

Grid Digitalization #DigitalGrid

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Digitalization: what is it?

Digitalization refers to the increased use of information- and communication technology (**ICT**), and **data** as to:

- Deliver **value** to the customers and **stakeholders**
- Maintain and improve **security of supply**
- Utilize the **grid** in a cost efficient manner
- Facilitate **new and existing markets**
- Contribute to **energy sector transformation.**

Next Strategic Digital TSO Objectives

Facilitate the EU code deployment

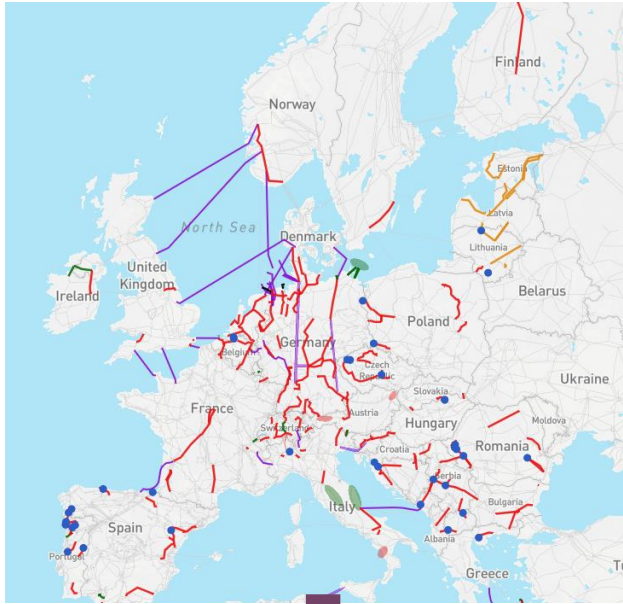


Enabling more RES & demand response connections

Flow based Bidding zones review
Real-time Markets

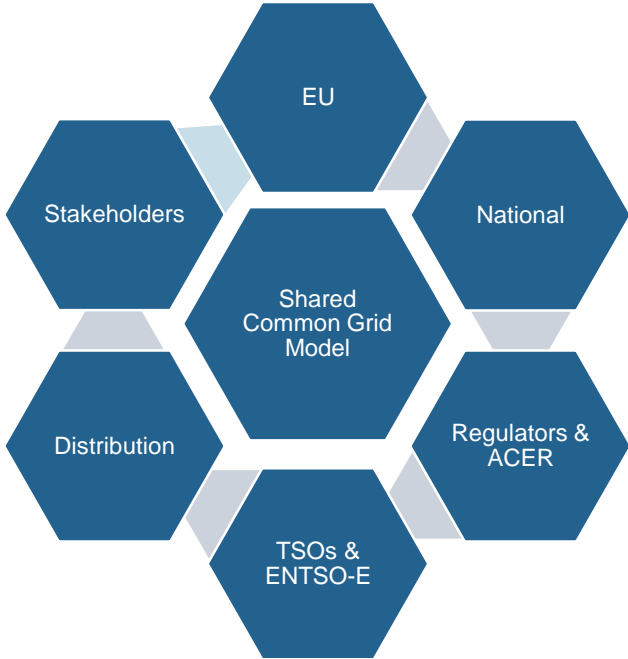
Enhanced Regional security coordinators
Capacity Calculations
New Emergency Restorations

