


<b>Minutes - Project for Nordic (TSO) Energy Market Model for data exchange (NEMM)</b> <b>Date:</b> December, Tuesday 15 <sup>th</sup> and Wednesday 16 <sup>th</sup> <b>Time:</b> 9:30-17:00 and 9:00 – 16:00 <b>Place:</b> SvK, Sundbyberg (Stockholm)	
November 27 <sup>th</sup> , 2009	

**Participants:** Jan Owe, SvK  
Jon-Egil Nordvik (Convenor)  
Mikael Kristensen, Energinet.dk  
Ove Nesvik, EdiSys (Secretary)

**To:** Antti Niemi, Nord Pool Spot  
Christian Hoang Huy Le, Statnett  
Christian Odgaard, Energinet.dk  
Heli Anttila, Fingrid  
Jari Hirvonen, Fingrid  
Roar Grindstrand, Statnett  
Willem Karel D van der Meijden, Energinet.dk

**CC:** Jan-Olov Lundberg, SvK  
Oscar Ludwigs, SvK  
Tor Bjarne Heiberg, Statnett  
Tor Åge Halvorsen, NordPool

**Attachment:** None

### 1 Approval of agenda

The agenda was approved with the following additions:

- Project name, see 8.1 under AOB
- Review of changes in the BRS for Determine transport capacity, see 8.2 under AOB
- Code List Library, see 8.3 under AOB

### 2 Approval of previous meeting minutes

The minutes from previous meeting were approved with a few comments (changes) from Jan. The minutes will be put on [www.ediel.org](http://www.ediel.org), together with the rest of the minutes from this autumn.

#### *Homework:*

- Ove will send the Minutes from this meeting and the previous not published to Carsten (Energinet.dk) for update on [www.ediel.org](http://www.ediel.org).

### 3 Nordic TSO common rules and recommendations

Ove had distributed an updated *Common Nordic XML rules and recommendations* document to the project and NEG. The document had been updated according to the decisions at the latest NEG meeting and an appendix with an introduction to UMM and UML is added.

There were no comments to the document. The document will be published on [www.ediel.org](http://www.ediel.org).

Ove had also made proposals for a change requests to ENTSO-E related to the TimeIntervalType, which was reviewed, slightly modified and agreed.

**Homework:**

- Ove will send the *Common Nordic XML rules and recommendations* document to Carsten (Energinet.dk) for update on [www.ediel.org](http://www.ediel.org).
- Ove will send the ENTSO-E maintenance requests to Willem, asking him to forward them to ENTSO-E.

**4 Scheduling process BRS (Business Requirements Specification)**

Homework from previous meeting:

- Ove will update the MagicDraw model with Z codes from the Ediel IGs and the Z03 for *International system operator*.  
**Status:** Done
- All will verify if there are exchanges of market schedules between the System operators, ref arrow 6 in figure 6.  
**Status:** There is exchange of market schedules between the System operators, i.e. arrow 6 is kept. In addition it was agreed to remove arrow 7 and 8, Danish status requests (matching requests).
- Ove will make a proposal for a Domain model  
**Status:** Done, see next item 5
- Jon-Egil will review chapter “3.1 Schedule system information flows”  
**Status:** Postponed until next meeting
- Mikael will go through the *Confirmation Report* and hopefully come up with a better solution.  
**Status:** Postponed until next meeting
- Jon-Egil will send a mail to Willem, Oscar and Tor, asking ENTSO-E to change the term *Message to Document*.  
**Status:** Done
- Ove will verify the Operational schedules class diagrams, if these are in line with the latest ERRP guide (v.3.0)  
**Status:** The Operational schedules class diagram is in line with the latest ERRP guide, except for added Nordic needed data elements and skipping of the *Unavailable Reserves Time Series* class.

The rest of the tables showing the elements used to identify documents were gone through and updated. In addition several homework items were identified, see below.

Ove had made *Maintenance requests* to ENTSO-E, for the *Schedule document* which was reviewed, among others with the comment that the Nordic scheduling part of the harmonised role model will be updated with the roles from the ERRP document, i.e. Resource provider, BRP, SO, Resource object, Market balance area, Functional group, Metering point etc.

**Homework:**

- Jon-Egil will review chapter “3.1 Schedule system information flows”
- Mikael will go through the *Confirmation Report* and hopefully come up with a better solution.
- All will verify if break point plans will be required from 2011.
- All will verify if 15 minutes resolution for *Operational schedules* will be required from 2011.
- Ove will look through the diagrams (and text) and change *Publish* to *Make available (for SO)* where applicable.

- All will check how settlement of *Ancillary services* are handled, i.e.
  - Jon-Egil has a hypothesis that the same internal organisation unit that is handling the *Imbalance settlement responsible* is doing the settlement of Ancillary services, i.e. actually being a *Billing agent*.
  - The result will be used to update Figure 28 and 29, Exchange Ancillary services.
- Ove will try finding definitions for the Z codes missing in the *Code list library* and distribute it.
- Denmark, Finland and Sweden will verify which *Business types* are used in the *Resource Schedule Confirmation Report*.

