

ENTSO-E and European Markets

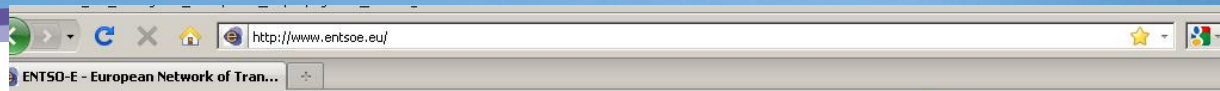
Maurizio Monti
WG EDI (Electronic Data Interchange) Convenor



Reliable Sustainable Connected

Presentation outline

- **ENTSO-E**
- **ENTSO-E Market Committee**
- **European Market Concepts**
- **ENTSO-E WG EDI**
- **IEC 62325 CIM Market Extensions and European Profile**
- **WG EDI new work**



european network of
transmission system operators
for electricity



HOME

SYSTEM DEVELOPMENT

SYSTEM OPERATIONS

MARKET

THE ASSOCIATION

MEDIA

EVENTS

RESOURCES



We are the European TSOs.

42 TSOs from 34 countries. Replacing all 6 existing European TSO associations. With important new roles in the 3rd EU Energy legislative package. Active already before the package is in effect. We are ENTSO-E.



Inform yourself on the European TSO Transparency Platform.

Quick link to ENTSO-E TYNDP Consultation

On 1 March, ENTSO-E started a public consultation on its pilot Ten-Year Network Development Plan. Stakeholders are invited to

ENTSO-E fully operational

As of July 2009, the work of ATSOI, BALTSO, ETSO, NORDEL, UCTE and UKTSOA has been fully integrated into ENTSO-E. This includes the info so far available on their websites.

[more](#)

Our mission

Reliable. Sustainable. Connected. - this translates to: Cooperating for reliable operation, optimal management and sound technical evolution of the European electricity transmission system. Helping ensure security of supply. Meeting the needs of the liberalized EU Internal

News

2010-03-31 ENTSO-E releases Research & Development Plan
[read more](#)

