

The background of the slide is a faded, light-colored image of high-voltage electrical transmission towers and power lines, stretching across the entire width of the slide.

What's new in balancing rules and balance netting, the balancing market and cross-border balancing cooperation

Presenter:

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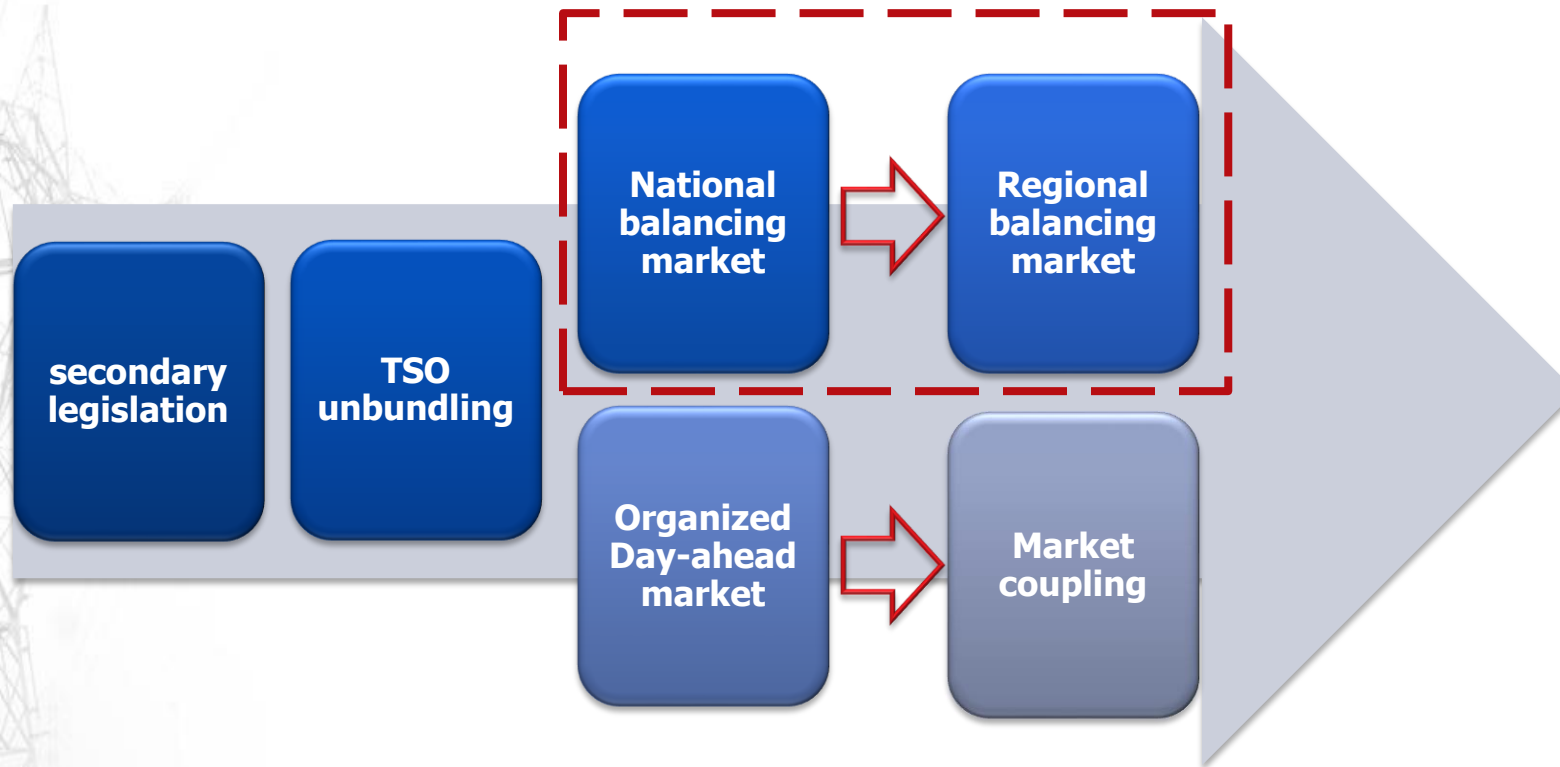
Responsible engineer for Balancing Market

