



AZ ELECTRICITY BALANCING NETWORK CODE

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2016.12.18.

Electricity Balancing rendelettervezetről általánosságban

- Rendelet- közvetlen alkalmazandó
- „The objectives of the guideline include increasing the opportunities for cross-border trading and the efficiency of balancing markets.”
- Technikai jellemzők:
„guideline on electricity transmission system operation” és „network code on electricity emergency and restoration” - elfogadás alatt

Főbb fogalmak (1.)

- **frequency containment reserves-** means the active power reserves available to contain system frequency after the occurrence of an imbalance;**(30 sec)**
- **frequency restoration reserves-** the active power reserves available to restore system frequency to the nominal frequency and, for a synchronous area consisting of more than one LFC area, to restore power balance to the scheduled value **(15 min)**
https://www.entsoe.eu/fileadmin/user_upload/library/resources/BAL/121022_Survey_on_AS_Procurement_and_EBM_design.pdf
- https://www.entsoe.eu/Documents/MC%20documents/balancing_ancillary/160229_Report_aFRR_study_merit_order_and_harmonising_FAT_%28vs_1.2%29.pdf
- **replacement reserves-** means the active power reserves available to restore or support the required level of FRR to be prepared for additional system imbalances, including operating reserves **(15min-1 hour)**

Határidők (1.)

- Hatályba a kihirdetést követő 20. napon lép, de fő szabályok 1 évvel később alkalmazandók.
- Tartaléknyújtók **(BSP) Szabályzata** - 6 hónappal a hatálybalépést követően
- Proposal for implementation framework on Exchange of BE from **replacement reserves**- 6 hónappal a hatálybalépést követően, amit 1 évvel az elfogadását követően alkalmazni kell
- Proposal for implementation framework on Exchange of BE from **frequency restoration reserves**- 1 évvel a hatálybalépést követően, amit 30 hónappal az elfogadását követően alkalmazni kell

Határidők (2.)

- **List of standard products** for frequency restoration reserves and replacement reserves- 2 évvel a hatálybalépést követően
- **Methodology to determine prices for balancing energy** – 1 évvel a hatálybalépés követően
- TSOs shall develop a proposal for the **methodology** for co-optimised/market based/economic efficiency analyst based **allocation processes of cross-zonal capacity**- 2 évvel a hatálybalépést követően

Határidők (3.)

- TSOs shall develop a proposal **to harmonize the methodology for allocation processes of cross-zonal capacity**- 5 évvel a hatálybalépést követően
- All TSO shall apply the **imbalance settlement period of 15 minutes** in all scheduling areas- 3 évvel a hatálybalépést követően

Főbb fogalmak (2.)

Standard products

- (a) preparation period;
- (b) ramping period;
- (c) full activation time;
- (d) minimum and maximum quantity;
- (e) deactivation period;
- (f) minimum and maximum duration of delivery period;
- (g) validity period;
- (h) mode of activation.

Főbb fogalmak (3.)

European platform for exchange FFR TSO shall use EU platform to:

(a) submit all balancing energy bids from all standard products for frequency restoration reserves with automatic activation;

(b) exchange all balancing energy bids from all standard products for frequency restoration reserves with automatic activation;

(c) strive to fulfil all their needs for balancing energy from the frequency restoration reserves with automatic activation.

Főbb fogalmak (4.)

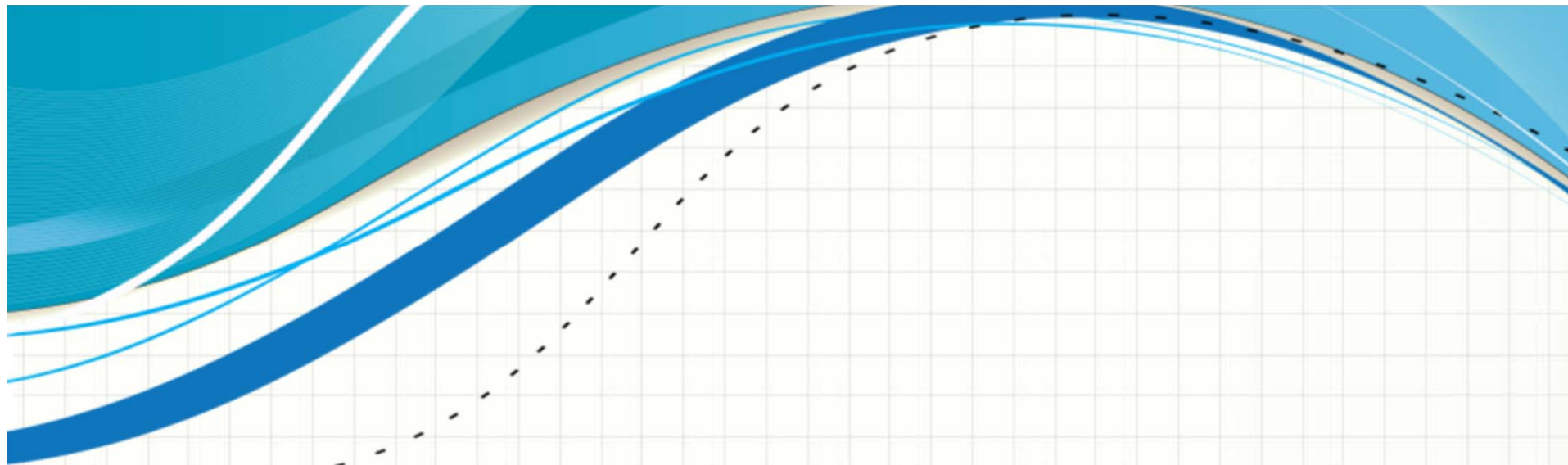
Pricing for balancing energy and cross-zonal capacity:

- (a) be based on marginal pricing (pay-as-cleared);
- (b) define how the activation of balancing energy bids activated for purposes other than balancing affects the balancing energy price, while also ensuring that at least balancing energy bids activated for internal congestion management shall not set the marginal price of balancing energy;
- (c) establish at least one price of balancing energy for each imbalance settlement period;
- (d) give correct price signals and incentives to market participants;
- (e) take into account the pricing method in the day-ahead and intraday timeframes

Főbb fogalmak (5.)

The allocation of cross-zonal capacity (contracting not more than one day in advance) based on a market-based allocation shall be limited to 10% of the available capacity for the exchange of energy of the previous relevant calendar year between the respective bidding zones.

The allocation of cross-zonal capacity (contracting done more than one week in advance) based on an economic efficiency analysis shall be limited to 5% of the available capacity for the exchange of energy of the previous relevant calendar year between the respective bidding zones



KÉRDÉSEK?