

SWE Intraday Capacity Calculation external report

This document reports results of the external parallel run from the 03/01/2022 to the 09/01/2022.

FR-ES NTCs

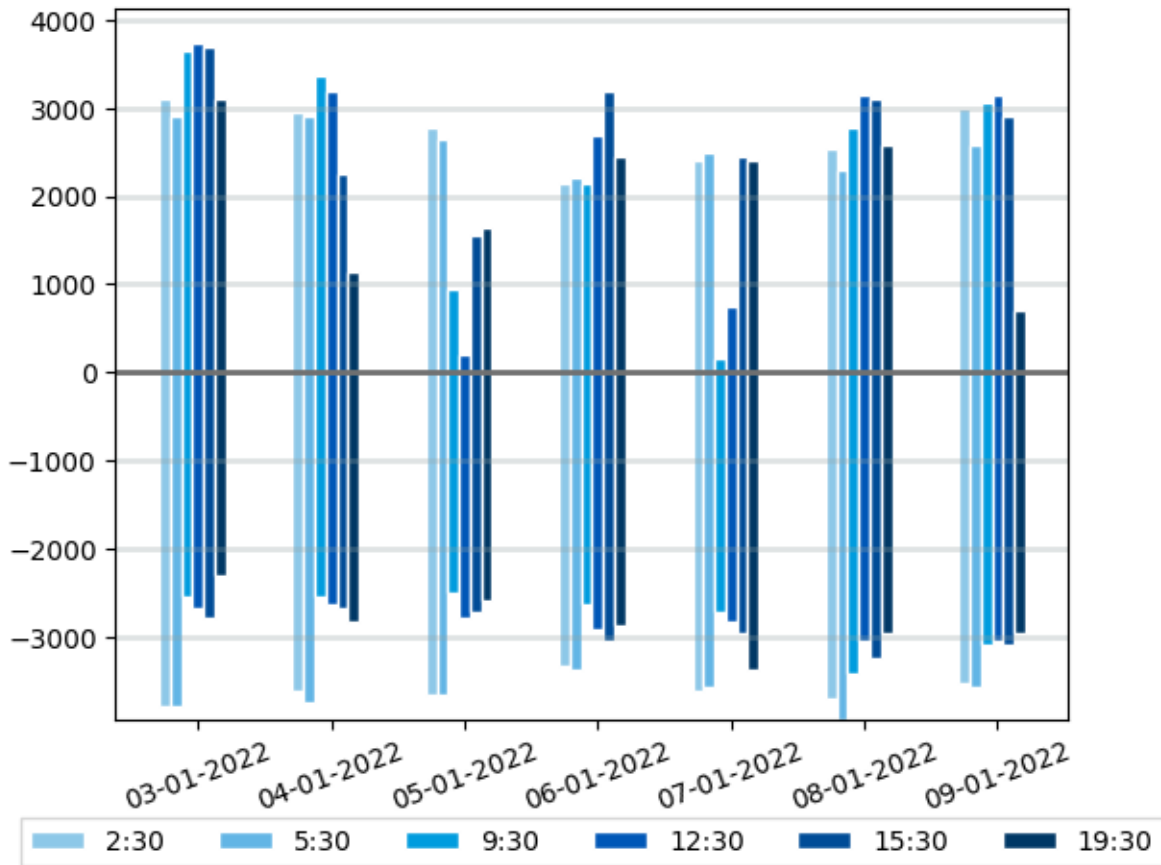
	2:30				5:30				9:30			
	ES-FR		FR-ES		ES-FR		FR-ES		ES-FR		FR-ES	
	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run
03-01-2022	3376	3792	2960	3098	3283	3792	3145	2913	2821	2543	3607	3653
04-01-2022	3468	3607	2867	2960	3515	3746	2867	2913	2682	2543	3098	3376
05-01-2022	3653	3653	2775	2775	3653	3653	2636	2636	2913	2497	3052	950
06-01-2022	3330	3330	2775	2150	3422	3376	2775	2200	2867	2636	2960	2150
07-01-2022	3422	3607	2250	2400	3376	3561	2450	2497	2590	2728	2497	150
08-01-2022	3700	3700	2100	2543	3746	3931	2250	2300	3237	3422	2960	2775
09-01-2022	3515	3515	3006	3006	3700	3561	3006	2590	3283	3098	3145	3052

*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. Red cells represent IT issues that requires IDCC values replacement but D-2 values were not available hence LTCC values were used (it does not apply).