26 September 2019, Marriott Hotel, Skopje

Adoption of new energy law

Future steps and challenges

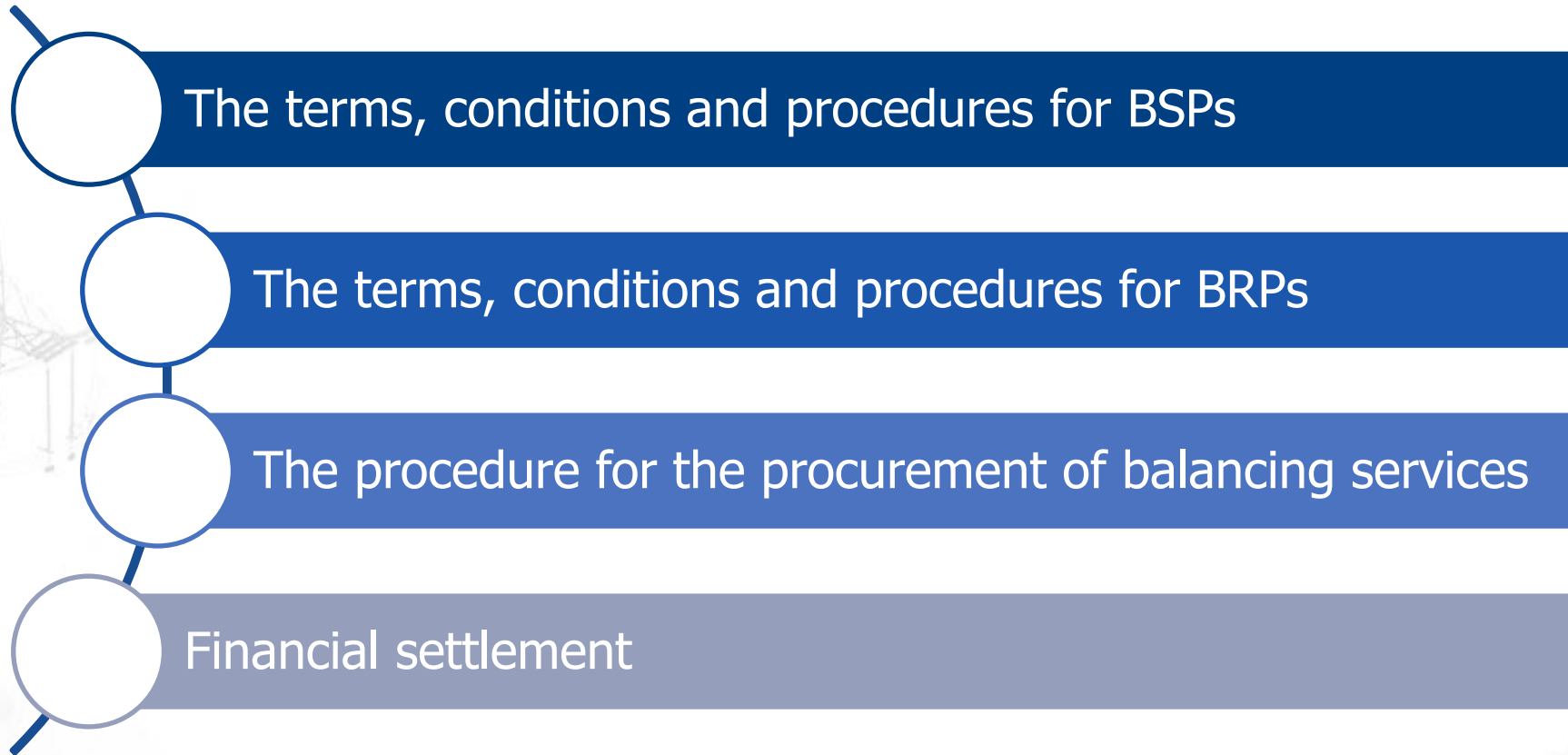
- Transposition of the third energy package and NC&GL
- Implementation according new energy law



