

# SWE Intraday Capacity Calculation

## external report

This document reports results of the external parallel run from the 28/02/2022 to the 06/03/2022.

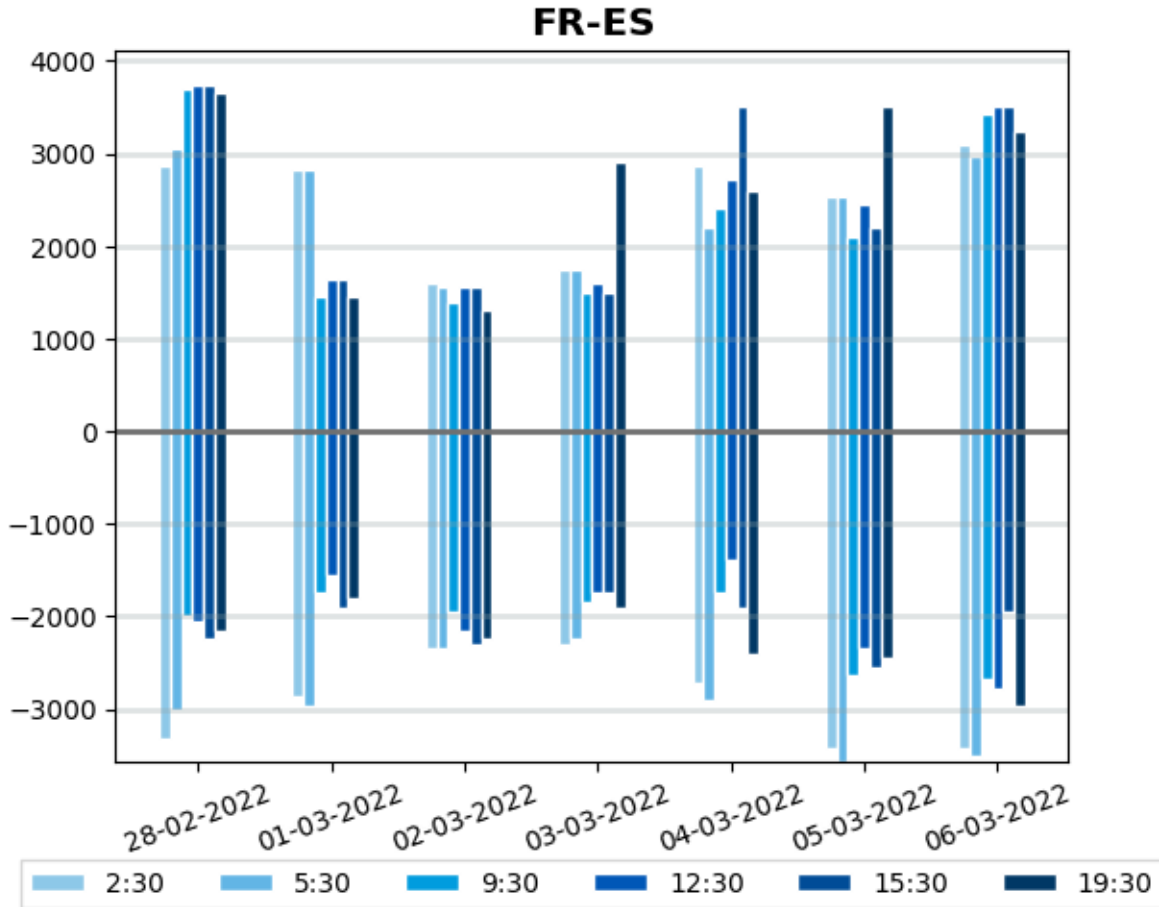
### FR-ES NTCs

	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
28-02-2022	3098	3330	3098	2867	3237	3006	3191	3052	2356	2000	3792	3700
01-03-2022	3052	2867	2543	2821	2913	2960	2682	2821	1800	1750	1650	1450
02-03-2022	2350	2350	1550	1600	2300	2350	1600	1550	2000	1950	1673	1400
03-03-2022	2350	2300	1750	1750	2350	2250	1700	1750	2200	1850	1550	1500
04-03-2022	3098	2728	3145	2867	3237	2913	3006	2200	2350	1750	3006	2400
05-03-2022	3422	3422	2543	2543	3561	3561	2543	2543	2636	2636	2100	2100
06-03-2022	3052	3422	3237	3098	3098	3515	3098	2960	2728	2682	3515	3422

\*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
28-02-2022	2000	2050	3792	3746	2410	2250	3700	3746	2497	2150	3700	3653
01-03-2022	1535	1550	1653	1650	1650	1900	1657	1650	2050	1800	1500	1450
02-03-2022	1950	2150	1600	1550	1950	2300	1681	1550	1800	2250	1450	1300
03-03-2022	1950	1750	1650	1600	2000	1750	1650	1500	2300	1900	3607	2913
04-03-2022	1650	1400	3422	2728	2250	1900	3515	3515	2497	2400	3283	2590
05-03-2022	2350	2350	2450	2450	2543	2543	2200	2200	2450	2450	3515	3515
06-03-2022	2682	2775	3653	3515	1950	1950	3515	3515	2400	2960	3468	3237

\*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, 6 computations failed during this week of external parallel run and 2 failed computations were replaced by D-2 values as fallback procedure.

