

# Central Dispatch Systems

## Network Code Electricity Balancing 3<sup>rd</sup> Public Workshop

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Disclaimer: Presentation based on the draft version  
1.30 of NC EB



**About 50 comments were received on the provisions regarding Central Dispatch Systems (CDS). The main concerns are:**

- Request for more details regarding conversion in CDS
- BSP in CDS system should submit offers directly to common procurement (without conversion)
- Central Dispatch Systems should not be allowed (or allowed only in transitory period)
- Central Dispatch Systems should not exchange balancing services and should not participate in any CoBA

# Preliminary answers to the consultation results



- **Definitions of Central Dispatch System (CDS) have been expanded**
- **Description of offer modification in Central Dispatch Systems was moved to separate article and expanded.**
- **Possibility of bids modification by CDS TSOs has been kept, as:**
  - modification is the only way to include in a common merit order list the balancing offers from central and self-dispatch systems, which are originally incomparable,
  - after modification of central dispatch offers we will obtain feasible offers which could be directly used in common procurement process
  - other solutions will cause isolation of Central Dispatch Systems
- **Principles of cooperation between Central and Self Dispatch systems have been kept, as:**
  - Separation of CDS is against basic principles of integration and cooperation in balancing process
  - Scheduling and dispatch arrangements in given area results from many reasons, specific local needs and grid structure and cannot be changed due to the participation in cross border balancing processes

# Central Dispatch Systems (Art. 2)



- **Central Dispatch System** system where, due to grid structure, the TSO has to perform **Integrated Scheduling Process** to determine the **Unit Commitment** of dispatchable generation or demand resources and issues dispatch instructions directly to these resources.
- **Integrated Scheduling Process** continual process performed in order to ensure secure system operation
  - starts day ahead the delivery and last until real-time.
  - is implemented as an optimisation problem where Balancing, congestion management and Balancing Reserves procurement are performed simultaneously
  - based on bids and offers provided by market participants as well as technical parameters.
  - determines the Unit Commitment of majority of system resources capacity

# Central Dispatch Systems (Art. 2)



- **Unit Commitment** scheduling of generation or load resource for each time interval representing among others:
  - running state of unit;
  - load or generation level; and
  - switching states of automatic regulation system
- **Self Dispatch System** means a dispatch arrangement in a Relevant Area where the schedule of all generation and demand is determined solely by the units owners.



# Acknowledgment as Central Dispatch TSO (Art. 23)

- Each TSO may apply to NRA to be acknowledged as a TSO operating a Central Dispatch System describing:
  - the local market arrangement
  - the scheduling arrangement:
  - the dispatch arrangement:
- NRA decides whether TSO shall be acknowledged as Central Dispatch or not
  - NRA informs ACER about its decision

# Cooperation of Central and self Dispatch TSOs



- **The cooperation within CoBA shall include cooperation amongst and between Self and Central Dispatch TSOs (art. 11)**
- **Establishing CoBAs TSOs shall take into account the parallel existence of Central and Self Dispatch Systems (recitals)**
- **Most of provision of NC apply both for Central and Self dispatch systems**

# CDS TSO on balancing market



- Central Dispatch TSOs are entitled to use Integrated Scheduling Process (ISP) Bids in the process of Exchange of Balancing Services (art. 27)
- Central Dispatch TSOs are entitled to modify ISP Bids for the purpose of Exchange of Balancing Services and ensuring Operational Security (art. 27)
  - To obtain offers compatible with standard products
  - To enable full activation of all feasible bids within one process
  - To allow full cooperation on balancing market
- Central Dispatch TSOs are entitled to activate ISP Bids before Balancing Gate Closure Time (art. 17)



# CDS TSO on balancing market (art. 27)

- Process of Bids Modification shall:
  - be fair, transparent and non-discriminatory
  - not unduly limit Exchange of Balancing Services
  - be approved by NRA
- Central Dispatch TSOs shall submit modified offers to the common procurement/activation according the same rules as Self Dispatch TSOs
  - The same timing of bids submission to CMOL
  - The same CMOL bids firmness rules
  - The same requirement to submit all bids compatible with operational security (except unshared bids allowed in transitory period)
- The same settlement rules for central and self dispatch