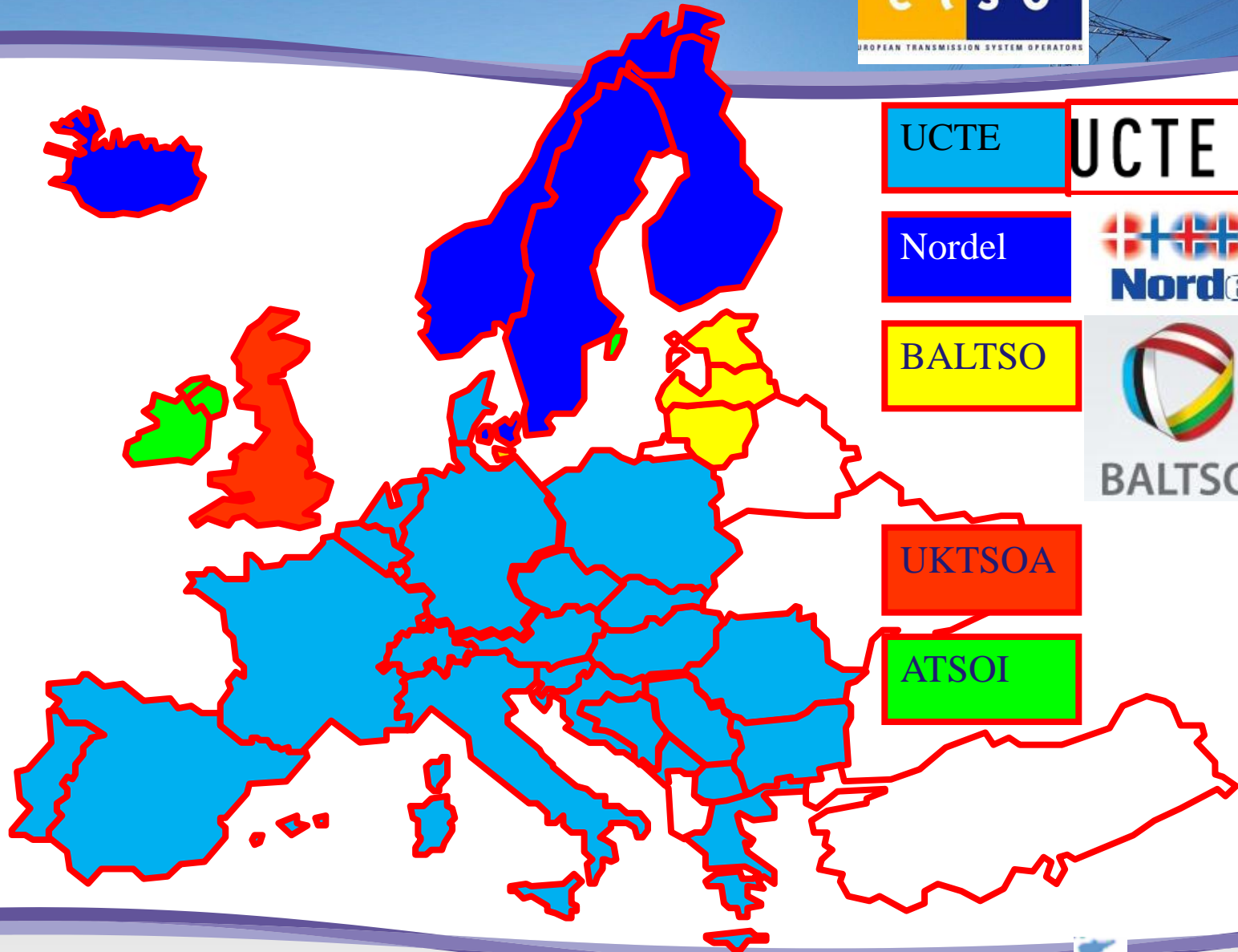
2010-03-31 Call for proposal for developing a Roadmap towards a pan-European power system 2050
[read more](#)

2010-03-25 WWF Earth Hour bears risks for European electricity transmission system
[read more](#)

2010-03-09 ENTSO-E response to the ERGEG public consultation on the position on 'Smart Grids'
[read more](#)

2010-03-09 ENTSO-E's response to ERGEG's advice on the Community-wide ten-year electricity

Up to June 2009



UCTE



Nordel



BALTSO



UKTSOA

ATSOI



Article 4: European Network of Transmission System Operators

- **Completion and functioning of the internal market in electricity and cross-border trade**
- **Optimal management, coordinated operation and sound technical evolution of the European electricity transmission network**



Article 8: Tasks of ENTSO for Electricity

- **Network Codes**
- **Common Network Operational Codes**
- **Non-binding community wide 10 year network development plan including a European generation adequacy**