## 5 Domain model

Due to lack of time the review of the proposal for a Domain model was postponed.

## 6 Bid process

The proposal for a *Bid BRS*, or more correctly *Nordic trading system BRS*, was reviewed.

Questions from Ove related to the *Bid process*:

- What is the relation between *Determine transfer capacity process* and the *Allocate capacity* process, the latter from the Ediel model for the Nordic trading system?

**Answer:** Allocation is in the Nordic countries done by implicit auction by NordPool and NordPool is therefore the Nordic Capacity allocator. However the *Allocate capacity* process described in the Ediel Nordic trading system is probably meant to be the *Determine transfer capacity* process earlier defined by the Nordic TSO project, which means that the model in the BRS is correct, i.e. the *Determine transfer capacity process* is only referenced with a link.

- What is the relationship between *Consumer, Producer, Production responsible party* and *Resource provider*?
- Who is the *Resource allocator* – Is this role a part of the model, e.g. the *International system operator*?

The two last questions were not answered, due to lack of time (will be put on the next agenda).

### Homework:

- Ove will rename the BRS name to *Nordic trading system*
- Ove will add relevant parts of the Cigré document C5\_D2\_103\_2008.pdf into the *Nordic trading system BRS*

## 7 Next meeting

January 19-20, 2010, Helsinki

## 8 AOB

### 8.1 Project name

Ove noted that the term *project* in the middle of the project name seems a bit strange and proposed to change the name from *Nordic TSO Market model project for data exchange* to **Project for Nordic (TSO) Energy Market Model for data exchange** (NEMM), which was agreed.

## 8.2 Review of changes in the BRS for Determine transport capacity

The update of paragraph 1.2, *About this document* in the *BRS for Determine transport capacity* was reviewed and agreed. Since the class diagrams in the BRS is based on CCTS and CCL (UN/CEFACT Core Components) a new BRS, based on the ENTSO-E IG will have to be made.

Under this item Ove informed that [www.ediel.org](http://www.ediel.org) has been updated with the changes agreed at the previous project meeting.

### **Homework:**

- Ove will make a new BRS for *Determine transport capacity* where the class diagrams are based on the ENTSO-E IGs.

## 8.3 Code List Library

Ove had made a *Nordic Energy Market Model for Data Exchange Code List Library* showing codes used in the Nordic energy market, together with ENTSO-E codes. The intention is to send maintenance requests to ENTSO-E for update of the Nordic codes. The library was briefly reviewed and some codes agreed removed, however the discussions was not finalised.

## **Appendix A TO BE DISCUSSED AND AGREED**

1. Should the new principles for time series identification in Sweden influence this project?
2. Follow up on *Special rules related to NOIS*:
  - Reason codes have to be sent in a separate time series. The related quantities must always have a dummy value, but the value will be ignored by NOIS.
3. The Process area *Nominate capacity* (opposite to a schedule the nominations are referencing a contract) is suggested to be define in a separate document for the complete nomination process. A proposal for this new project activity will be forwarded to the next NEG SC.
4. Follow up on question to the HG on how to handle a *Quantity quality* (metered, estimated...) and “no-value” or “nil”.
5. Addition of hyperlinks in the HTML UseCase diagrams, to be able to “drill down” in the model (when making HTML versions of the Scheduling BRS)..

## Appendix B EXTRACT OF THE OVERALL PROJECT PLAN

The following 5 phases have been identified in the *Nordic TSO Market model project for data exchange*:

**Phase 1** (Finalised spring 2009), *Determine transfer capacity process*

**Phase 2** (Started spring 2009), *Scheduling and Ancillary Services Process* covered by the ENTSO-E ESS and ERRP IGs

- operational and financial
- balancing and reserves
- In addition phase 2 may include (if needed):
  - A document containing common rules and recommendations, *including* detailing of a communication platform
  - A document covering a common *Domain model* for the Nordic market.
  - Agree on how to identify schedules, i.e. can the TSO XML project base its identification principle on the new principles for time series identification in Sweden?
  - Preparation for implementation verification of schedules between the Nordic TSOs.

**Phase 3** (Starting autumn 2009), Bid process,

- Bid to the Balance regulation market
- Activation messages
- Bid process to the Spot market (dependent on NordPool)

**Phase 4** (Starting spring 2010), Settlement process

- Metered data
- Settlement result, including prices

**Phase 5** (autumn 2010), Prices from the balancing market and spot market, and other Nord Pool messages (dependent on Nord Pool)

The Customer switching (CuS) process is a potential additional phase, dependent on political decisions, i.e. a common Nordic end user market.

For each of the phases mentioned above, a BRS will be made for the relevant business process. The project group may chose to combine two or more business processes into one BRS, if this seems suitable. Change requests will be submitted for all identified differences between the Nordic processes and ENTSO-E/ebIX<sup>®</sup> standards.

