

SWE Intraday Capacity Calculation external report

This document reports results of the external parallel run from the 27/12/2021 to the 02/01/2022.

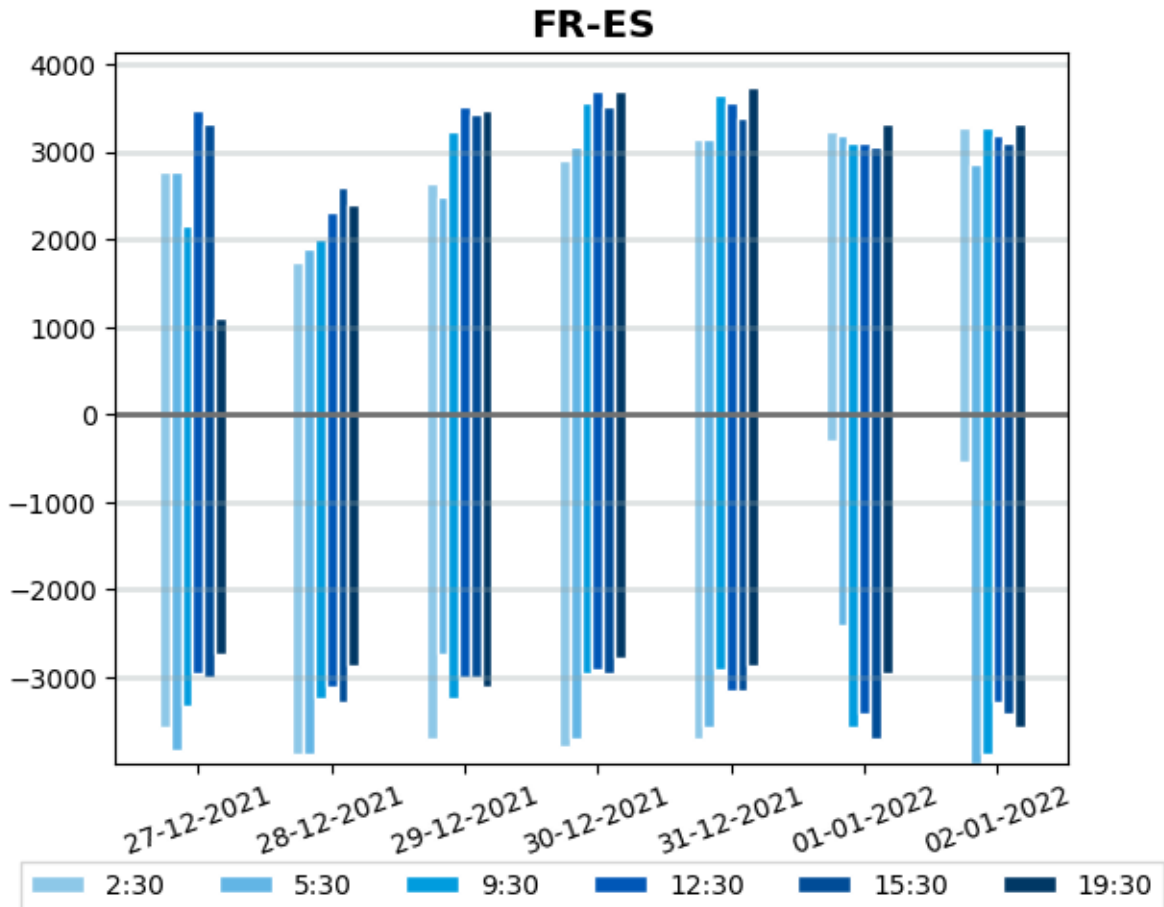
FR-ES NTCs

	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
27-12-2021	3746	3561	2867	2775	3838	3838	2775	2775	3098	3330	3376	2150
28-12-2021	3700	3885	2636	1750	3838	3885	2543	1900	3052	3237	2450	2000
29-12-2021	3700	3700	2636	2636	2728	2728	2497	2497	3237	3237	3237	3237
30-12-2021	3515	3792	2913	2913	3561	3700	3098	3052	2960	2960	3561	3561
31-12-2021	3607	3700	3098	3145	3607	3561	3052	3145	2960	2913	3422	3653
01-01-2022	3468	300	3330	3237	3607	2400	3145	3191	3468	3561	3006	3098
02-01-2022	3468	550	3191	3283	3885	3977	3098	2867	3746	3885	3283	3283

