

# SWE Intraday Capacity Calculation external report

This document reports results of the external parallel run from the 01/11/2021 to the 07/11/2021.

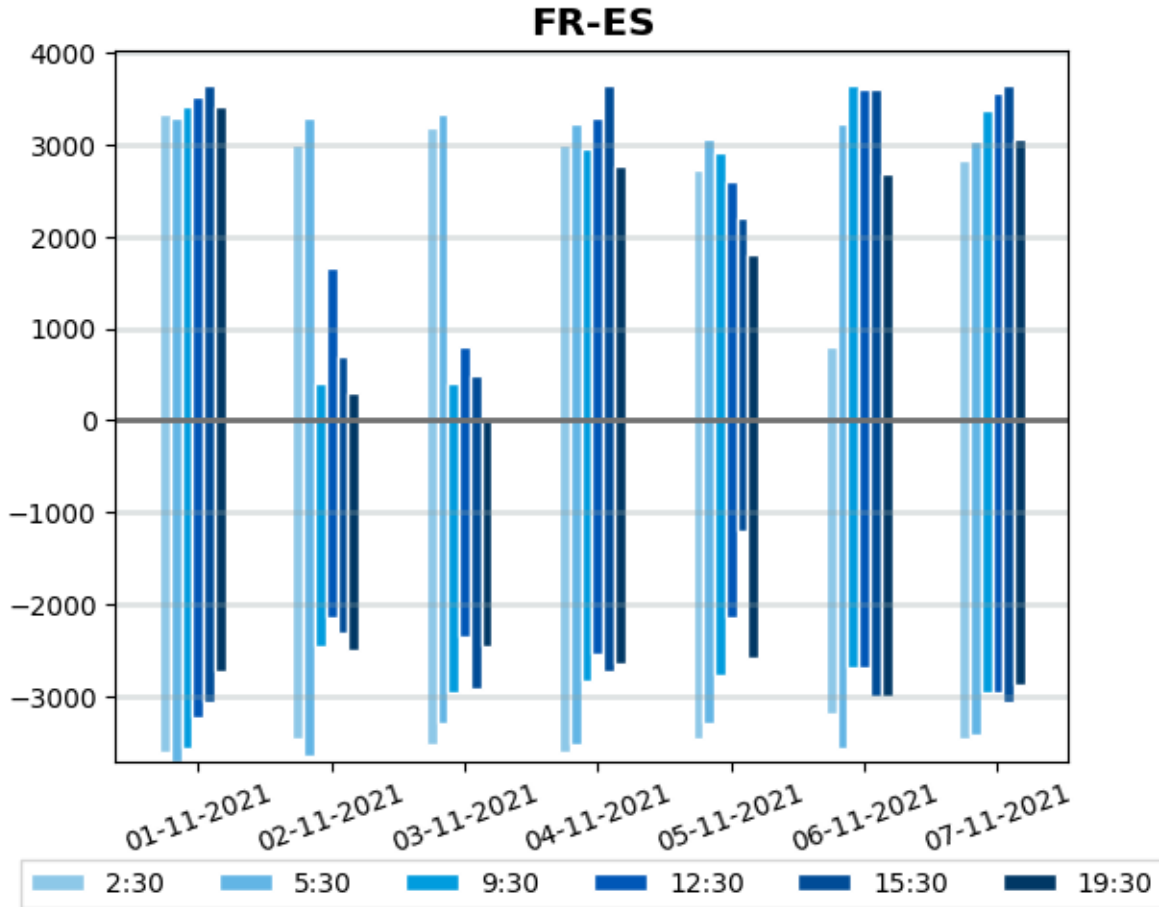
## FR-ES NTCs

	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
01-11-2021	3607	3607	3330	3330	3700	3700	3283	3283	3561	3561	3422	3422
02-11-2021	3422	3468	3376	3006	3283	3653	3468	3283	2636	2450	3653	400
03-11-2021	3376	3515	3376	3191	3422	3283	3330	3330	2867	2960	3468	400
04-11-2021	3283	3607	3098	3006	3052	3515	3237	3237	2543	2821	3376	2960
05-11-2021	3330	3468	2867	2728	3283	3283	3052	3052	2200	2775	2960	2913
06-11-2021	3145	3191	3237	800	3330	3561	3376	3237	3052	2682	3653	3653
07-11-2021	3422	3468	3006	2821	3607	3425	3330	3034	2960	2960	3607	3376

\*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: did not come up this week. The table shows D-2 TTC values applied for BD 01-11-2021 given that CapDoc\_Final could not be read. Fuchsia color represents lack of time to perform calculations and D-2 TTC values are applied.

