# Belpex SRM

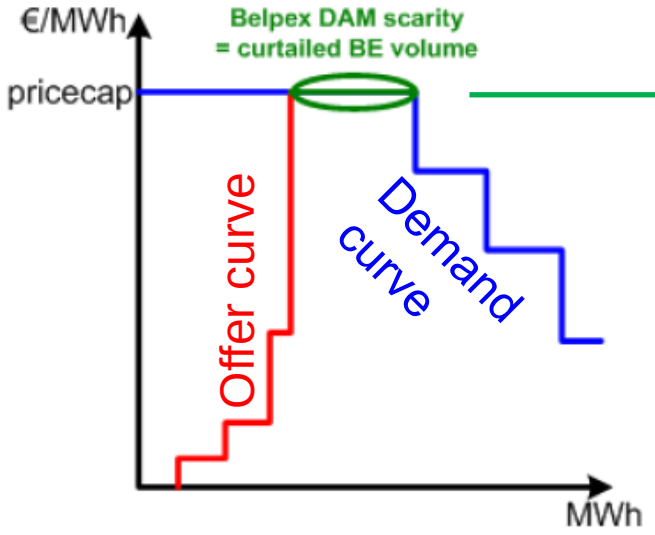
# Context

- BE government worried about generation adequacy as of 2015
- “Plan Wathelet” to guarantee Belgian SoS, incl. creation of strategic reserves, giving Elia role to contract & allocate SR
  - ‘Out of market’ reserve of generation & demand
  - During ‘winter period’, from 1 November until and including 31 March
- Allocation of SR based on market trigger or technical trigger
  - Economical trigger: curtailment on Belpex DAM
  - Technical trigger: Belpex not involved

# Economical trigger

## In case of curtailment on Belpex DAM:

- (Pro-rata) allocation of SR resources to non-matched purchase orders at maximum price on Belpex DAM
- Via new Belpex SRM (Strategic Reserves Market segment)

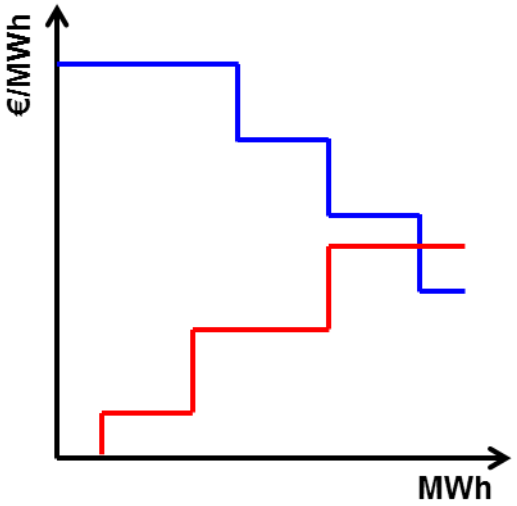



Non-matched limit orders at maximum price transferred to Belpex SRM @ 3000 €/MWh

# Daily Belpex DAM process

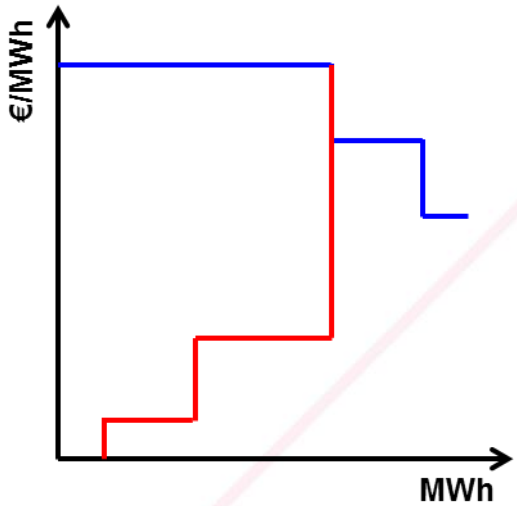
- Normal daily processes are executed
  - No changes
  - MRC or local auction
  - Including 2nd auction, …
- SR Allocation will only be triggered if:
  - the MCP DAM for at least one instrument equals the maximum price (currently 3000 €/MWh) and
  - limit buy orders at the maximum price have not been (completely) matched on the DAM