* 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
27-12-2021	2960	2960	3468	3468	3006	3006	3330	3330	3098	2728	1450	1100
28-12-2021	2913	3098	3376	2300	3006	3283	3376	2590	2867	2867	2400	2400
29-12-2021	3006	3006	3515	3515	3006	3006	3422	3422	3098	3098	3468	3468
30-12-2021	2821	2913	3746	3700	3145	2960	3515	3515	2821	2775	3515	3700
31-12-2021	2913	3145	3653	3561	3237	3145	3376	3376	3052	2867	3515	3746
01-01-2022	3422	3422	3098	3098	3746	3700	2913	3052	3468	2960	3237	3330
02-01-2022	3283	3283	3191	3191	3422	3422	3098	3098	3237	3561	3422	3330

* 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, 39 computations failed during this week of external parallel run.
29 failed computations were replaced by D-2 values as fallback procedure.

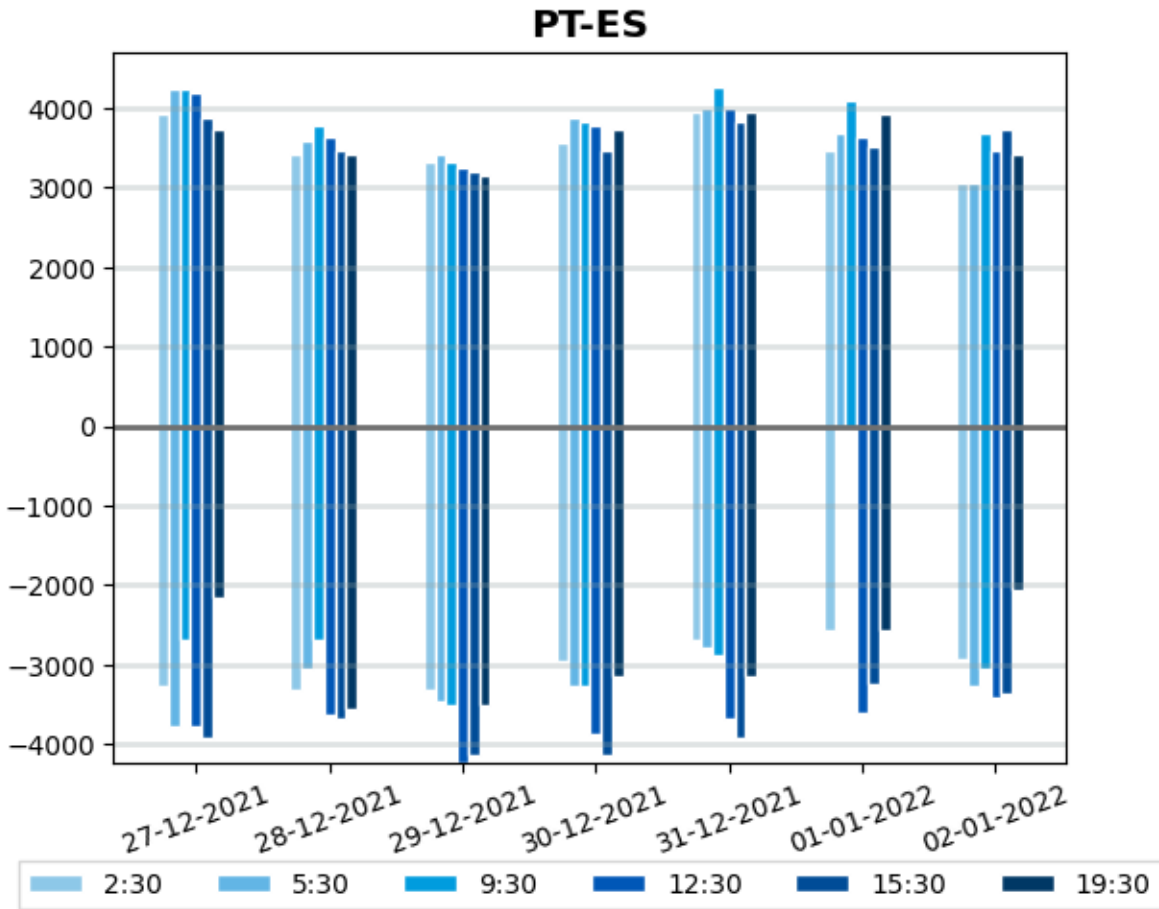
PT-ES NTCs

	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
27-12-2021	3600	3285	4275	3915	3780	3780	4230	4230	3195	2700	4275	4230
28-12-2021	3375	3330	3330	3420	3600	3060	3465	3600	3285	2700	3825	3780
29-12-2021	3330	3330	3330	3330	3465	3465	3420	3420	3510	3510	3330	3330
30-12-2021	3240	2970	3915	3555	3195	3285	3780	3870	3285	3285	3825	3825
31-12-2021	3060	2700	4050	3960	3375	2790	4140	4005	3015	2880	4455	4275
01-01-2022	2565	2565	3870	3465	2745	0	3870	3690	2385	0	3825	4095
02-01-2022	2970	2925	3465	3060	3060	3285	3690	3060	2880	3060	3645	3690

* 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
27-12-2021	3780	3780	4185	4185	3915	3915	3870	3870	3330	2160	3825	3735
28-12-2021	3555	3645	3510	3645	4005	3690	3285	3465	3555	3555	3420	3420
29-12-2021	4230	4230	3240	3240	4140	4140	3195	3195	3510	3510	3150	3150
