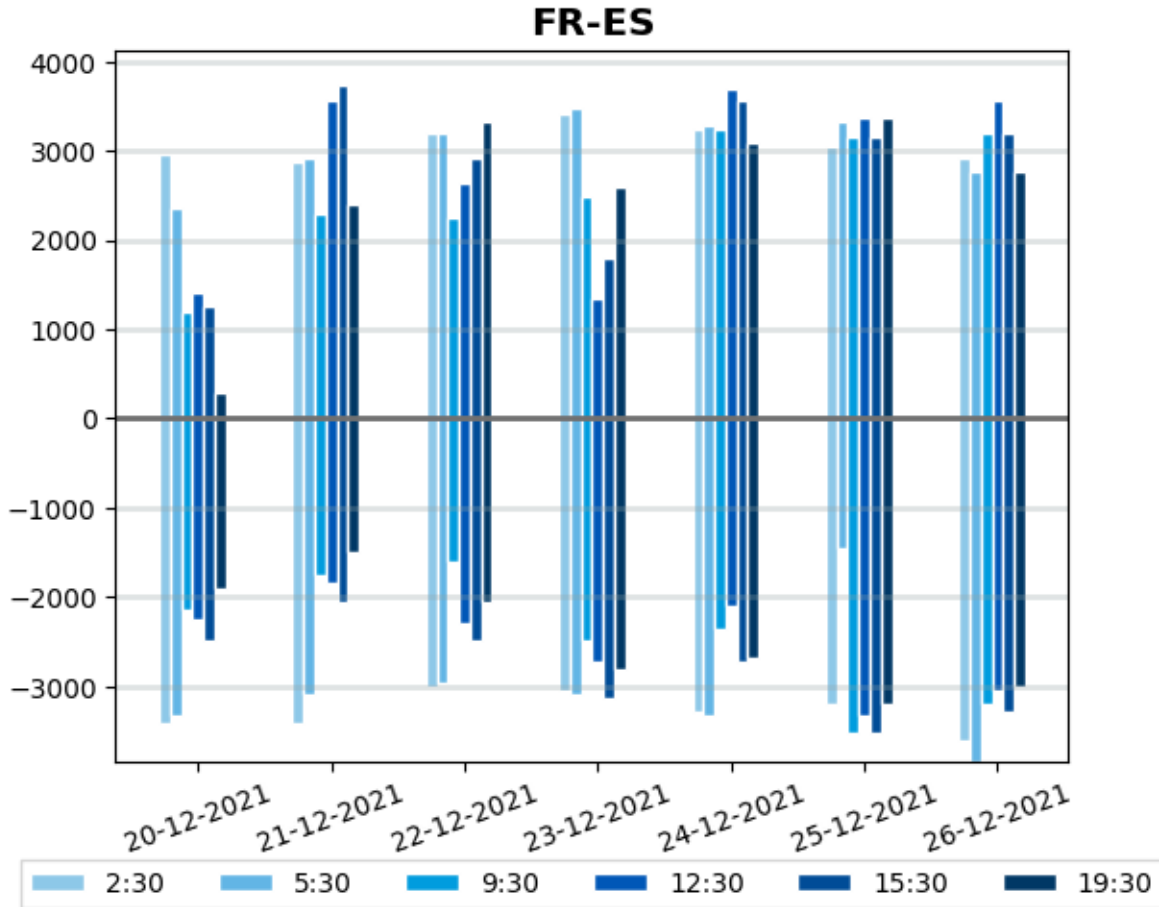
FR-ES NTCs

	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
20-12-2021	3422	3422	2960	2960	3191	3330	3098	2350	2450	2150	1600	1200
21-12-2021	3422	3422	2867	2867	3098	3098	2913	2913	2400	1750	2728	2300
22-12-2021	3098	3006	3376	3191	2867	2960	3515	3191	2200	1600	2350	2250
23-12-2021	3052	3052	1500	3422	3145	3098	1500	3468	2543	2497	1500	2497
24-12-2021	3098	3283	3422	3237	3145	3330	3330	3283	2821	2350	3376	3237
25-12-2021	3283	3191	3283	3052	1450	1450	3330	3330	3376	3515	3283	3145
26-12-2021	3607	3607	2913	2913	3838	3838	2775	2775	3191	3191	3191	3191

* 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.

