

SWE Intraday Capacity Calculation

external report

This document reports results of the external parallel run from the 07/03/2022 to the 13/03/2022.

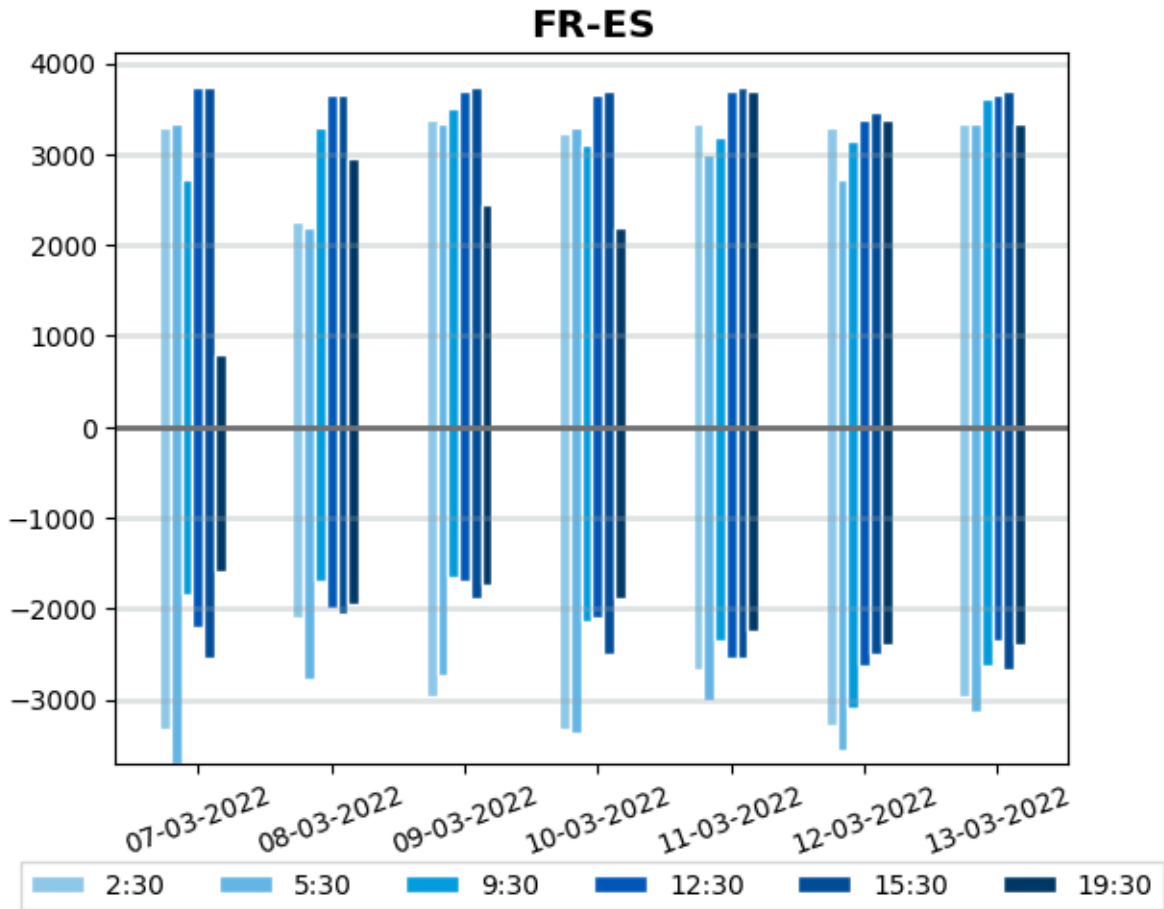
FR-ES NTCs

	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
07-03-2022	3653	3330	3145	3283	3330	3700	3330	3330	2913	1850	3607	2728
08-03-2022	2867	2100	3145	2250	2821	2775	3191	2200	2000	1700	3607	3283
09-03-2022	3283	2960	3376	3376	3283	2728	3468	3330	2350	1650	3607	3515
10-03-2022	3330	3330	3145	3237	3422	3376	3376	3283	2000	2150	3607	3098
11-03-2022	3006	2682	3237	3330	2960	3006	3283	3006	2250	2350	3052	3191
12-03-2022	3052	3283	3283	3283	3237	3561	3237	2728	2867	3098	3330	3145
13-03-2022	2960	2960	3330	3330	3145	3145	3330	3330	2636	2636	3607	3607