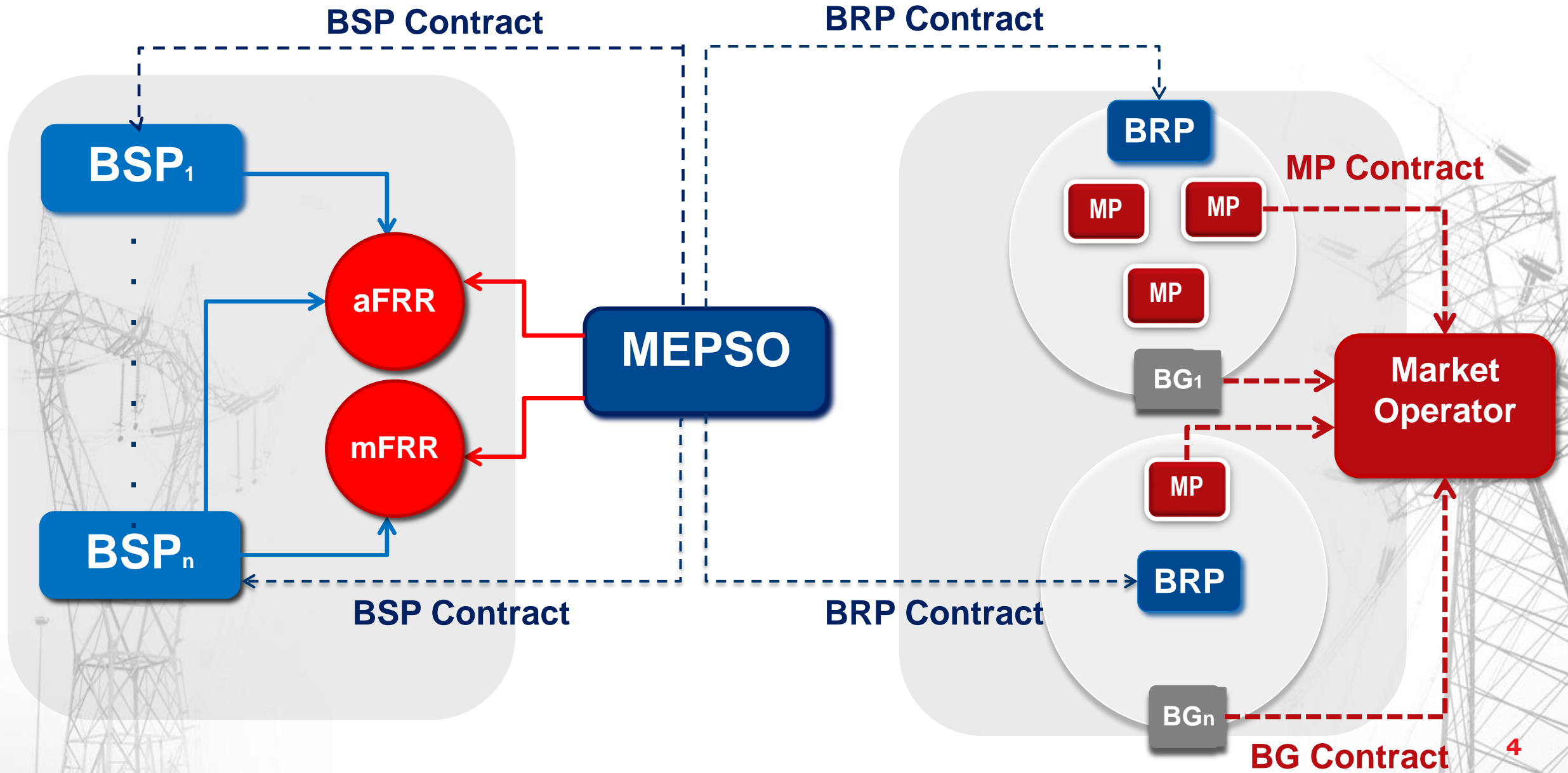
According NC&GL
and Berlin Process -WB6

Balancing rules- in force on 1st January 2020

- Balancing rules are objective, transparent, non-discriminatory and market-oriented and they especially regulate:

