

## Dry Run of Explicit flow-based Coordinated Auctions in SEE region



**Explicit flow-based Coordinated Auctions** uses the flow factors (PTDF - Power Transfer Distribution Factors) in order to assess the influence of natural flows corresponding to each border transaction.

The dedicated software, DrCAT, made by Verbund APG, uses PTDF matrix to calculate the natural flows and then compares the sum of the each border flows and on each direction with the corresponding border capacity in order to allocate in a coordinated manner the available capacity. The dry-run CA simulation is under SETSO (South-east European Transmission System Operators) coordination.

A market participant who intend to export or import energy may reserve transmission capacity on all interconnections involved in the expected transaction specifying in the sent bid the power in MW, the source country, the sink country, the transaction direction and the bid price.

Further information regarding coordinated explicit flow-based auction method can be found at: [www.etsonet.org](http://www.etsonet.org)

**auctions** (market based method)

**explicit** (process of allocation of transmission capacity only (MW), without electricity trade)

**coordinated** (simultaneous capacity allocation at more than one border)

**flow-based** (with considering real power flow paths (through PTDFs) originated by the transactions, and physical limitations (BC - border capacity))

The market participants, EURELECTRIC members or EFET members may participate to this simulation. In this respect, they are invited to address:

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