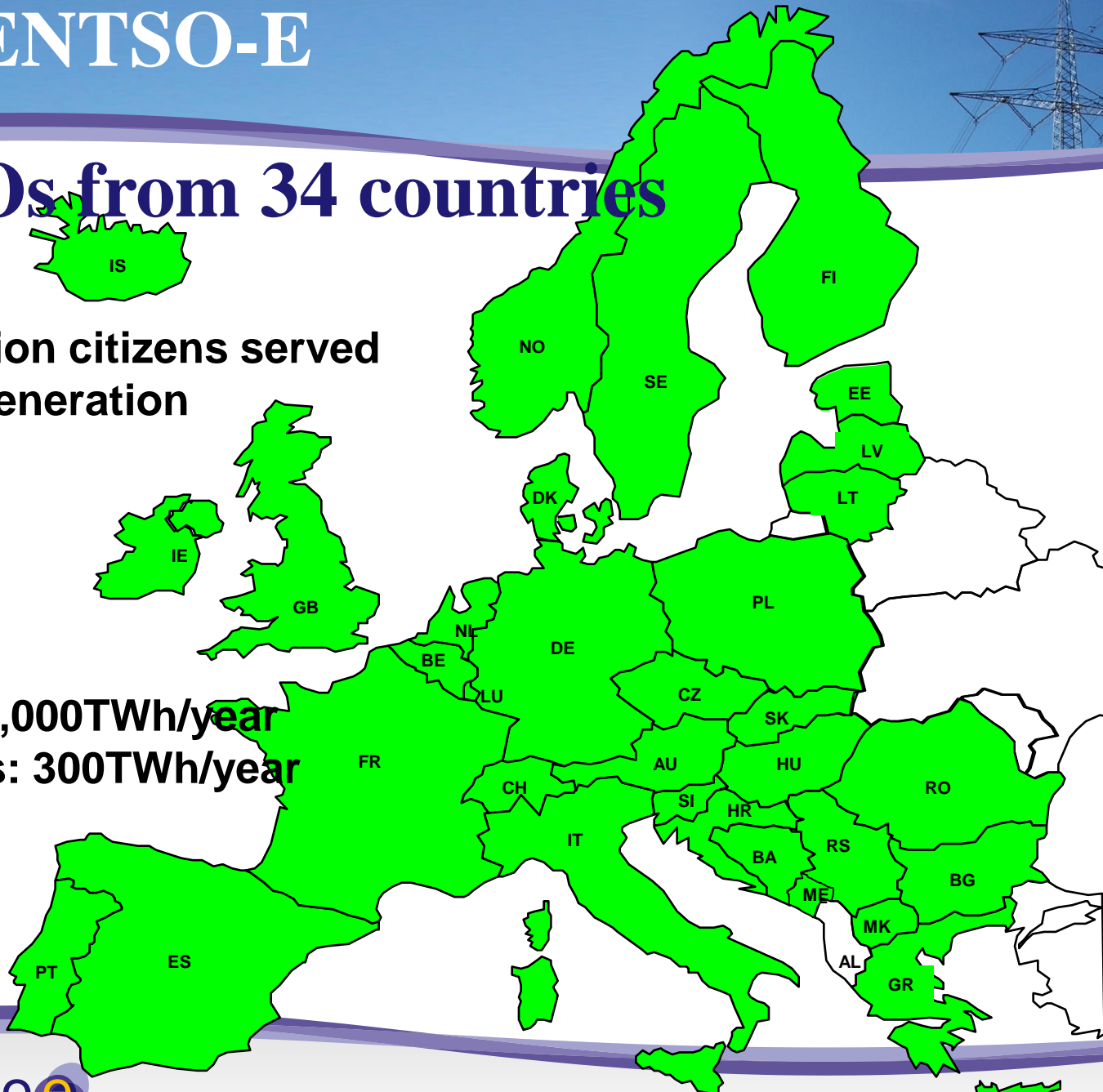


42 TSOs from 34 countries



~500 million citizens served
650GW generation

Demand: 3,000TWh/year
Exchanges: 300TWh/year





Internal European Market: Market Integration, methods and governance for Europe-wide coordinated calculations of region-to-region power transfers in the day-ahead and intra-day markets based on implicit auctioning.

Codes:

