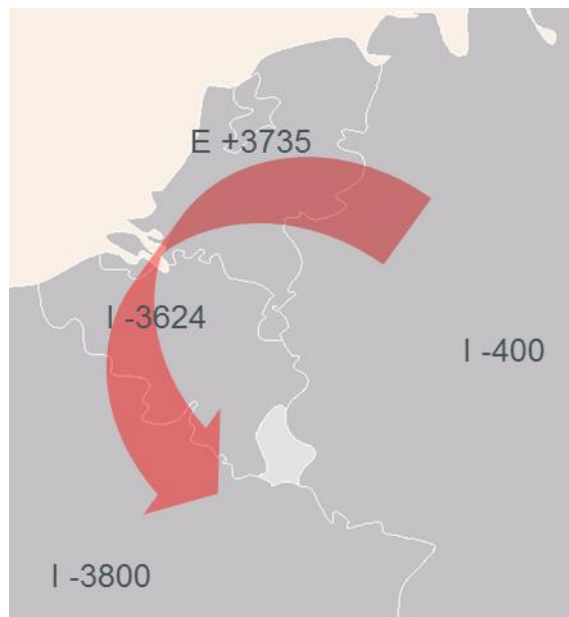


Winter 2014-2015

Agreed capacity coordination measures

Users' Group Meeting – Common WG
2014/12/02

Worst case = no wind and very high load



BE, NL, DE and FR TSO's took into consideration all the normal and exceptional topological actions to decrease the high unbalance of the flows.

Physical flows **Not Manageable** with these actions.

➔ The global flow from the North to the South has to be reduced by adjusting commercial exchanges on CWE borders.

= need for a coordinated combination of NTC's on several CWE borders

Exceptional capacity coordination

The following measures have been agreed and will be applied by Elia, Rte and TenneT NL in coordination with other CWE TSOs.

Before triggering these exceptional coordination measures, Elia will always take into account all measures and local topological actions available in Belgium.

The strategic reserve is one of these measures available in Belgium that will be activated before the coordination of exceptional measures between CWE TSOs are applied.

M-1 until D-2

Month Ahead:

A preventive reduction of monthly capacities can be considered on an “ad hoc” basis for each border to warrant electricity transfer to Belgium, in order to keep maximum flexibility for managing congestions during the D-2 stage.

Week Ahead: continuous monitoring of the adequacy situation in Belgium

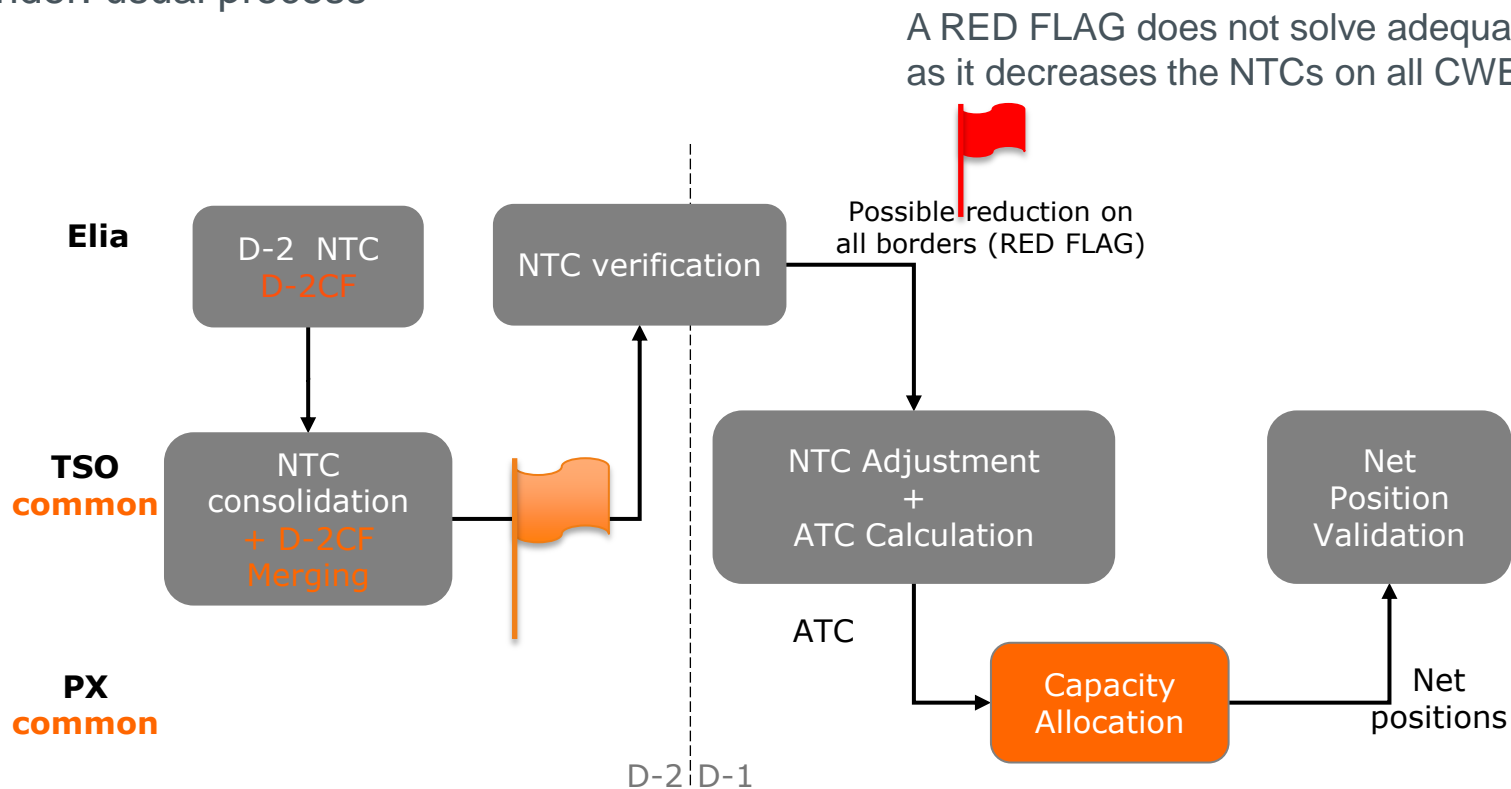
In case of scarcity risk, Elia will inform the Belgian government according to national procedures and will raise a “**week ahead adequacy flag**” to inform CWE TSOs and coordinating entities.