	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
20-12-2021	2543	2250	1600	1400	2913	2497	1600	1250	2590	1900	3283	300
21-12-2021	2590	1850	3607	3561	2821	2050	3746	3746	2450	1500	2682	2400
22-12-2021	2250	2300	2543	2636	2590	2497	2867	2913	2300	2050	3422	3330
23-12-2021	2775	2728	1500	1350	3191	3145	1500	1800	2728	2821	1500	2590
24-12-2021	2590	2100	3700	3700	3422	2728	3237	3561	2775	2682	3052	3098
25-12-2021	3191	3330	3376	3376	3700	3515	3006	3145	3237	3191	3422	3376
26-12-2021	3145	3052	3561	3561	3283	3283	3191	3191	3006	3006	2775	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.



Comments

On FR-ES border, 27 computations failed during this week of external parallel run.
18 failed computations were replaced by D-2 values as fallback procedure.

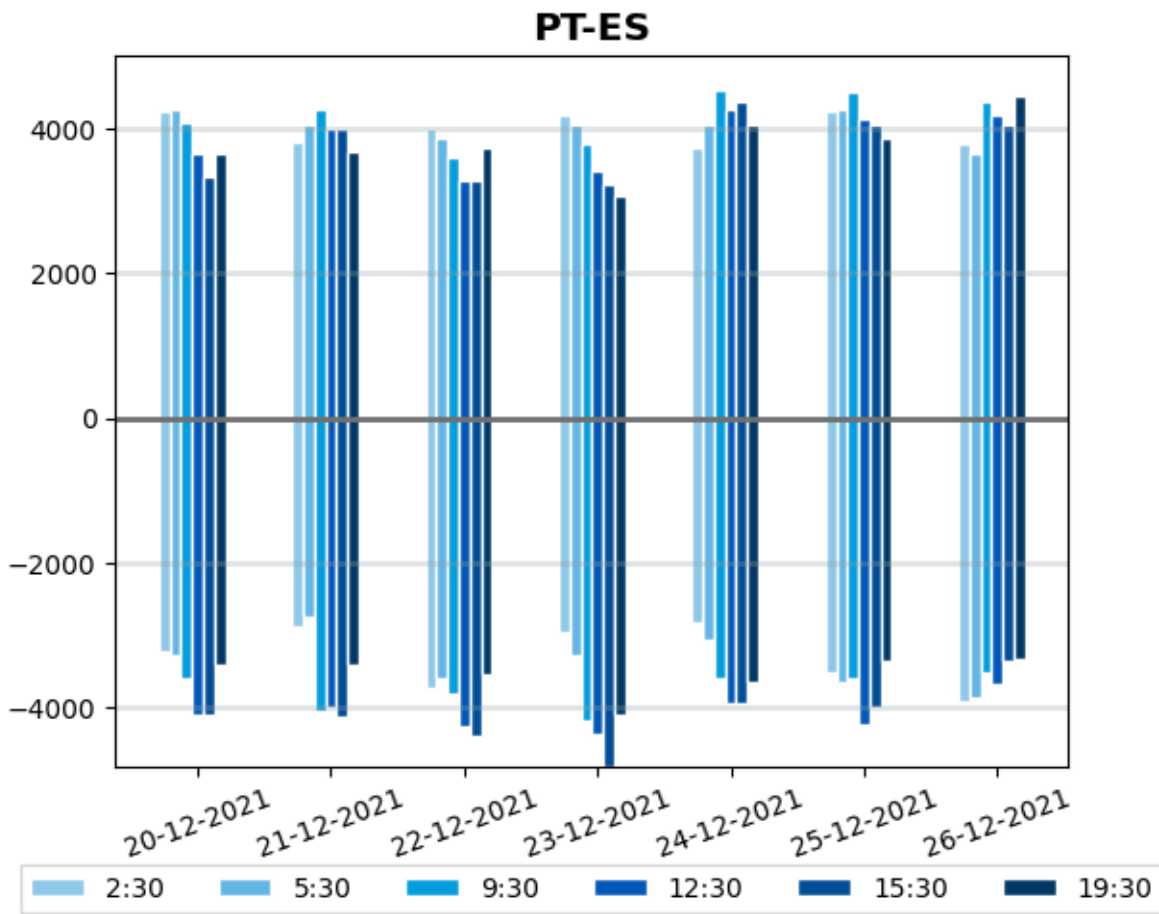
PT-ES NTCs

	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
20-12-2021	3240	3240	4230	4230	3195	3285	4185	4275	3870	3600	4095	4095
21-12-2021	2880	2880	3825	3825	2745	2745	4050	4050	3375	4050	4095	4275
22-12-2021	2655	3735	4050	4005	2790	3600	3870	3870	2925	3825	3555	3600
23-12-2021	2340	2970	4050	4185	2250	3285	4005	4050	3465	4185	3735	3780
24-12-2021	2925	2835	3735	3735	3150	3060	3915	4050	2970	3600	4500	4545
25-12-2021	4230	3510	3915	4230	3645	3645	4275	4275	3600	3600	4185	4500
26-12-2021	3915	3915	3780	3780	3870	3870	3645	3645	3510	3510	4365	4365

* 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.

	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
20-12-2021	4230	4095	3735	3645	4230	4095	3600	3330	3690	3420	3780	3645
21-12-2021	3690	4005	3870	4005	3735	4140	3915	4005	3420	3420	4050	3690
22-12-2021	3285	4275	3240	3285	3285	4410	3285	3285	3060	3555	3420	3735
