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Future Market Coupling IT Architecture

Transmission System Operators (TSOs) active in Single Day-Ahead Coupling (SDAC) and Single Intraday Coupling (SIDC) welcome the publication of a strategic assessment¹ exploring options for a future IT architecture to support European electricity market coupling. The work focuses exclusively on infrastructure design, aiming to anticipate rising complexity and ensure future operational resilience.

Continued Collaboration and Next Steps

The assessment provides a high-level perspective on how a modular, future-proof architecture could strengthen integrated Day-Ahead and Intraday market coupling processes across Europe. The study has been developed by Capgemini Invent, an AI-powered global business and technology transformation partner, with contributions from Fraunhofer FIT and PONTON (Hamburg), and financed by TSOs in European market coupling. It represents an initial step in a broader process: further studies with stakeholder engagement will be required before any implementation decisions can be made.

TSOs remain committed to maintaining market stability and preparing Europe's electricity markets for the challenges and opportunities of the coming decade. In parallel, they will continue their separate work with Nominated Electricity Market Operators (NEMOs) to improve joint governance frameworks.

¹ Study on Next Generation Day-Ahead and Intraday Market Coupling IT-Architecture