30-12-2021	3915	3870	3465	3780	4185	4140	3240	3465	3915	3150	3510	3735
31-12-2021	3960	3690	3960	4005	4140	3915	3330	3825	3420	3150	3870	3960
01-01-2022	3600	3600	3645	3645	3870	3240	3285	3510	3105	2565	3960	3915
02-01-2022	3420	3420	3465	3465	3375	3375	3735	3735	3870	2070	3555	3420

* 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, 33 computations failed during this week of external parallel run. 28 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	44.3 %
	Contingency [ES]		44.3 %
#2	Tie Line 220 kV	FR-ES	26.6 %
	N-1 Contingency 400 kV [FR-ES]		26.6 %
#3	Branch 220 kV	ES	12.7 %
	Base Case		12.7 %
#4	Branch 400 kV	FR	7.6 %
	Base Case		7.6 %
#5	Tie Line 220 kV	FR-ES	5.1 %
	N-1 Contingency 400 kV [FR-ES]		5.1 %

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	43.6 %
	N-1 Contingency 400 kV [ES-FR]		43.6 %
#2	Tie Line 220 kV	FR-ES	27.7 %
	N-1 Contingency 400 kV [FR]		19.8 %
	N-1 Contingency 400 kV [ES-FR]		6.9 %
	N-1 Contingency 400 kV [ES-FR]		1.0 %
#3	Branch	FR	10.9 %
	N-1 Contingency 400 kV [FR]		10.9 %
#4	IT Issue		10.9 %
	Base Case		10.9 %
#5	Branch 400 kV	FR	4.0 %
	N-1 Contingency 400 kV [FR]		4.0 %

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	83.2 %
	N-2 Contingency 400 kV [PT-ES]		83.2 %
#2	GLSK limitation		13.9 %
	Base Case		13.9 %
#3	Angle Limitation	PT	2.9 %
	N-2 Contingency 400 kV [PT-ES]		2.9 %

*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	94.6 %
	N-2 Contingency 400 kV [ES-PT]		94.6 %
#2	Branch 400 kV	PT	5.4 %
	N-2 Contingency 400 kV [ES-PT]		5.4 %

*GLSK limitation row includes GLSK limitations and flow divergences divisions