Third party access

Data exchange and settlement

System balancing

Transparency rules



Congestion Management

- Operational
- Explicit Auction
- Implicit Auction



Balance Area Profile

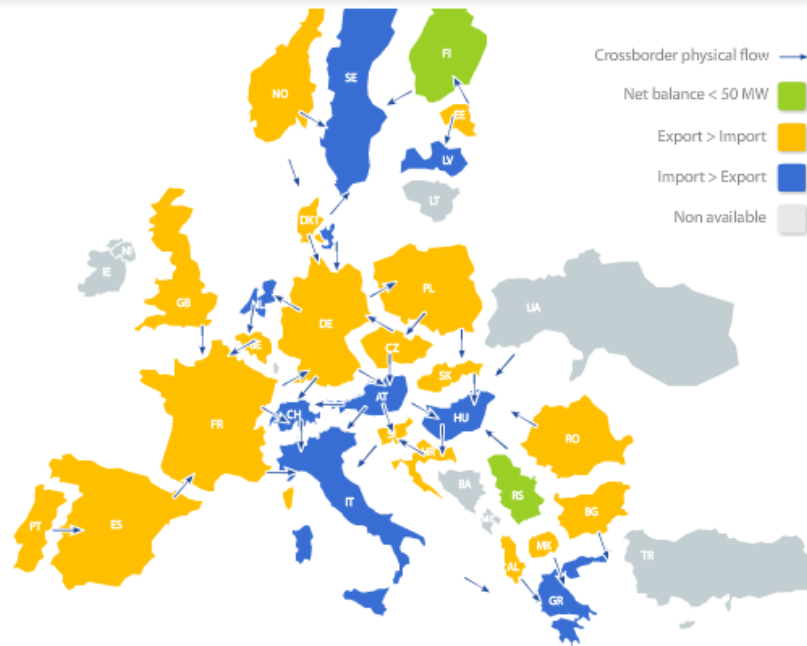
- System Vertical load
- Balance Management



Network Capacity

- D-1 Net Transfer Capacity
- Outage Information

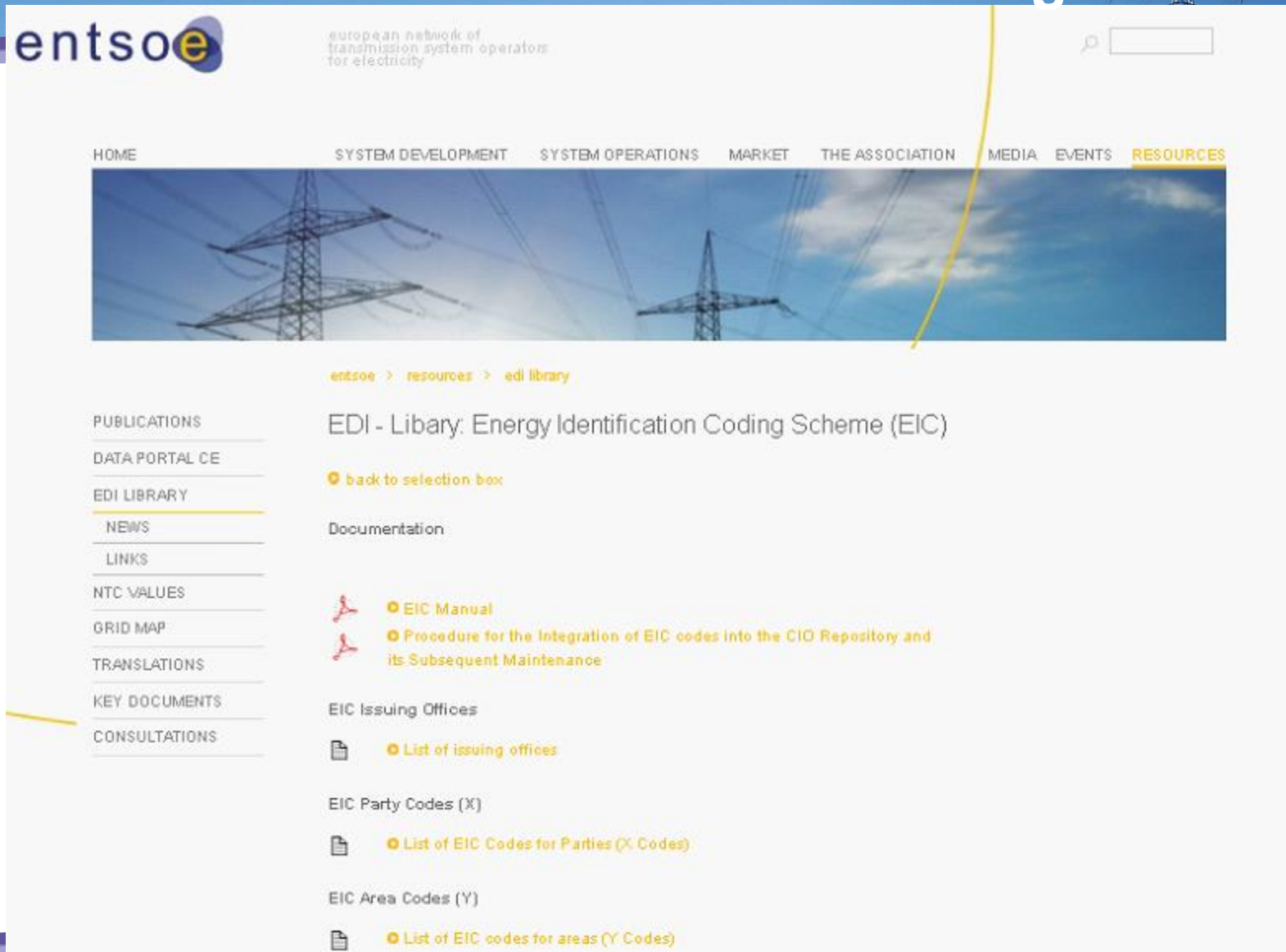
Selected day: 07.04.2010 Selected time: 09.00-10.00 CET Summer UTC+2