*Blue cells represent IT issues that do not require IDCC value replacement. Yellow cells represent IT issues that require IDCC values 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
07-03-2022	2775	2200	3653	3746	2960	2543	3653	3746	2821	1600	3468	800
08-03-2022	2000	2000	3607	3653	2050	2050	3653	3653	2682	1950	3746	2960
09-03-2022	2000	1700	3700	3700	2250	1900	3700	3746	2450	1750	3700	2450
10-03-2022	1800	2100	3700	3653	1800	2497	3700	3700	2050	1900	3145	2200
11-03-2022	2350	2543	3607	3700	2250	2543	3607	3746	2200	2250	3746	3700
12-03-2022	2867	2636	3468	3376	2821	2497	3515	3468	2400	2400	3607	3376
13-03-2022	2350	2350	3653	3653	2682	2682	3700	3700	2400	2400	3330	3330

*Blue cells represent IT issues that do not require IDCC value replacement. Yellow cells represent IT issues that require IDCC values replacement by D-2 values.



Comments

On FR-ES border, 26 computations failed during this week of external parallel run.
12 failed computations were replaced by D-2 values as fallback procedure.

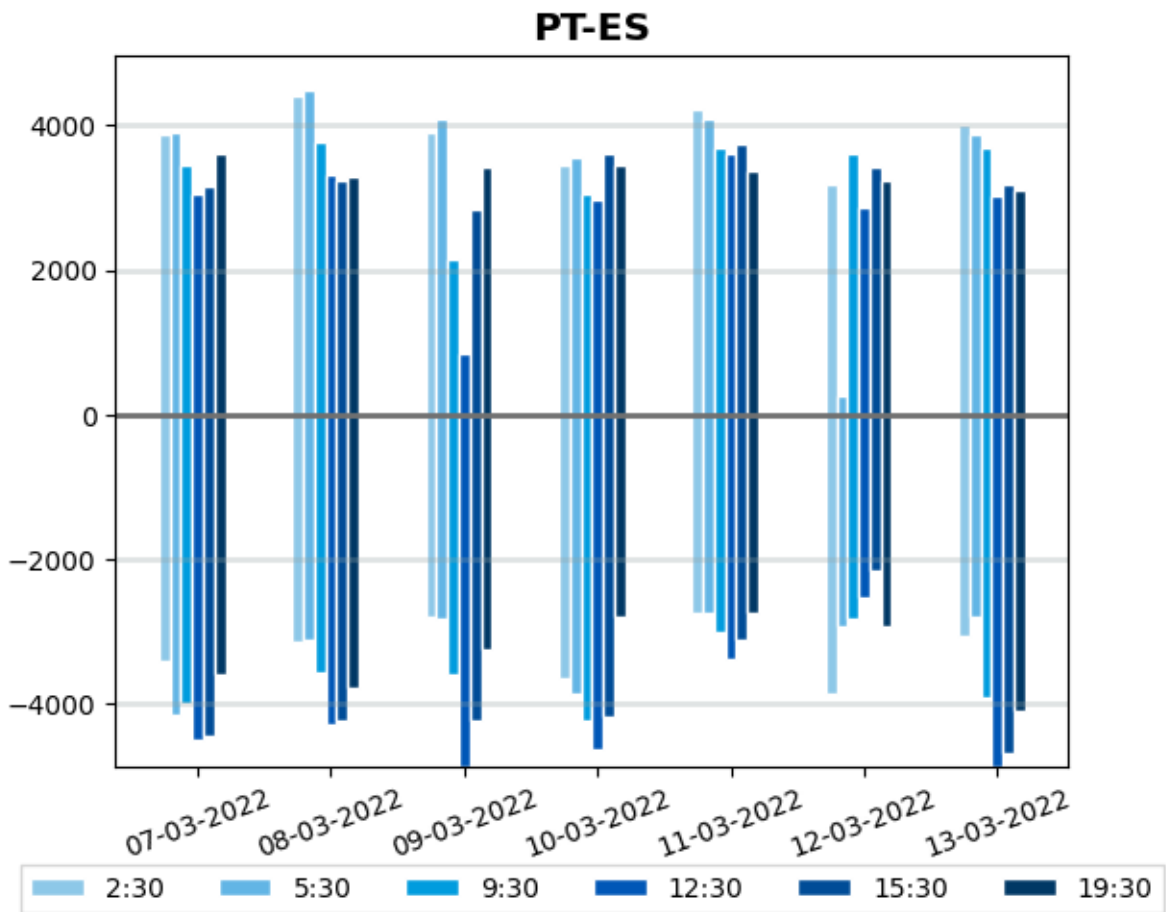
PT-ES NTCs

	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
07-03-2022	3960	3420	3780	3870	4320	4140	3510	3915	4185	4005	3195	3465
08-03-2022	2880	3150	3960	4410	3015	3105	4005	4500	3510	3555	3735	3780
09-03-2022	3240	2790	3780	3915	3285	2835	4005	4095	4320	3600	3600	2160
10-03-2022	4095	3645	3690	3465	4275	3870	3780	3555	4230	4230	3330	3060
11-03-2022	2790	2745	4230	4230	2745	2745	4230	4095	3375	3015	3195	3690
12-03-2022	3870	3870	3780	3195	3735	2925	3780	250	2340	2835	3510	3600
13-03-2022	3060	3060	4005	4005	2790	2790	3870	3870	3915	3915	3690	3690

*Blue cells represent IT issues that do not require IDCC value replacement. Yellow cells represent IT issues that require IDCC values 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
07-03-2022	4410	4500	3203	3060	4410	4455	3060	3150	3555	3600	3420	3600