1



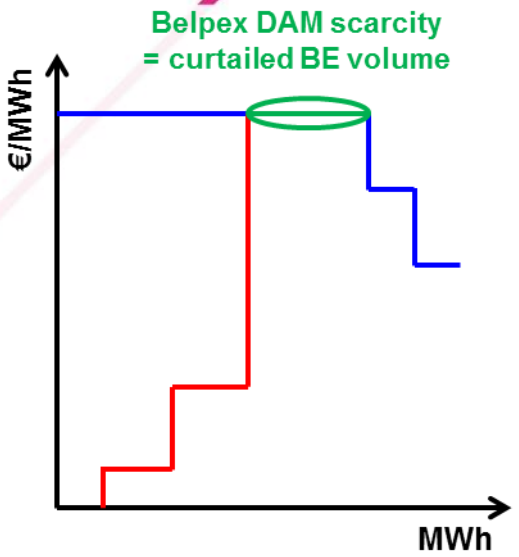

- Normal DAM price
- No need for SRM

2




- Max DAM price
- No curtailment
- No need for SRM

3




- Max DAM price
- Curtailment
- SRM executed

# Daily Belpex SRM process

## Allocation phase

- After publication of final DAM market results
- Participants will be notified via breaking message
- EL SR Module will:
  - Replicate all non-matched purchase limit orders at maximum price to Belpex SRM order book
  - Match replicated purchase orders from Participants with SR sell orders from Elia
    - **MCP will be 3000 €/MWh on DAM and SRM**
    - Using auction algorithm, so pro-rata allocation if SR capacity not sufficient to completely match all purchase orders

# Daily Belpex SRM process

## Result publication

- Publication similar to local DAM auction
  - No ‘preliminary results’
  - Participants will be able to consult their contracts/positions via normal EL screens
    - Contract Book, Position View, Auction Results (SRM MCV), …
- Breaking message published upon publication of Belpex SRM results
  - To alert Participants of this non-daily process
  - APX/Belpex realize importance of clear communication during operations