Nordic bidding areas



WG EDI – Electronic Data Interchange



The screenshot shows the entsoe website interface. At the top left is the entsoe logo and the text "european network of transmission system operators for electricity". A search bar is located at the top right. The navigation menu includes: HOME, SYSTEM DEVELOPMENT, SYSTEM OPERATIONS, MARKET, THE ASSOCIATION, MEDIA, EVENTS, and RESOURCES (highlighted in yellow). Below the navigation is a banner image of high-voltage power lines against a blue sky. The breadcrumb trail reads: entsoe > resources > edi library. On the left side, there is a vertical menu with the following items: PUBLICATIONS, DATA PORTAL CE, EDI LIBRARY (highlighted with a yellow underline), NEWS, LINKS, NTC VALUES, GRID MAP, TRANSLATIONS, KEY DOCUMENTS, and CONSULTATIONS. The main content area is titled "EDI - Library: Energy Identification Coding Scheme (EIC)". Below the title is a link: back to selection box. The content is organized into sections: Documentation, EIC Issuing Offices, EIC Party Codes (X), and EIC Area Codes (Y). Each section contains a list of links, some with document icons and others with circular arrows.

entsoe > resources > edi library

PUBLICATIONS
DATA PORTAL CE
EDI LIBRARY
NEWS
LINKS
NTC VALUES
GRID MAP
TRANSLATIONS
KEY DOCUMENTS
CONSULTATIONS

EDI - Library: Energy Identification Coding Scheme (EIC)

[back to selection box](#)

Documentation

- [EIC Manual](#)
- [Procedure for the integration of EIC codes into the CIO Repository and its Subsequent Maintenance](#)

EIC Issuing Offices

- [List of issuing offices](#)