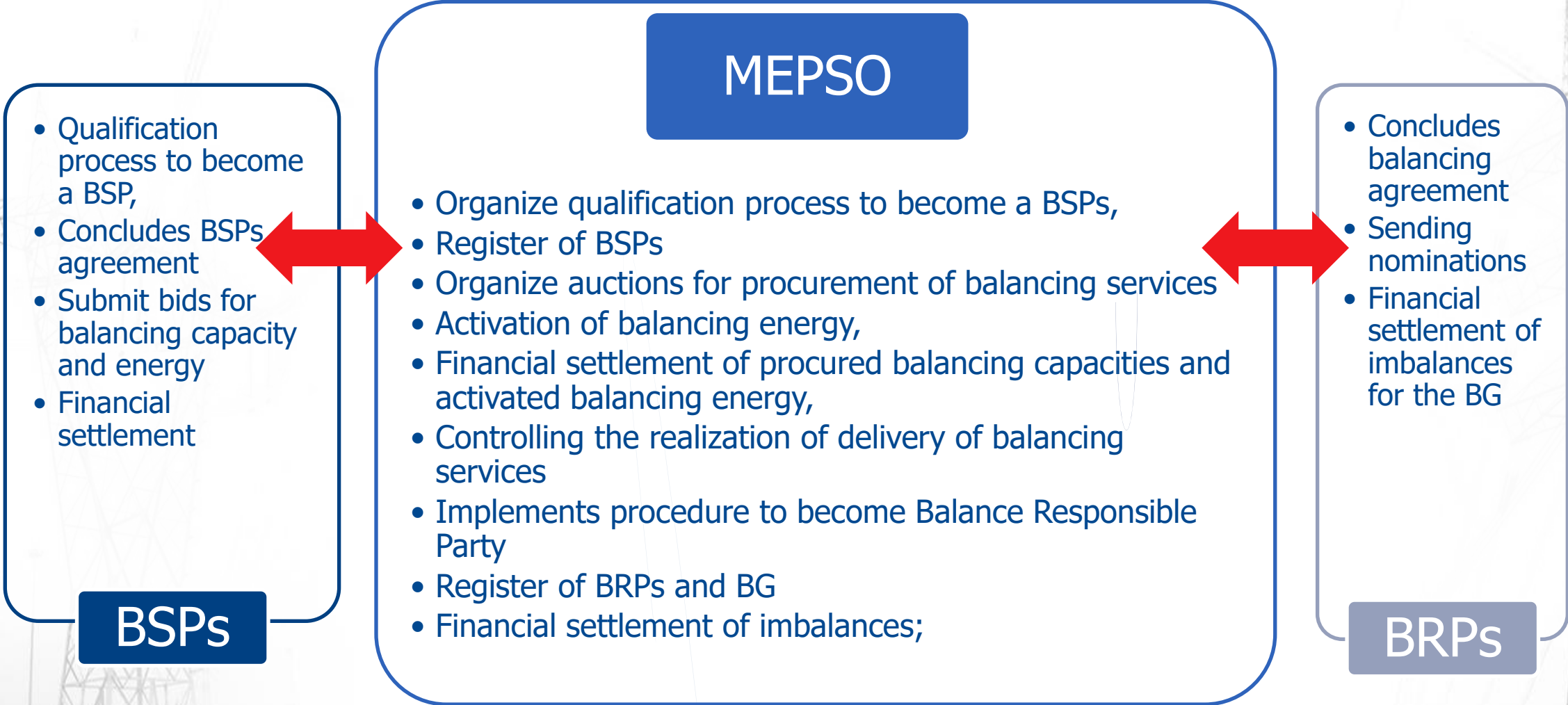


THE BALANCE SCHEME

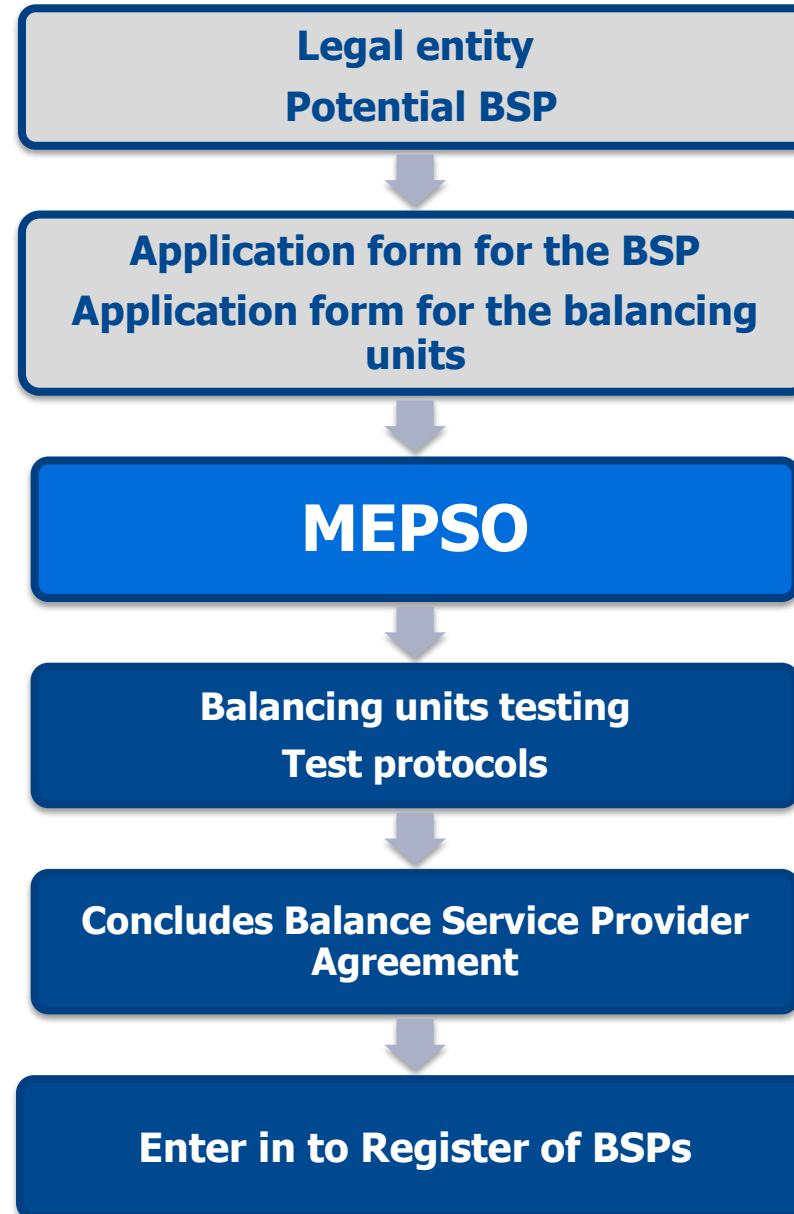


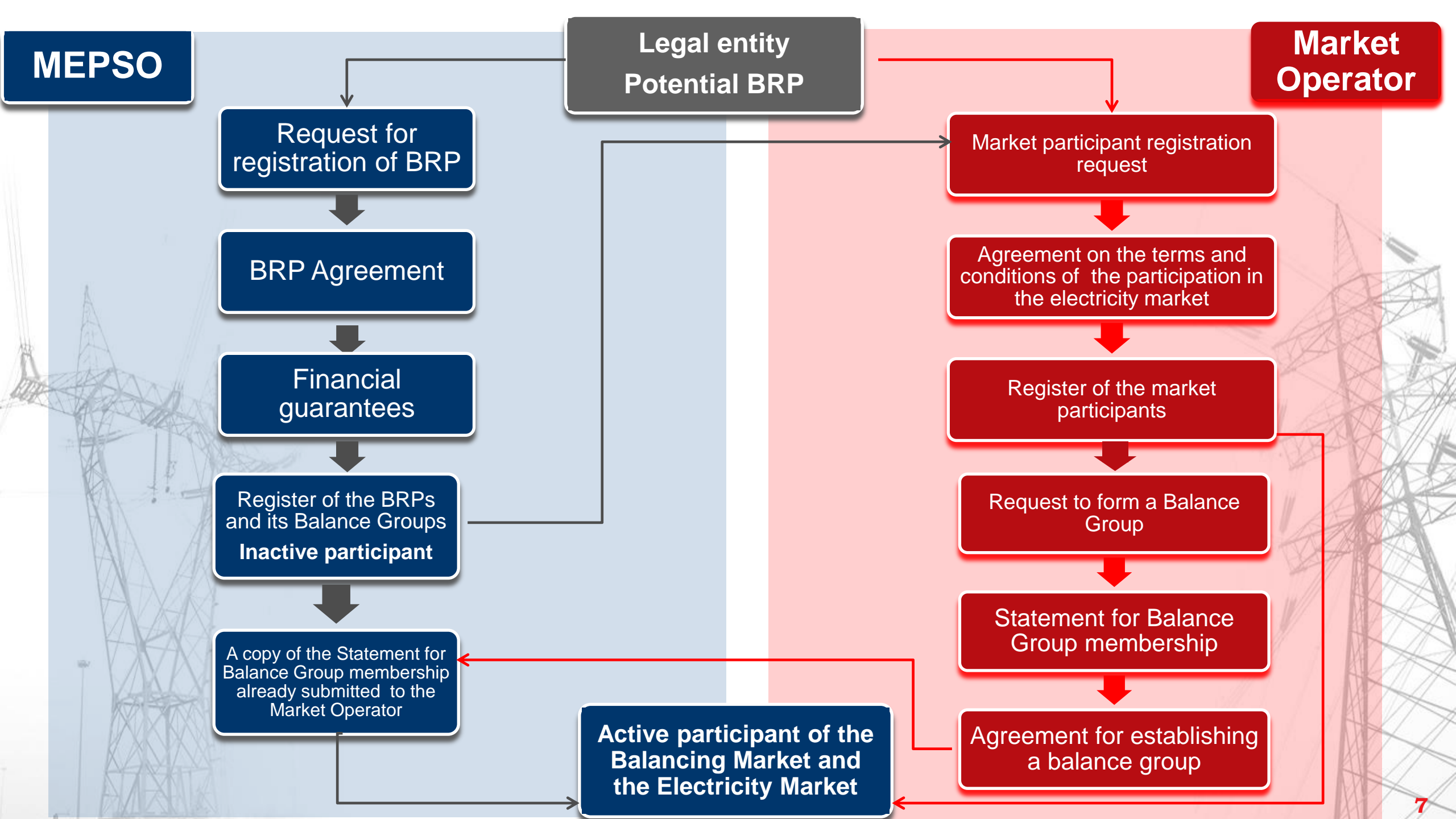
Balancing electricity market -roles and responsibilities

According to energy law and balancing rules, MEPSO is in charge to control and organize the Balancing electricity market by procuring balancing services in the form of FCR, aFRR, mFRR and RR provided by BSPs