23-12-2021	3960	4365	3285	3420	4005	4815	3285	3240	3960	4095	3060	3060
24-12-2021	3465	3960	4140	4275	3870	3960	4185	4365	3555	3645	3870	4050
25-12-2021	4185	4230	3825	4140	3780	4005	4050	4050	3600	3375	4050	3870
26-12-2021	3915	3690	3915	4185	3375	3375	4050	4050	3330	3330	4455	4455

* 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.



Comments

On PT-ES border, 20 computations failed during this week of external parallel run. 18 failed 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 400 kV	FR-ES	26.2 %
	Contingency [ES]		26.2 %
#2	IT Issues		26.2 %
	Base Case		26.2 %
#3	Branch 220 kV	ES	23.8 %
	Base Case		23.8 %
#4	Tie Line 220 kV	FR-ES	7.1 %
	N-1 Contingency 400 kV [FR]		2.4 %
	N-1 Contingency 400 kV [FR-ES]		4.8 %
#5	Branch	FR	7.1 %
	N-1 Contingency 400 kV [FR-ES]		7.1 %

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 220 kV	FR-ES	64.3 %
	N-1 Contingency 400 kV [ES-FR]		64.3 %
#2	Branch	FR	23.2 %
	N-1 Contingency 400 kV [FR]		23.2 %
#3	Branch 220 kV	ES	7.1 %
	Base Case		7.1 %
#4	Tie Line 225 kV	FR-ES	5.4 %
	Base Case		1.8 %
	N-1 Contingency 400 kV [FR]		1.8 %
	N-1 Contingency 400 kV [ES-FR]		1.8 %

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	89.6 %
	N-2 Contingency 400 kV [PT-ES]		89.6 %
#2	Angle Limitation	PT	5.2 %
	N-1 Contingency 400 kV [PT-ES]		5.2 %
#3	GLSK limitation		5.2 %
	Base Case		5.2 %

*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	Angle Limitation	PT	68.7 %
	N-2 Contingency 400 kV [ES-PT]		68.7 %
#2	Branch 400 kV	PT	24.6 %
	N-2 Contingency 400 kV [ES-PT]		24.6 %
#3	GLSK limitation		6.7 %
	Base Case		6.7 %

*GLSK limitation row includes GLSK limitations and flow divergences divisions