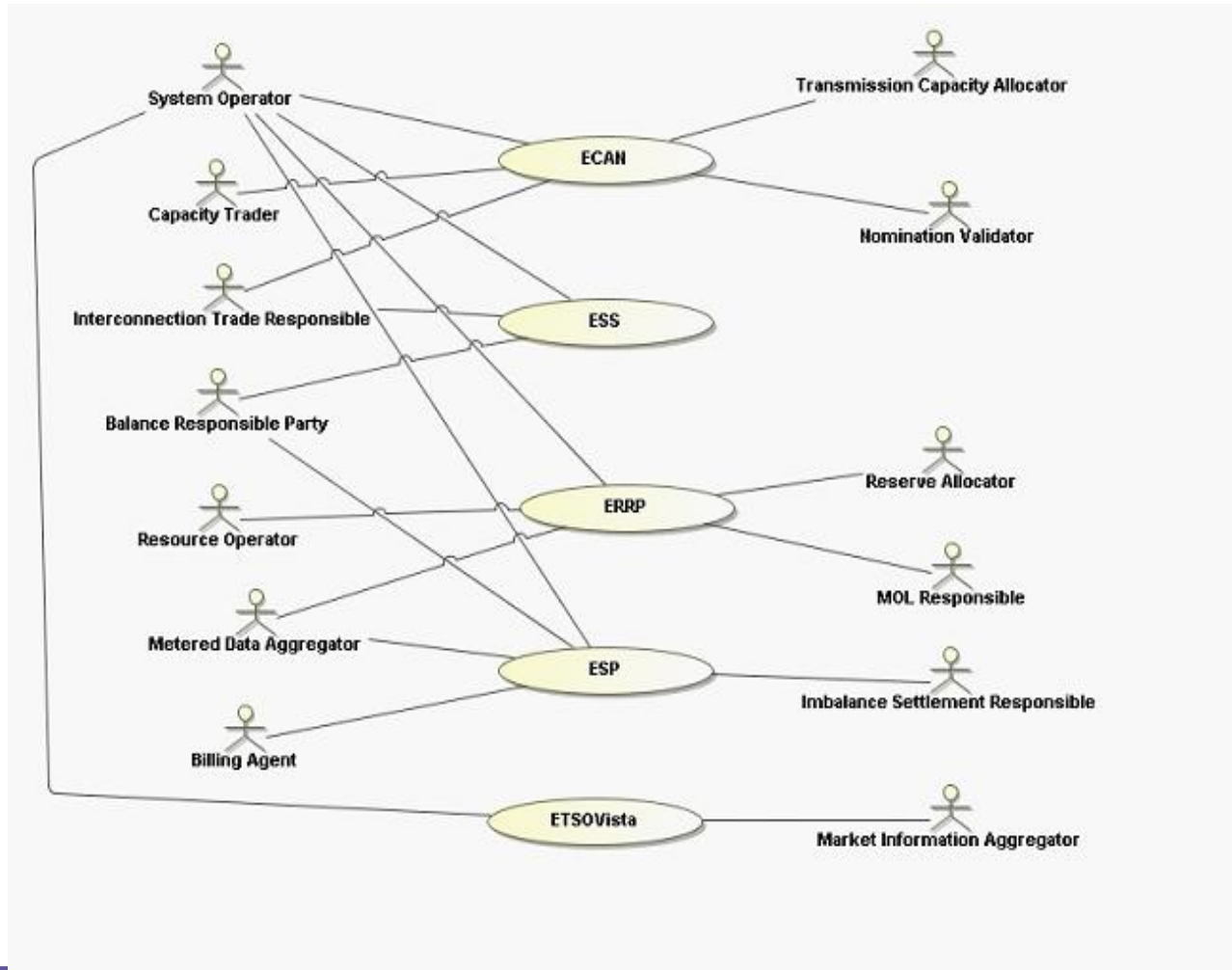
EIC Party Codes (X)