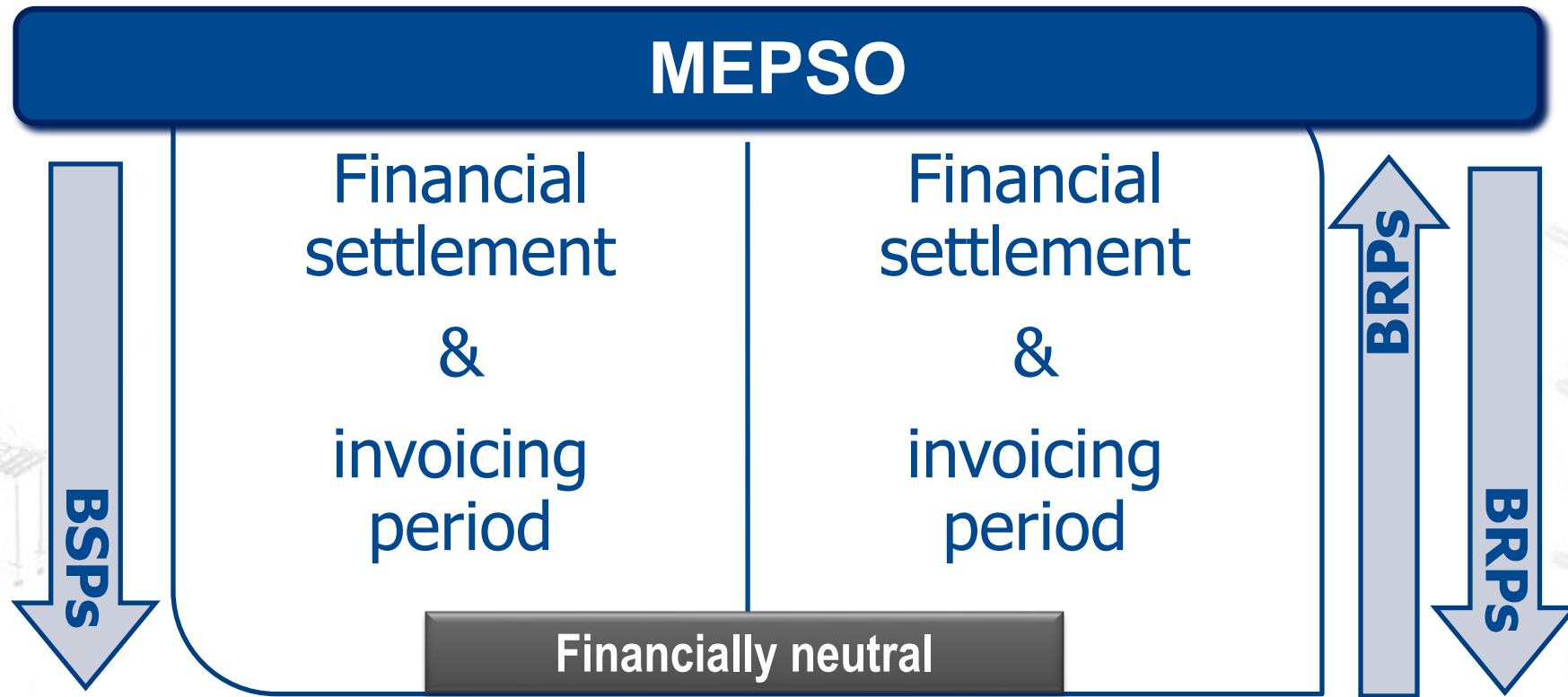


BSPs registration process



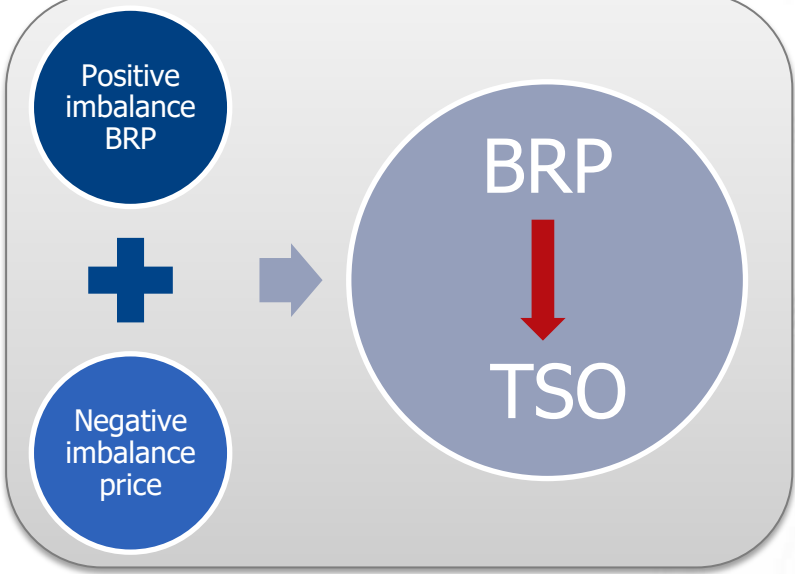
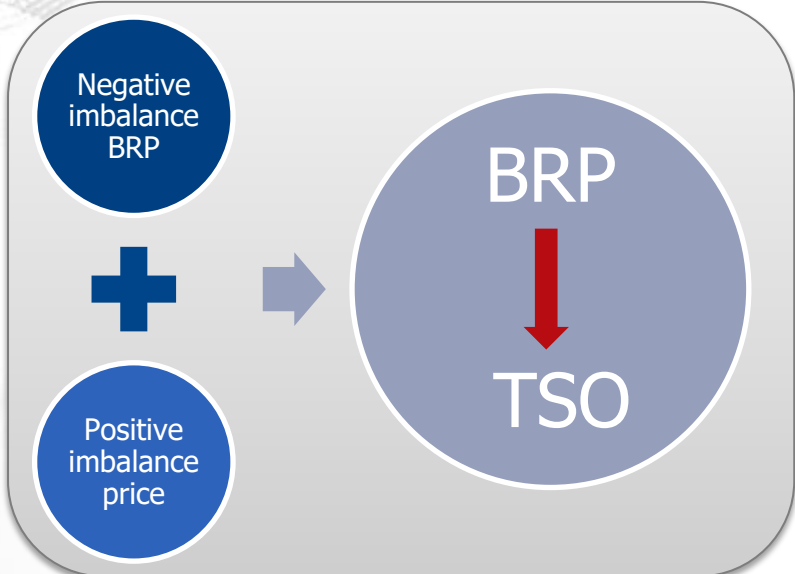
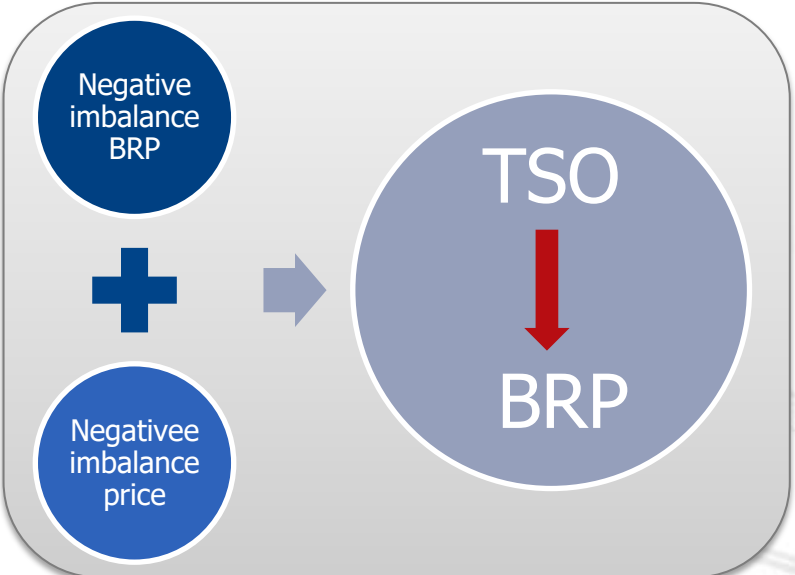
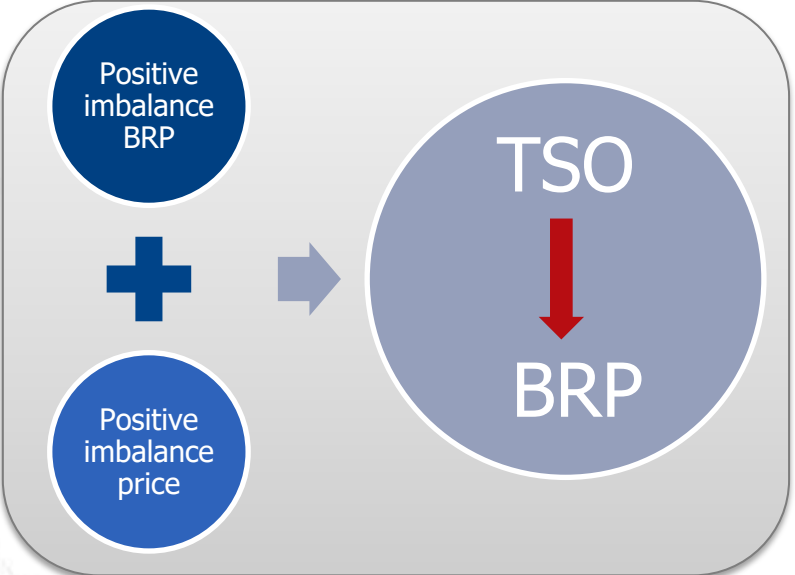


Financial settlement



The cost of MEP SO for purchasing of aFRR and mFRR balancing energy will be allocate to the BRPs

Financial settlement between MEPSO and BRP



aFRR Procurement process

- TSO procures the required amount of aFRR balance capacity and balance energy from BSPs on a market basis by conducting auctions in accordance with these Rules
- TSO conducts auctions for procurement of aFRR balance capacity and balance energy for next year until December 31 of the current year
- TSO adopts Rules for procurement of aFRR balance capacity and balance energy for the next year and publishes them on its website by October 31 of the current year

aFRR Procurement process

aFRR balancing capacity

Annual auctions for each month separately

Monthly product with the same values for all hours in the month

Acceptance criterion is the cheapest bid

aFRR balancing energy

daily auctions

Hourly product that is different for each direction and for each period

Merit order list, first bids with the lowest price

Acceptance criterion according Merit Order List

mFRR Procurement process

- TSO procures the required amount of mFRR balance capacity and balance energy from BSPs on a market basis by conducting auctions in accordance with these Rules
- TSO conducts auctions for procurement of mFRR balance capacity and balance energy for next year until December 31 of the current year
- TSO adopts Rules for procurement of mFRR balance capacity and balance energy for the next year and publishes them on its website by October 31 of the current year