IDCC results from next days were not available due to IT issues: 05-03-2022

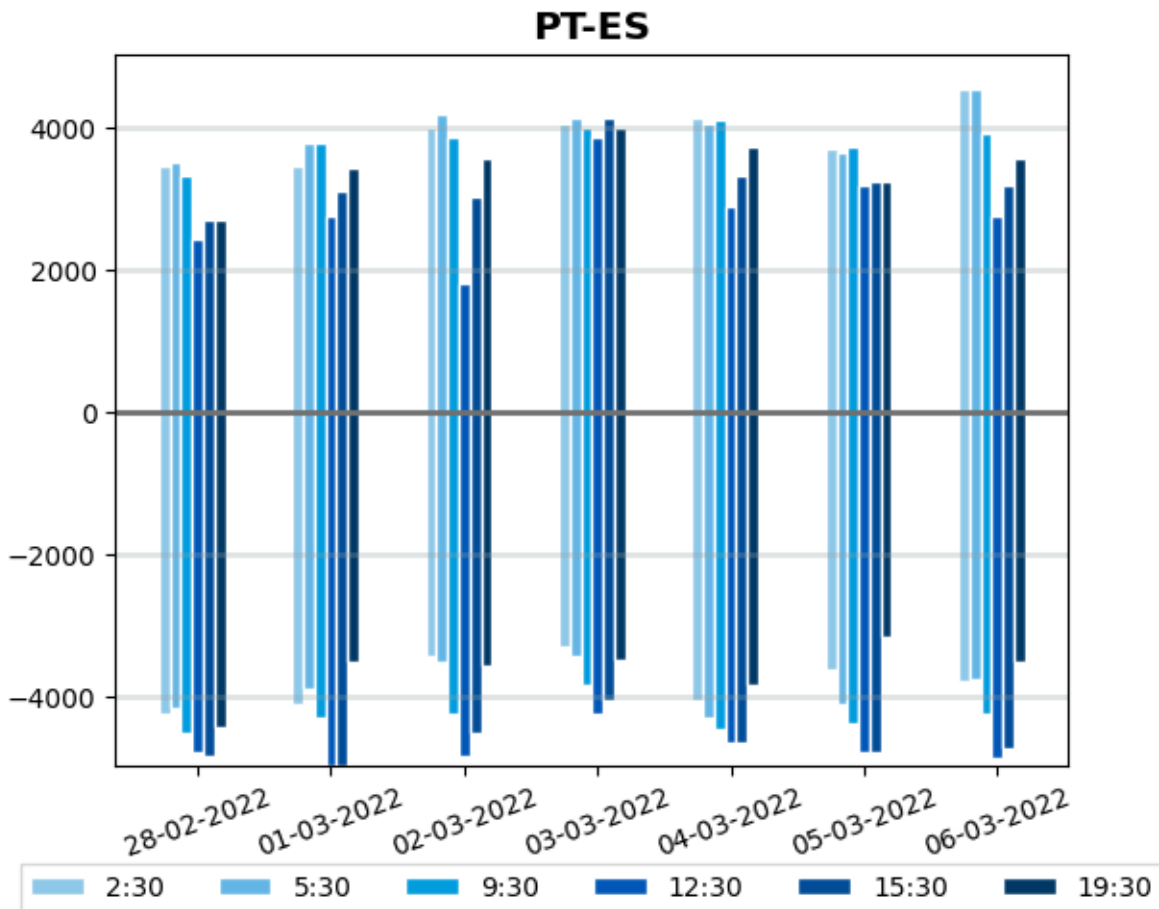
#### PT-ES NTCs

	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
28-02-2022	4095	4230	3105	3465	4005	4140	2880	3510	4275	4500	3105	3330
01-03-2022	3960	4095	3510	3465	3645	3870	3735	3780	4230	4275	3690	3780
02-03-2022	3375	3420	3645	4005	3375	3510	3600	4185	4095	4230	3240	3870
03-03-2022	3285	3285	3645	4050	3465	3420	4050	4140	3330	3825	3780	4005
04-03-2022	3690	4050	4095	4140	3735	4275	4095	4050	3825	4455	3870	4095
05-03-2022	3600	3600	3690	3690	4095	4095	3645	3645	4365	4365	3735	3735
06-03-2022	3420	3780	4365	4545	3555	3735	4320	4545	4410	4230	3960	3915