Increase Grid Transparency



Including links inside countries

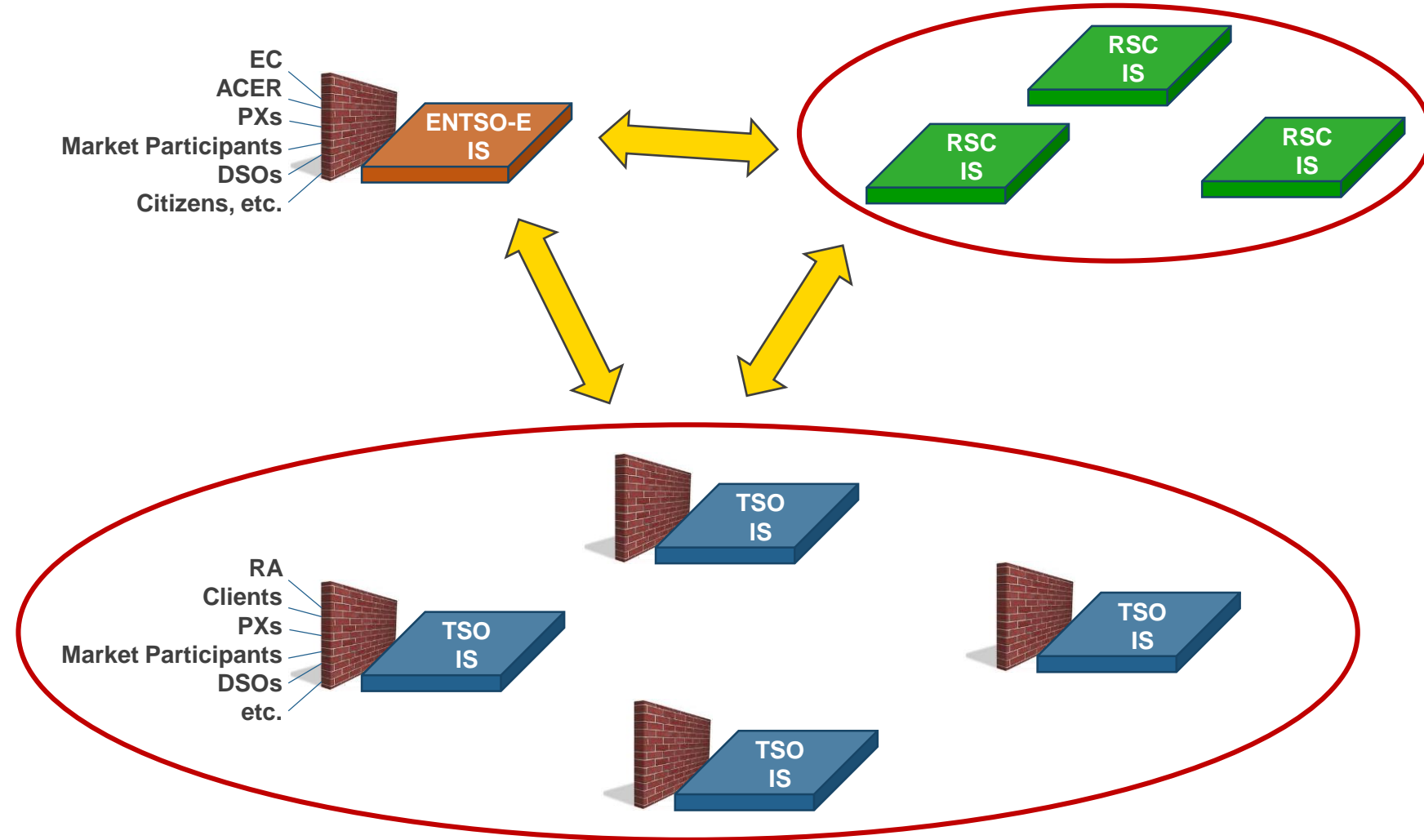
Foster cooperation at all levels



Growing Pan-European & Regional IT Developments

Some observations and comments

- Current Network evolutions push towards more intertwined Information Systems (IS).
- PanEuropean/Regional integration efficiency (both functional and technical) has become crucial.
- Cybersecurity must be approached globally
- Architecture, interoperability and cybersecurity is to be considered globally leveraging new SmartGrid Architecture Model



New Pan European Investment required

ESCN - ENTSO-E Secure Communication Network

Eccosp - ENTSO-E Communication & Connectivity Service Platform

OPDM - Operational Planning Data Management