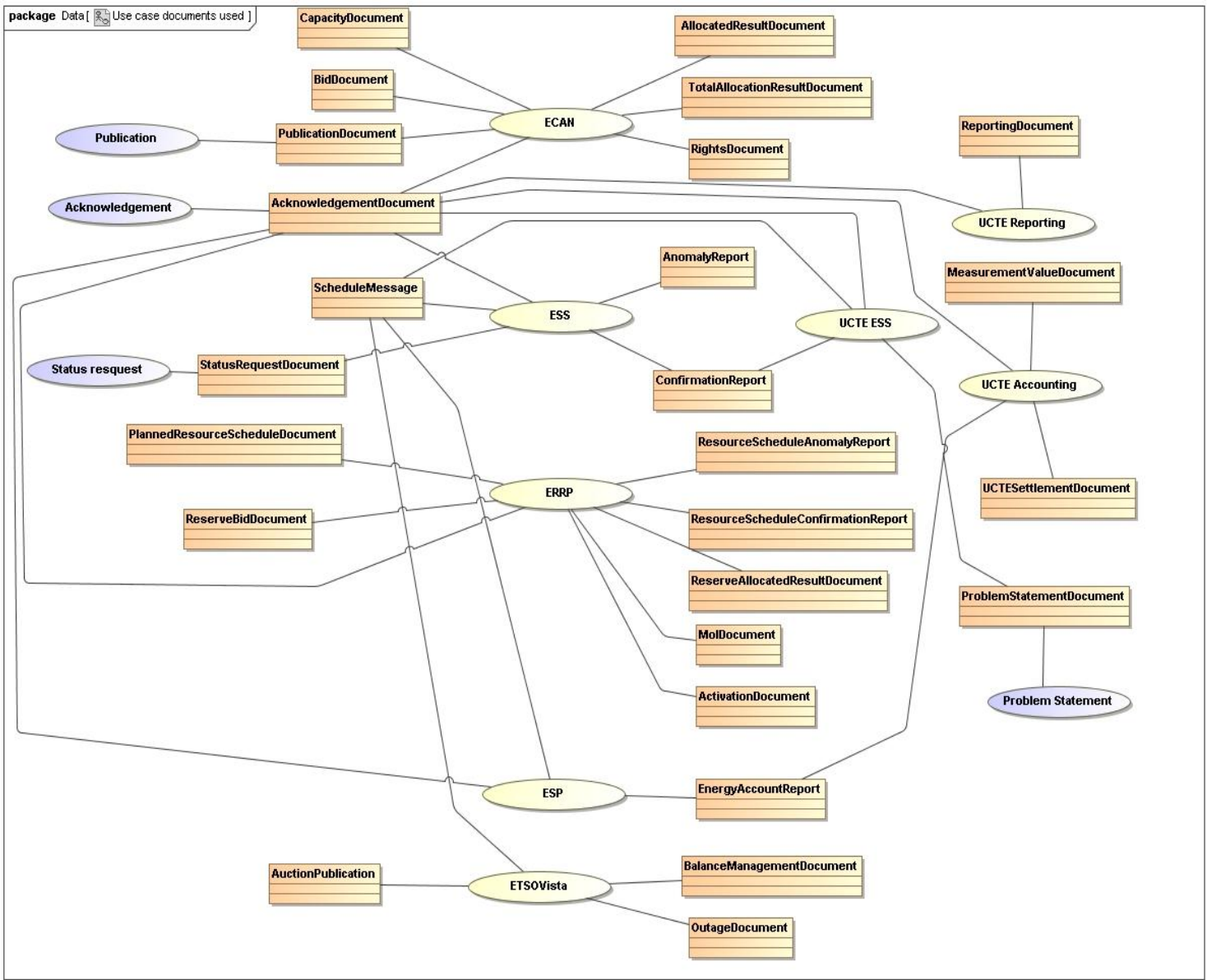
- [List of EIC Codes for Parties \(X Codes\)](#)

EIC Area Codes (Y)

- [List of EIC codes for areas \(Y Codes\)](#)

Business processes defined







Up-to-now, work carried out is on the payload.

How to provide a SINGLE FACE TO THE ELECTRICITY MARKET for all the market participants (Traders, TSOs, Power Exchanges, Auction Offices, DSOs, Balance Responsible Parties, etc.)?

- **Development of a standard “European Market Data Exchange System” providing same level of secure communications (guarantee of delivery, electronic signature, common encryption).**



Thank you for your attention