This “adequacy flag” will also mention the assumptions used by Elia to detect the “adequacy issues”.

Market parties and general public will be informed of the risk of scarcity through different channels put in place in Belgium (dedicated website, smartphone app, weather forecasts,...).

D-2 capacity coordination process

Reminder: usual process



During this Winter, an additional step can be activated: a D-2 ADEQUACY FLAG

D-2

A specific coordinated optimization of day ahead capacities has to be applied during the D-2 stage and is triggered by Elia with a “**D-2 adequacy flag**”:

- if the activation of all available measures in Belgium is not sufficient
 - to allow sufficient Belgian imports
 - to obtain a safe outcome of the day-ahead market coupling

Coreso and SSC will then calculate the **most optimal combination of CWE NTC values** to provide the maximum import capacity for Belgium which would be adequate *to avoid or minimize load shedding* in Belgium while respecting the following constraints:

- The network security of the grid should be respected
- Adequacy of France and The Netherlands should not be threatened by doing this specific process
- The adapted NTC will not be below the capacity allocated in Long Term

D-2

The two following actions are foreseen to force the energy to come from the south of Belgium rather than from the Netherlands or Germany:

- lower NL > BE in order to increase FR > BE
- lower both NL > DE and DE > FR

Reduced ATC sets:

- will be based on scenario's updated in function of relevant technical parameters
- need to be confirmed by CWE TSOs as adequate for avoiding load shedding in the entire CWE region

If the situation is better than anticipated, then the NTC reductions :

- could be undone during the day-ahead and/or intraday stage,
- will be undone before internal measures (including strategic reserve activation) applied by Elia are cancelled.

D-1 and ID

Day-ahead:

In case of “**D-1 Adequacy Flag**”, ID XB capacities FR>BE and NL>BE will be re-assessed to reduce the risk of load shedding in Belgium without endangering the grid security.

Intraday

An assessment of the intraday ATC's is performed by Coreso with updated and more accurate information related to grid topology, physical flows, availability of remedial actions and dynamic line rating.

Some ATC on DE-FR and NL-DE could be set to 0 (“frozen”) for the direction loading the limiting grid element:

- It will be performed in a coordinated way taking into account the balancing and network constraints of each TSO.
- Coreso and SSC will later check in intraday if these capacities could be increased again.

Real Time

If necessary, exceptional and emergency inter TSO actions will still be used to avoid as much as possible preventive load shedding.

Current Status

The DA ATC Capacity Calculation method has been adapted consequently, to add the possible D-2 adequacy step during the next winter

The official request has been sent to CREG

The current planning foresees a final decision on 11/12 after a short public consultation

Target for operational use: 12/12 (depending on regulatory approvals)

Many thanks for your attention!

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