	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
03-01-2022	2821	2682	3653	3746	3052	2775	3700	3700	3098	2300	3422	3098
04-01-2022	2590	2636	3561	3191	2636	2682	3515	2250	2590	2821	2960	1150
05-01-2022	2960	2775	3376	200	2682	2728	3700	1550	2821	2590	2913	1650
06-01-2022	2821	2913	3746	2682	2543	3052	3792	3191	2682	2867	3098	2450
07-01-2022	2450	2821	3098	750	2400	2960	3515	2450	2775	3376	3191	2400
08-01-2022	3052	3052	3145	3145	3237	3237	3098	3098	2960	2960	2590	2590
09-01-2022	3052	3052	3607	3145	3237	3098	3191	2913	3006	2960	2300	700

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FR-ES



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

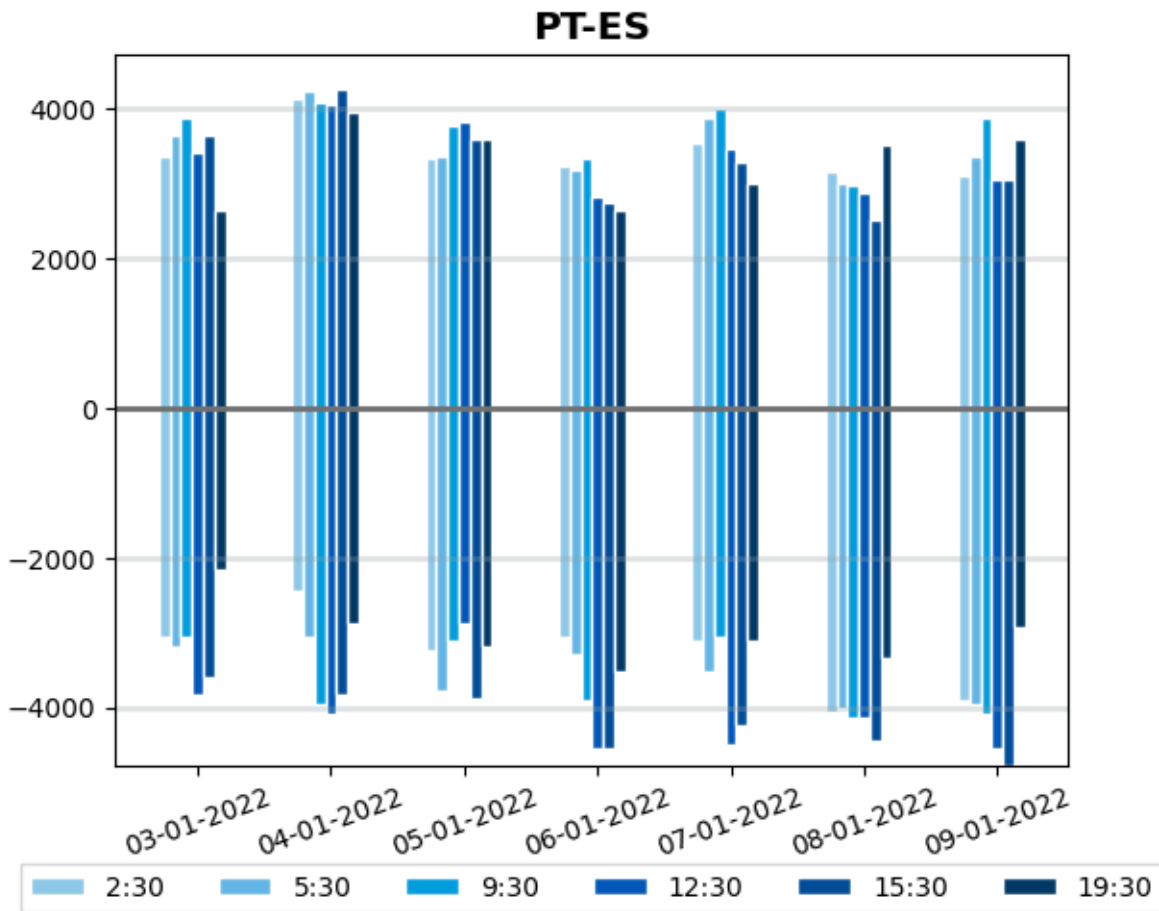
	2:30				5:30				9:30			
	ES-PT		PT-ES		ES-PT		PT-ES		ES-PT		PT-ES	
	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run
03-01-2022	2970	3060	3510	3375	3150	3195	3375	3645	3015	3060	3915	3870
04-01-2022	2610	2430	3780	4140	3375	3060	3870	4230	2700	3960	4275	4095
05-01-2022	3240	3240	3330	3330	3780	3780	3375	3375	3285	3105	3690	3780
06-01-2022	3690	3060	3195	3240	3735	3285	3195	3195	3555	3915	3285	3330
07-01-2022	3195	3105	3735	3555	3465	3510	4005	3870	3420	3060	4275	4005
08-01-2022	3825	4050	3285	3150	3690	4005	3060	3015	3825	4140	3420	2970
09-01-2022	3915	3915	3105	3105	3915	3960	3420	3375	3555	4095	3645	3870

