



FÖLDGÁZSZÁLLÍTÓ

A MOL-CSOPORT TAGJA



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Regional Booking Platform

Network User Trainings

Siófok, 4-5 November 2014
Medias, 11-12 November 2014

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Legjobb Munkahely
Világgazdaság – Aon Hewitt 2011

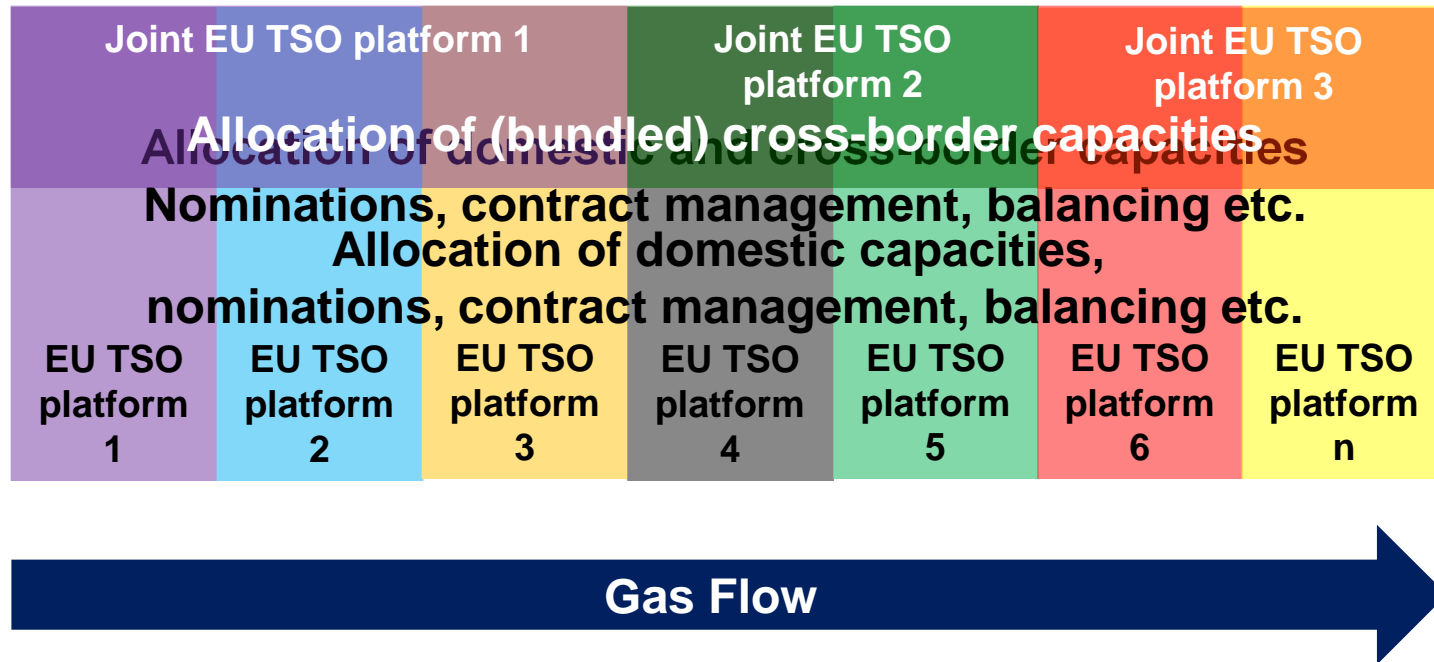


Legjobb Munkahely
Világgazdaság – Hewitt Felmérés 2010



Best Employer
Central Eastern Europe 2010/2011

Joint Capacity Booking Platforms in the EU



CAM NC Pilot



A Summary of the Regional Booking Platform

- A capacity booking platform developed by FGSZ for the full compliance with CAM NC
- **Thin client solution** for both TSOs and network users (quick and easy access), which also radically limits TSO connection costs
- **IP-by-IP based** applicability (does not require exclusivity from TSOs)
- **User-friendly** interfaces
- **Robust** IT solution
 - Ability to service a high number of IPs (peak service load designed for 300 simultaneous capacity auctions)
 - 24/7 availability guaranteed by the RBP Operator (cf. within-day auctions)
- **Customisable** / on-demand functionality for TSOs and network users
- Flexible business model
- NRAs of the associated TSOs supervise platform operation

CAM NC Pilot

TSOs

Network Users



- Producers
- Traders
- Shippers
- Large consumers



The Regional Booking Platform



Network User Requirements

Contractual requirements of accessing RBP

- Registration process
 - Fill in the registration form on the RBP Portal (<https://rbportal.fgsz.hu>)
 - Save and print the registration form from the RBP and send 2 duly signed copies to FGSZ
 - Print and duly sign 2 copies of the Network User Membership Agreement and send it to FGSZ
 - If the registration is formally compliant, FGSZ will register the NU for RBP

Technical prerequisites of accessing RBP

- Appropriate digital certificate(s) (required anyway for HU network usage)
- Internet connection, a common web browser with Flash player
- Good screen resolution, 1280*1024 recommended for 3+ parallel running auctions

Acceptance of the terms and conditions

- In order to be able to register for RBP, the Network User has to accept the following documents (upon registration only)
 - Network User Membership Agreement
 - Operational Rules of the RBP
 - All applicable terms and conditions of the relevant TSO
- In order to be able to place bids in the capacity auctions, the TSO has to validate the Network User, whether
 - The Network User is eligible to use the TSO's network, according to the applicable national laws
 - The Network User has provided a financial guarantee for the TSO, which will be the bidding limit according to the TSO's credit limit policy
- There are no repetitive confirmations required by the network users, e.g. before each auction or each login, etc.