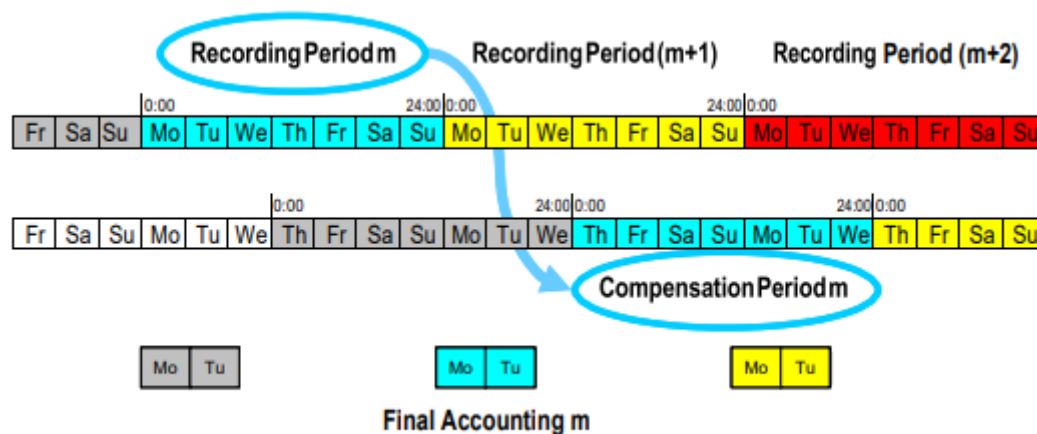
mFRR Procurement process

mFRR balancing capacity		
Monthly auctions	Monthly product with the same values for all hours in the month	Acceptance criterion is the cheapest bid

mFRR balancing energy			
daily auctions	Hourly product that is different for each direction and for each period	Merit order list, first bids with the lowest price	Acceptance criterion according Merit Order List

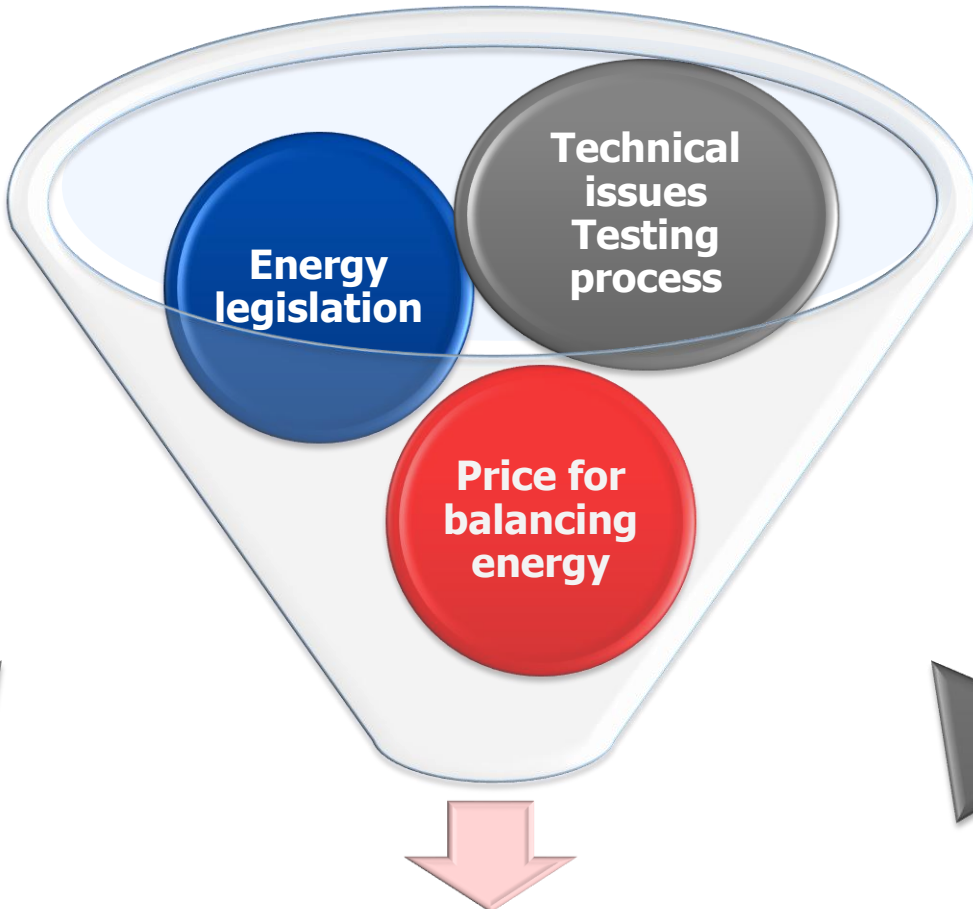
Compensation mechanism

- The TSO procures, or delivers, the quantities of electricity resulting from the process of compensation for unintentional deviations in a public and transparent manner.
- The TSO prepares the Rules for procurement and delivery of the compensation electricity
- The costs, i.e. revenues from the procurement or delivery of electricity to offset the unintentional deviations shall be submitted to the ERC (Energy and Water Services Regulatory Commission) in the procedure for establishing the electricity transmission tariff.



Challenges, obstacles and steps for implementation of Regional Balancing Market

National balancing market



Balance responsibility

Regional Balancing Market - ΠΤΡΕ (mFRR) module – SMM block

PAN European level projects

- IGCC - International Grid Control Cooperation

MEPSO has observatory status

Regional level

IGCC- testing (exchange of data) within the SMM block on INOM
Imbalance Netting Optimization Module



THANK YOU !