	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
01-11-2021	3237	3237	3515	3515	3052	3052	3653	3653	2728	2728	3422	3422
02-11-2021	2150	2150	3700	1650	2590	2300	3653	700	2450	2497	3191	300
03-11-2021	2450	2350	3561	800	2497	2913	3653	500	2200	2450	3330	0
04-11-2021	2200	2543	3468	3283	2450	2728	3607	3653	2543	2636	2543	2775
05-11-2021	2050	2150	3653	2590	2200	1200	3653	2200	2100	2590	3052	1800
06-11-2021	2682	2682	3607	3607	3006	3006	3607	3607	3006	3006	2682	2682
07-11-2021	2960	2960	3561	3561	3052	3052	3653	3653	2867	2867	3052	3052

\*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: did not come up this week. The table shows D-2 TTC values applied for BD 01-11-2021 given that CapDoc\_Final could not be read. Fuchsia color represents lack of time to perform calculations and D-2 TTC values are applied.



#### Comments

On FR-ES border, 35 computations failed during this week of external parallel run.  
28 computations were replaced by D-2 values as fallback procedure.

IDCC results from next days were not available due to IT issues: 01-11-2021

#### PT-ES NTCs

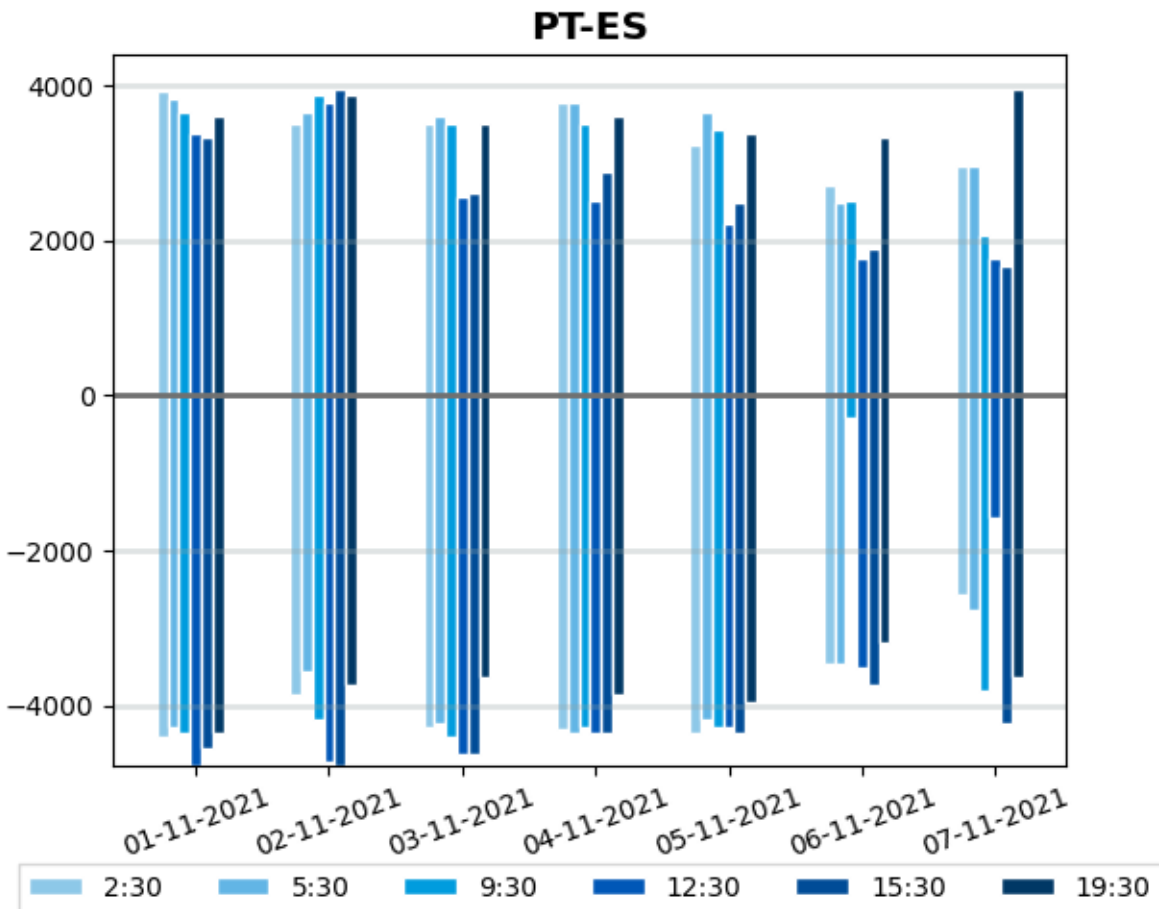
	2:30				5:30				9:30			
	ES-PT		PT-ES		ES-PT		PT-ES		ES-PT		PT-ES	
	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run	D-2	IDCC 1st run
01-11-2021	4410	4410	3915	3915	4275	4275	3825	3825	4365	4365	3645	3645
02-11-2021	4545	3870	3600	3510	4230	3555	3600	3645	4320	4185	3870	3870
03-11-2021	4140	4275	4100	3510	4050	4230	3330	3600	4185	4410	3555	3510
04-11-2021	4410	4320	4005	3780	4320	4365	4140	3780	4410	4275	3690	3510
05-11-2021	4320	4365	3600	3240	4185	4185	3645	3645	4050	4275	3600	3420
06-11-2021	4050	3465	4005	2700	4140	3465	3960	2475	3510	300	2520	2520
07-11-2021	3015	2565	2565	2970	3285	2783	2700	2952	4185	3825	1890	2070

\*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. The table shows D-2 TTC values applied for BD 01-11-2021

given that CapDoc\_Final could not be read. Fuchsia color represents lack of time to perform calculations and D-2 TTC values are applied.