Phases of an Auction on RBP

1. The TSOs submit their agreed auction calendar to the RBP Operator
2. The RBP Operator publishes the auction candidates = auctions without any business data, ready to be edited by the TSOs online on RBP
3. Specific deadlines have to be respected by the TSOs:
 1. Auction (capacity product) publication deadline according to CAM NC → closed and matched when the deadline comes
 2. Network user access parameters → closed when the deadline comes
4. Auction statuses:
 1. Scheduled (candidate)
 2. Setting (under editing)
 3. Set (capacity product published)
 4. Active (open auction or auction round)
 5. PitStop (auction in the pause phase)
 6. Closed (auction ended)

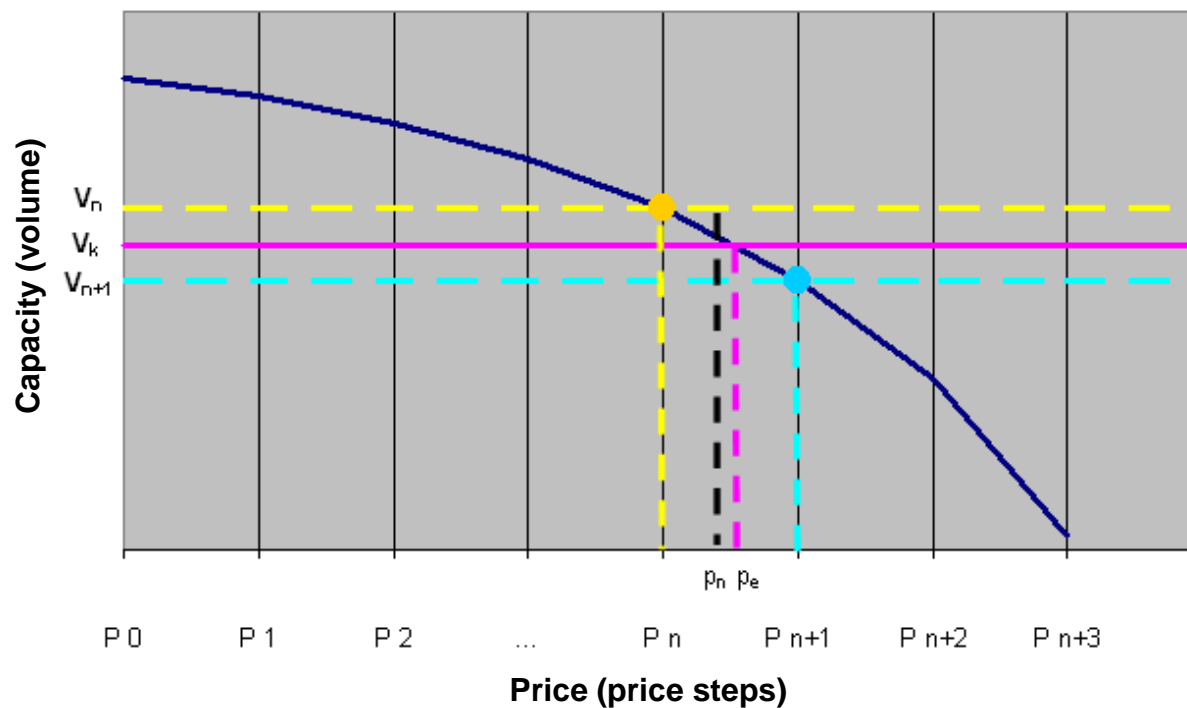
(+1: interrupted: auction withdrawn after publishing or terminated while running)

Binding Nature of Offers and Bids

- The capacity offered by the TSOs is a binding offer from the TSOs' side
- Network users place binding bids during the auction
 - The bids may be modified or withdrawn while the auction is in active status
 - The NU must confirm its bids
 - Upfront bidding is possible (ascending clock auction) as soon as an auction is opened
 - Retroactive modification is not possible
- The result of a binding capacity offer (by the TSO) and a binding bid (network user), which are matched via a closed auction procedure, is also binding → it effectively creates the contractual relationship between the TSO and the NU

Ascending Clock Algorithm

Volume auctions: volumetric bids against pre-defined price steps



- $V_n = P_n$ capacity demand (large price step)
- V_k = offered capacity
- $V_{n+1} = P_{n+1}$ capacity demand (large price step)
- $P_0 \dots P_{n+3}$ = large price steps
- p_n = small price step
- p_e = equilibrium price

Goal: $\min (V_k - V_n)$



Thank you for your kind attention!

Contact: rbp@fgsz.hu or pilot_rbp@transgaz.ro

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