# Daily Belpex SRM process

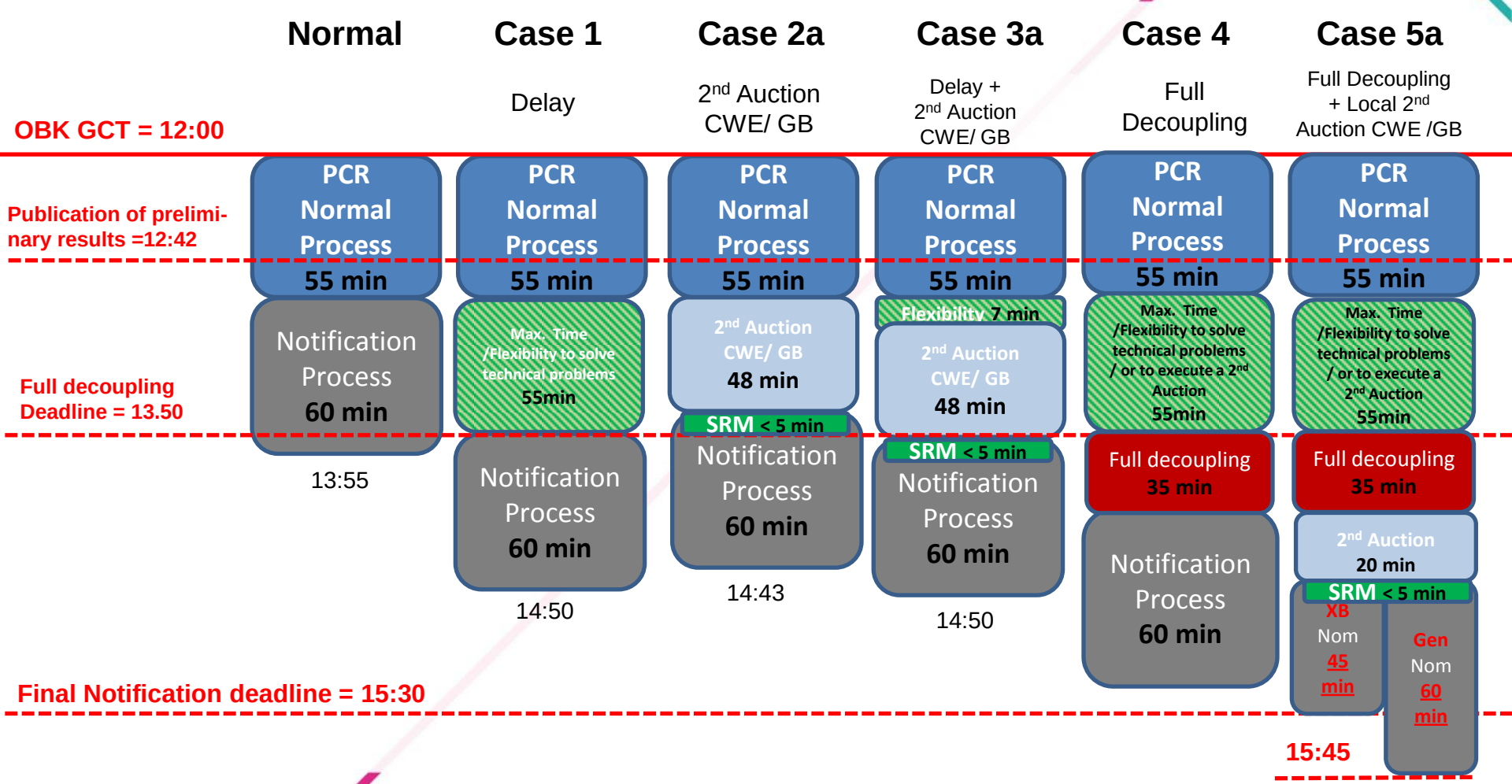
## Clearing, settlement & nomination

- After publication, SRM contracts will follow normal clearing, settlement & nomination processes
- Aggregated values of DAM & SRM to be nominated

