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Reference Source

UNICORN

Regional Nomination Platform (RNP) - System implementation for IFA2

Unicorn Systems was selected to implement the Regional Nomination Platform (RNP), and has successfully launched this system for all involved interconnectors in 2019. During January 2021, the Regional Nomination Platform (RNP) was brought into live operation also for the IFA2 Interconnector.

With this new solution based on Unicorn Systems Damas platform, the Interconnector Operators get a powerful tool supporting their capacity management, crossborder scheduling, transparency publication and cross-system integration, while providing modern and flexible user interface to its key users.

The Regional Nomination Platform delivery includes not only the system as such, but also the delivery of complete infrastructure and its installation. The automated system processes are further supported by continuous monitoring and system operation by the experienced Unicorn Systems First Line Support (the Energy Helpdesk) and Second Line Support teams available in 24/7/365 mode.

Success story

In February 2019, Unicorn Systems finished the implementation and started sequential deployment of the Regional Nomination Platform (RNP) into live operations for the individual involved interconnectors (Nemo Link, BritNed, IFA) throughout the year 2019.

During January 2021, the Regional Nomination Platform (RNP) was brought into live operation also for the IFA2 Interconnector, effectively supporting its commercial operations since the delivery day of 22/01/2021.

The **primary aims** of the RNP system are the following:

- Supporting the allocation process in the external systems (i.e. the calculation and provision of NTC, ATC)
- Handling the capacities as allocated in external systems
- Management of nomination process – including the reception and processing of inputs, nomination entry, nomination management, as well as the nomination-related supporting processes
- Integration with all external subjects and systems – ensuring the automated data exchange and interaction
- Support of Multi-interconnector concept – facilitating multiple interconnectors using shared functionality but with full business separation.

The **business functionalities** of the system are represented by the following components:

Representative statement of IFA2:

The Dispatch System represents one of the key IT elements needed to ensure full interconnector operability, whereas the Regional Nomination Platform supports capacity management and cross-border scheduling processes on IFA2.

Delivery of both systems successfully concludes another joint project between Unicorn Systems and National Grid.

On behalf of National Grid,
in London on 01 February 2021

- Capacity and Outage management (IC, ITL, Constraints, NTC, ATC, OC)
- Allocation Constraints management, Allocation Specifications management, and the Auction Type Selection control
- Allocation Process support for external systems
- Transmission Rights management
- Automated Nominations Curtailment
- Cross-border Nominations and SO-SO Trades management
- Communication and data-exchange with the CCC (on the input end) and the Dispatch Systems (on the output end)
- Data Reporting and Market Notifications - for the Interconnector Operators, and their information systems
- TSO and Elexon Data Reporting - for all involved TSOs
- Transparency Publication into ENTSO-E Transparency Platform and ARIS (according to REMIT regulation)

Edd Monk
Commercial Development Manager
National Grid Interconnectors

The delivery includes not only the Regional Nomination Platform as such but also the delivery of complete infrastructure and its installation. The automated system processes are further supported by continuous monitoring and system operation by the experienced Unicorn Systems Energy Helpdesk team and Second Line Support team available in 24/7/365 mode.

IFA2
Interconnexion France-Angleterre

IFA2 is a recently constructed HVDC Interconnector, to be operated as a merchant interconnector between the UK and France. The interconnector further enhances National Grid's portfolio of existing HVDC interconnections between the Great Britain and continental Europe. Its primary business aim is to sell cross-border capacities available thanks to this new HVDC link. The capacities will be sold through a range of capacity allocation mechanisms, and further nominated by the Market Participants. The primary operational aim is to ensure safe operation of the IFA2 HVDC link and in the neighbouring areas. This is namely to ensure safe and continuous HVDC link operation, provide the relevant ancillary services, as well as to minimize imbalances on the link. IFA2 shall further improve the affordability, sustainability and security of energy supplies. For further information on IFA2, please, follow http://ifa2interconnector.com/