	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
01-11-2021	4770	4770	3375	3375	4545	4545	3330	3330	4365	4365	3600	3600
02-11-2021	4725	4725	3375	3780	4770	4770	3600	3960	3735	3735	4050	3870
03-11-2021	4455	4635	2295	2565	4320	4635	2700	2610	3825	3645	3600	3510
04-11-2021	4545	4365	2700	2520	4545	4365	3060	2880	4275	3870	3690	3600
05-11-2021	4320	4275	2835	2205	4320	4365	2970	2475	3645	3960	3510	3375
06-11-2021	3510	3510	1755	1755	3735	3735	1890	1890	3195	3195	3330	3330
07-11-2021	3825	1575	1575	1755	4230	4230	1665	1665	3645	3645	3960	3960

\*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. The table shows D-2 TTC values applied for BD 01-11-2021 given that CapDoc\_Final could not be read. Fuchsia color represents lack of time to perform calculations and D-2 TTC values are applied.



## Comments

On PT-ES border, 32 computations failed during this week of external parallel run.  
24 computations were replaced by D-2 values as fallback procedure.

IDCC results from next days were not available due to IT issues: 01-11-2021

## 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>IT issue</b>		<b>53.9 %</b>
	Base Case		53.9 %
<b>#2</b>	<b>Branch</b>	<b>FR</b>	<b>15.8 %</b>
	N-1 Contingency 400 kV [FR-ES]		15.8 %
<b>#3</b>	<b>Tie Line 400 kV</b>	<b>FR-ES</b>	<b>7.9 %</b>
	Contingency [ES]		3.9 %
	Contingency [ES]		3.9 %
<b>#4</b>	<b>Branch 400 kV</b>	<b>FR</b>	<b>7.9 %</b>
	Base Case		7.9 %
<b>#5</b>	<b>Branch</b>	<b>FR</b>	<b>5.3 %</b>
	N-1 Contingency 400 kV [FR-ES]		5.3 %

## 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 225 kV</b>	<b>FR-ES</b>	<b>45.5 %</b>
	N-1 Contingency 400 kV [FR]		10.2 %
	N-1 Contingency 400 kV [ES-FR]		28.4 %
	N-1 Contingency [FR]		6.8 %
<b>#2</b>	<b>Tie Line 400 kV</b>	<b>FR-ES</b>	<b>19.3 %</b>
	Base Case		19.3 %
<b>#3</b>	<b>Tie Line 220 kV</b>	<b>FR-ES</b>	<b>19.3 %</b>
	N-1 Contingency 400 kV [ES-FR]		19.3 %
<b>#4</b>	<b>IT Issue</b>		<b>10.2 %</b>
	Base Case		10.2 %
<b>#5</b>	<b>Branch</b>	<b>FR</b>	<b>3.4 %</b>
	N-1 Contingency [FR]		3.4 %

## Limiting elements PT-ES

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

	CNEs and associated Contingencies	CNE Location	Frequency (%)
<b>#1</b>	<b>Angle Limitation</b>	<b>PT</b>	<b>62.9 %</b>
	N-2 Contingency 400 kV [PT-ES]		62.9 %
<b>#2</b>	<b>Tie Line 400 kV</b>	<b>ES-PT</b>	<b>34.3 %</b>

	N-2 Contingency 400 kV [PT-ES]	34.3 %
<b>#3</b>	<b>GLSK limitation</b>	<b>2.8 %</b>
	Base Case	2.8 %

\*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>Tie Line 400 kV</b>	<b>ES-PT</b>	<b>37.2 %</b>
	N-2 Contingency 400 kV [ES-PT]		37.2 %
<b>#2</b>	<b>Angle Limitation</b>	<b>PT</b>	<b>32.8 %</b>
	N-2 Contingency 400 kV [ES-PT]		34.3 %
<b>#3</b>	<b>Branch</b>	<b>PT</b>	<b>13.1 %</b>
	N-2 Contingency 400 kV [ES-PT]		13.1 %
<b>#4</b>	<b>GLSK limitation</b>		<b>13.1 %</b>
	Base Case		13.1 %
<b>#5</b>	<b>Branch</b>	<b>PT</b>	<b>2.2 %</b>
	N-2 Contingency 400 kV [ES-PT]		2.2 %

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