## Reporting

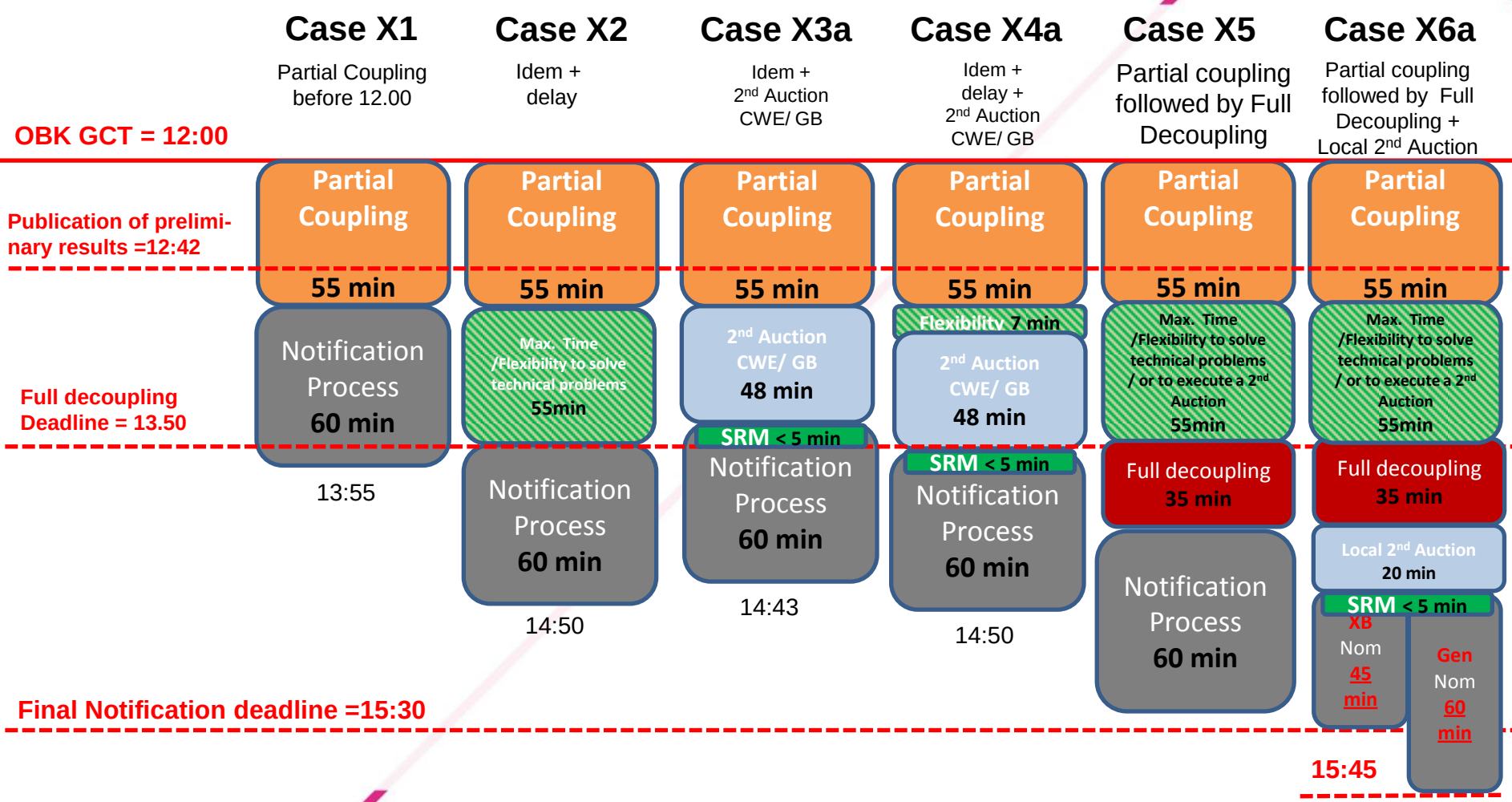
- Publication of SRM results on Belpex website
  - Separate publication of hourly Belpex SRM MCV
  - On dashboard with daily results
  - On page with historical market results
- Daily/weekly/monthly reports
  - Belpex SRM will be included