*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. Red cells represent IT issues that requires IDCC values replacement but D-2 values were not available hence LTCC values were used

(it does not apply).

	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
03-01-2022	3735	3825	3600	3420	4365	3600	3195	3645	2880	2160	3555	2655
04-01-2022	4005	4095	3960	4050	3690	3825	4230	4275	2340	2880	4005	3960
05-01-2022	3915	2880	3510	3825	3420	3870	3510	3600	2565	3195	3330	3600
06-01-2022	4185	4545	2835	2835	4140	4545	2790	2745	3375	3510	2430	2655
07-01-2022	4140	4500	3735	3465	4410	4230	3555	3285	3285	3105	2970	3015
08-01-2022	4140	4140	2880	2880	4455	4455	2520	2520	3330	3330	3510	3510
09-01-2022	4050	4545	3240	3060	4095	4770	2880	3060	2655	2925	3735	3600

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Comments

On PT-ES border, 13 computations failed during this week of external parallel run.
12 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	IT Issue		53.3 %
	Base Case		53.3 %
#2	Branch 220 kV	ES	22.2 %
	Base Case		22.2 %
#3	Tie Line 400 kV	FR-ES	20.0 %
	Contingency [ES]		20.0 %
#4	Branch	FR	4.4 %
	N-1 Contingency 400 kV [FR-ES]		4.4 %

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 220 kV	FR-ES	66.7 %
	N-1 Contingency 400 kV [ES-FR]		66.7 %
#2	Tie Line 220 kV	FR-ES	26.3 %
	Base Case		3.5 %
	N-1 Contingency 400 kV [FR]		15.8 %
	N-1 Contingency 400 kV [ES-FR]		1.8 %
	N-1 Contingency 400 kV [ES-FR]		5.3 %
#3	Branch 220 kV	ES	5.3 %
	Base Case		5.3 %
#4	Branch	FR	1.8 %
	N-1 Contingency 400 kV [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	82.6 %
	N-2 Contingency 400 kV [PT-ES]		82.6 %
#2	GLSK limitation		12.2 %
	Base Case		12.2 %
#3	Angle Limitation	PT	5.2 %
	N-2 Contingency 400 kV [PT-ES]		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	82.6 %
	N-2 Contingency 400 kV [ES-PT]		82.6 %
#2	Branch 400 kV	PT	14.9 %
	N-2 Contingency 400 kV [ES-PT]		14.9 %
#3	GLSK limitation		2.5 %
	Base Case		2.5 %

*GLSK limitation row includes GLSK limitations and flow divergences divisions