\*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
28-02-2022	4680	4770	3119	2430	4770	4815	3090	2700	4635	4410	2835	2700
01-03-2022	4410	4950	3059	2745	4455	4950	3150	3105	3375	3510	3555	3420
02-03-2022	4455	4815	3151	1800	4500	4500	3163	3015	3105	3555	3195	3555
03-03-2022	4140	4230	3420	3870	4095	4050	3510	4140	2994	3465	3645	4005
04-03-2022	4140	4635	3374	2880	4050	4635	3267	3330	3285	3825	3465	3735
05-03-2022	4770	4770	3188	3188	4770	4770	3240	3240	3150	3150	3240	3240
06-03-2022	4815	4860	2880	2745	4725	4725	3195	3195	3600	3510	3735	3555

\*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, 5 computations failed during this week of external parallel run and 3 failed computations were replaced by D-2 values as fallback procedure.

IDCC results from next days were not available due to IT issues: 05-03-2022

## Limiting elements FR-ES

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

	CNEs and associated Contingencies	CNE Location	Frequency (%)
<b>#1</b>	<b>Tie Line 400 kV</b>	<b>FR-ES</b>	<b>59.1 %</b>
	Contingency [ES]		14.0 %
	N-1 Contingency 400 kV [FR]		45.2 %
<b>#2</b>	<b>Branch</b>	<b>FR</b>	<b>16.1 %</b>
	N-1 Contingency 400 kV [FR-ES]		16.1 %
<b>#3</b>	<b>Branch 220 kV</b>	<b>ES</b>	<b>10.8 %</b>
	Base Case		7.5 %
	N-1 Contingency 400 kV [FR]		3.3 %
<b>#4</b>	<b>Tie Line 220 kV</b>	<b>FR-ES</b>	<b>7.5 %</b>
	N-1 Contingency 400 kV [FR-ES]		7.5 %
<b>#5</b>	<b>Tie Line 225 kV</b>	<b>FR-ES</b>	<b>4.3 %</b>
	N-1 Contingency 400 kV [FR]		4.3 %
<b>#6</b>	<b>Tie Line 400 kV</b>	<b>FR-ES</b>	<b>2.2 %</b>
	N-1 Contingency 400 kV [FR-ES]		2.2 %

## Limiting elements ES-FR

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

	CNEs and associated Contingencies	CNE Location	Frequency (%)
<b>#1</b>	<b>Tie Line 220 kV</b>	<b>FR-ES</b>	<b>45.8 %</b>
	N-1 Contingency 400 kV [ES-FR]		45.8 %
<b>#2</b>	<b>Tie Line 225 kV</b>	<b>FR-ES</b>	<b>26.8 %</b>
	Base Case		4.5 %
	N-1 Contingency 400 kV [FR]		15.3 %
	N-1 Contingency 400 kV [ES-FR]		5.1 %
	N-1 Contingency 400 kV [FR]		1.9 %
<b>#3</b>	<b>Branch</b>	<b>FR</b>	<b>15.3 %</b>
	N-1 Contingency 400 kV [FR]		15.3 %
<b>#4</b>	<b>Tie Line 400 kV</b>	<b>FR-ES</b>	<b>7.6 %</b>
	N-1 Contingency 400 kV [FR]		7.6 %
<b>#5</b>	<b>Branch 400 kV</b>	<b>ES</b>	<b>3.2 %</b>
	N-2 Contingency 400 kV [ES]		3.2 %
<b>#6</b>	<b>Branch 220 kV</b>	<b>ES</b>	<b>1.3 %</b>
	N-1 Contingency 400 kV [ES-FR]		1.3 %

## Limiting elements PT-ES

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

	CNEs and associated Contingencies	CNE Location	Frequency (%)
<b>#1</b>	<b>Tie Line 400 kV</b>	<b>ES-PT</b>	<b>76.5 %</b>
	N-2 Contingency 400 kV [PT-ES]		76.5 %
<b>#2</b>	<b>Angle Limitation</b>	<b>PT</b>	<b>18.9 %</b>
	N-2 Contingency 400 kV [PT-ES]		16.3 %
<b>#3</b>	<b>GLSK limitation</b>		<b>4.6 %</b>
	Base Case		4.6 %

\*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 (%)
<b>#1</b>	<b>Angle Limitation</b>	<b>PT</b>	<b>63.5 %</b>
	N-2 Contingency 400 kV [PT-ES]		54.1 %
<b>#2</b>	<b>Branch 400 kV</b>	<b>PT</b>	<b>34.6 %</b>
	N-2 Contingency 400 kV [PT-ES]		34.6 %
<b>#3</b>	<b>GLSK limitation</b>		<b>1.9 %</b>
	Base Case		1.9 %

\*GLSK limitation row includes GLSK limitations and flow divergences divisions