# Combined daily process*




* Refer to www.belpex.be for details of the MRC process

# Combined daily process*

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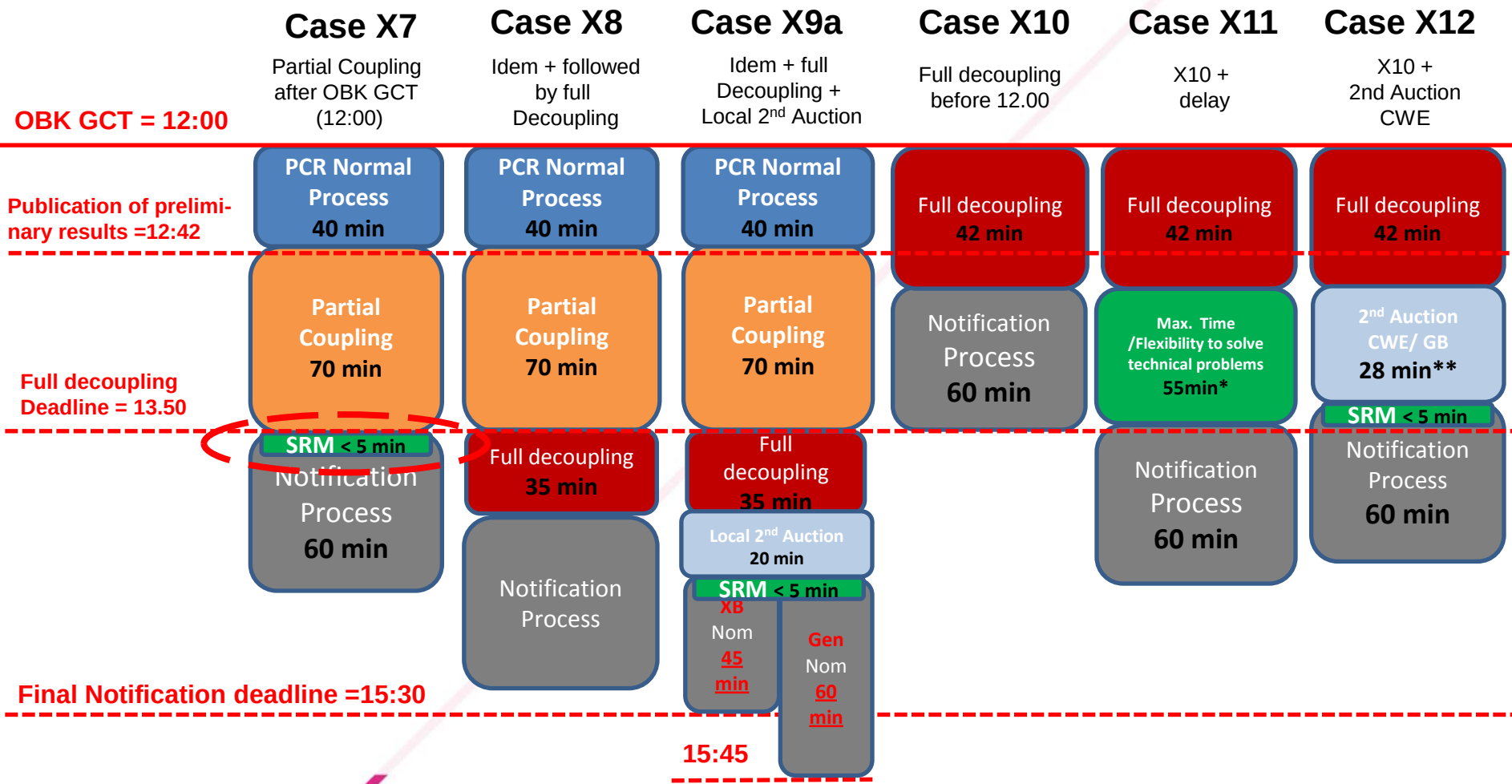




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# Most likely scenario
# Belpex SRM after 2nd auction*

| | | |
|---|---|---|
| **PCR Normal Process 55 min** | 12:00 | OBK GCT |
| | 12:00 – 12:10 | Check of OBK and sending to PMB |
| | 12:10 – 12:22 | Calculation |
| | 12:22 – 12:34 | Preliminary PX validation |
| **2nd Auction** | 12:36 | Trigger 2nd auction [Communication Exc_01] |
| | 12:55 | OBK GCT |
| | 12:55 – 13:05 | Check of OBK and sending to PMB |
| | 13:05 – 13:17 | Calculation |
| | 13:17 – 13:29 | Preliminary PX validation |
| | 13:33 | Publication of preliminary results DAM |
| | 13:33 – 13:45 | Final TSO validation |
| | 13:50 | Publication of Final Results DAM |
| **Belpex SRM < 5 min** | 13:50 | Check of DAM results and trigger of SRM |
| | 13:50 – 13:55 | Replication relevant DAM orders to SRM OBK and calculation |
| | 13:55 | Publication of Final Results SRM |
| **Notification Process > 60 min** | 13:55 – 15:30 | Nomination of aggregated position for DAM and SRM to Elia |
| | 15:30 | Elia Hub-nomination GCT |



* Indicative timings