08-03-2022	4275	4275	3465	3330	4590	4230	3420	3240	4140	3780	3285	3285
09-03-2022	4725	4860	3105	850	4680	4230	3240	2835	3780	3240	3555	3420
10-03-2022	4545	4635	3510	2970	4095	4185	3690	3600	3105	2790	3195	3465
11-03-2022	3555	3375	3870	3600	3600	3105	3825	3735	3420	2745	3375	3375
12-03-2022	4680	2520	2295	2880	4455	2160	3015	3420	3285	2925	3960	3240
13-03-2022	4860	4860	3015	3015	4680	4680	3195	3195	4095	4095	3105	3105

*Blue cells represent IT issues that do not require IDCC value replacement. Yellow cells represent IT issues that require IDCC values replacement by D-2 values.



Comments

On PT-ES border, 29 computations failed during this week of external parallel run. 13 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	35.7 %
	Contingency [ES]		21.4 %
	N-1 Contingency 400 kV [FR-ES]		14.3 %
#2	Branch	FR	28.6 %
	N-1 Contingency 400 kV [FR-ES]		28.6 %
#3	Branch 220 kV	ES	27.1 %
	Base Case		14.3 %
	N-1 Contingency 400 kV [FR-ES]		12.9 %
#4	Tie Line 225 kV	FR-ES	8.6 %
	N-1 Contingency 400 kV [FR-ES]		8.6 %

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	58.9 %
	N-1 Contingency 400 kV [ES-FR]		58.9 %
#2	Tie Line 225 kV	FR-ES	22.2 %
	Base Case		4.4 %
	Contingency 400 kV [ES]		4.4 %
	N-1 Contingency 400 kV [FR]		13.2 %
#3	Tie Line 400 kV	FR-ES	8.2 %
	Base Case		8.2 %
#4	Branch 220 kV	FR	6.3 %
	Base Case		6.3 %
#5	Branch	FR	4.4 %
	N-1 Contingency 400 kV [FR]		4.4 %

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	81.5 %
	N-2 Contingency 400 kV [PT-ES]		81.5 %
#3	Angle Limitation	PT	18.5 %
	N-2 Contingency 400 kV [PT-ES]		18.5 %

*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	79.5 %
	N-2 Contingency 400 kV [PT-ES]		79.5 %
#2	Branch 400 kV	PT	20.5 %
	N-2 Contingency 400 kV [ES-PT]		20.5 %

*GLSK limitation row includes GLSK limitations and flow divergences divisions