


<b>Minutes - Project for Nordic (TSO) Energy Market Model for data exchange (NEMM)</b> <b>Date:</b> April, Monday 4 <sup>th</sup> and Tuesday 5 <sup>th</sup> , 2011 <b>Time:</b> 9:00-17:00 and 9:00 – 15:30 <b>Place:</b> Nord Pool Spot, Oslo (Lysaker) April 11 <sup>th</sup> , 2011	
--	---

**Participants:** Hanna Blomfelt, Nord Pool Spot  
Jan Owe, SvK  
Jari Hirvonen, Fingrid  
Jon-Egil Nordvik (Convenor)  
Ole Fredsø Weigelt, Energinet.dk  
Ove Nesvik, EdiSys (Secretary)  
Tor Åge Halvorsen, NordPool

**To:** Participants  
Antti Niemi, Nord Pool Spot  
Christian Hoang Huy Le, Statnett  
Christian Odgaard, Energinet.dk  
Jesper Gronlund, Fingrid  
Mikael Kristensen, Energinet.dk  
Roar Grindstrand, Statnett

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

**Attachment:**



NEMM MR Overview  
20110317.docx , see item 3, Maintenance requests to ENTSO-E



NEMM 2010 27 - 33 -  
46 and 47 updates - , see item 3, Maintenance requests to ENTSO-E



NEMM 2011 57 and  
67-86 and 89- 20110. , see item 3, Maintenance requests to ENTSO-E

**1 Approval of agenda**

The agenda was approved with the following additions from the latest NEG meeting:

- Implementation verification, see 11.1 under AOB
- CIM XML, see 11.2 under AOB

**2 Approval of previous meeting minutes**

The minutes from previous meeting was approved.

### 3 Maintenance requests to ENTSO-E

*Homework from previous meeting:*

- Ove will make a MR for a EIC party identifier for NOIS – Will be sent to ENTSO-E by Jon-Egil  
*Status:* Postponed
  
- Hanna will ask ENTSO-E for an EIC code for the NordPool spot market area  
*Status:* Postponed
  
- Ove will make a MR for **Z21**, Total Transfer Capacity (TTC)  
*Status:* Done
  
- The following will be reviewed by Mikael as homework:
  - NEMM 2010/47: Z05 Net internal trade counterpart
  - NEMM 2010/48: Z08 Trade, unconfirmed (Used in DK)
  - NEMM 2010/49: Z14 TSO adjustment (Used in DK)
  - NEMM 2010/50: Z15 Result of an automatic TSO adjustment (Used in DK)
  - NEMM 2010/51: Z16 Difference (Used in DK)
  - NEMM 2010/52: Z19 Total maximum production (Schedule for maximum total production)  
Z20 Total minimum production (Schedule for minimum total production)*Status:* Done
  
- Ove will make a new MR for a reason code; *Bid not accepted*  
*Status:* Done
  
- Ove will make a presentation of the *Spot bid document*, to be sent to ENTSO-E.  
*Status:* Done

The MRs NEMM has worked with the latest meetings and the MRs we have decided to resubmit to ENTSO-E were reviewed. These will be submitted to the next ENTSO-E meeting, May 5<sup>th</sup> and 6<sup>th</sup> 2011, see attached documents.

Some comments from the review:

- We reopen NEMM/30, or more correct send a question ask for somewhere to put the type of production or consumption. Using a specific resource objects for each production/consumption type is difficult, since a resource object may have different production/consumption types, e.g. combined hydro and wind, or combined hydro production and pumping. Using the resource object means that the same object needs several IDs (for each production type) and in addition a combined ID when sending total production.
- We need a Curve type element in the *Planned resource schedule*, used for production plans. The needed curve types are:
  - **A01** Sequential fixed size blocks
  - **A04** Overlapping break points
  - **A05** Non-overlapping break points

The new MRs/questions will be sent for the ENTSO-E May meeting.

During this item the Determine capacity BRS was reviewed and the *International system operator* will be renamed to *Capacity coordinator* throughout the document. Publication will be awaited until the MRs related to the Determine capacity document are reviewed, and hopefully, approved by ENTSO-E.

**Homework:**

- Ove will update the MRs and presentations agreed submitted to ENTSO-E. The MRs and presentations will be sent on circulation for comments within NEMM for a few days before submitted to ENTSO-E.
- Ove will rename *International system operator* to *Capacity coordinator* throughout the Determine capacity BRS and distribute to NEMM before next meeting.

#### 4 BRS for Schedules

*Homework from previous meeting:*

- Jon-Egil will go through the BRSs and propose new (existing) roles for where NOIS (International system operator) is used.  
*Status:* Done during the review
- Ove will make all *Document version* elements = Fixed 1  
*Status:* Done

The review of the BRS for schedules was continued. It was among others decided making a MR for Curve Type for *Planned resource schedule*.

Ove will update the document with the changes agreed and distributed it to NEMM. The BRS will however not be published before MRs have been reviewed by ENTSO-E.

*Homework:*

- Ove will update the BRS for schedules and distribute to NEMM before next meeting.

#### 5 BRS for Nordic trading system

*Homework from previous meeting:*

- Jon-Egil will go through the BRSs and propose new (existing) roles for where NOIS (International system operator) is used.  
*Status:* Done during the review
- All should review and verify Chapter 7.5.3, Dependency  
*Status:* Done during the review
- Ove will make all *Document version* elements = Fixed 1  
*Status:* Done
- Ove will update what is possible in the BRS and distribute for discussion next meeting, including:
  - Add the EPD to all processes using summary reports, including max price, min price and average price from Elspot (daily values) and Elbas (hourly)
  - Update the BRSs with the new codes.
    - E07 megawatt hour per hour
    - E08 megawatt per hertz

*Status:* Done

The review of the BRS for Nordic trading system was continued from previous meeting and several updates was done or agreed done as homework, including:

- Addition related to Bids for the balance regulation market:
  - *Activation time*
  - *Resting time*

- *Minimum duration*
- *Maximum duration*
- Chapter 7.5.3, Dependency
- Question from Sweden related to amount/price
- The Operation and reporting processes have been defined in the overview of the Nordic Trading System, but so far not detailed. Ove will as homework make a proposal for next meeting.

**Homework:**

- Ove will update the BRS for the Nordic Trading System and distribute to NEMM before next meeting.

**6 Meteorological information**

There was no new information related to Meteorological information. The item was postponed.

**7 Review of draft BRS for Nordic settlement system (if a report form NBS is available)**

There was no new information form NBS. The item was postponed.

**8 Review of project plan**

Due to lack of time the item was postponed

**9 Information (if any)**

No information was exchanged.

**10 Next meeting**

- Tuesday May 31<sup>st</sup> and Wednesday June 1<sup>st</sup>, Oslo (Edisys)
- Tuesday June 14<sup>th</sup> and Wednesday June 15<sup>th</sup>, Copenhagen (?)

**11 AOB**

*11.1 Implementation verification*

Phase 5 of the NEMM project, *Implementation verification*, was discussed at the latest NEG meeting. NEG thinks implementation verification is a prioritised task and the NEG members will try to find data exchange processes where the NEMM BRSs can be used.

Jon-Egil mentioned that the NOIS documents probably not are suitable on short time and proposed to find some bilateral data exchange between the SOs as the first implementations.

Jan mentioned that SvK has had meetings with Poland related to standardisation of the documents exchanged between the two TSOs. Today this is done using bilateral agreed formats, such as Excel sheets.

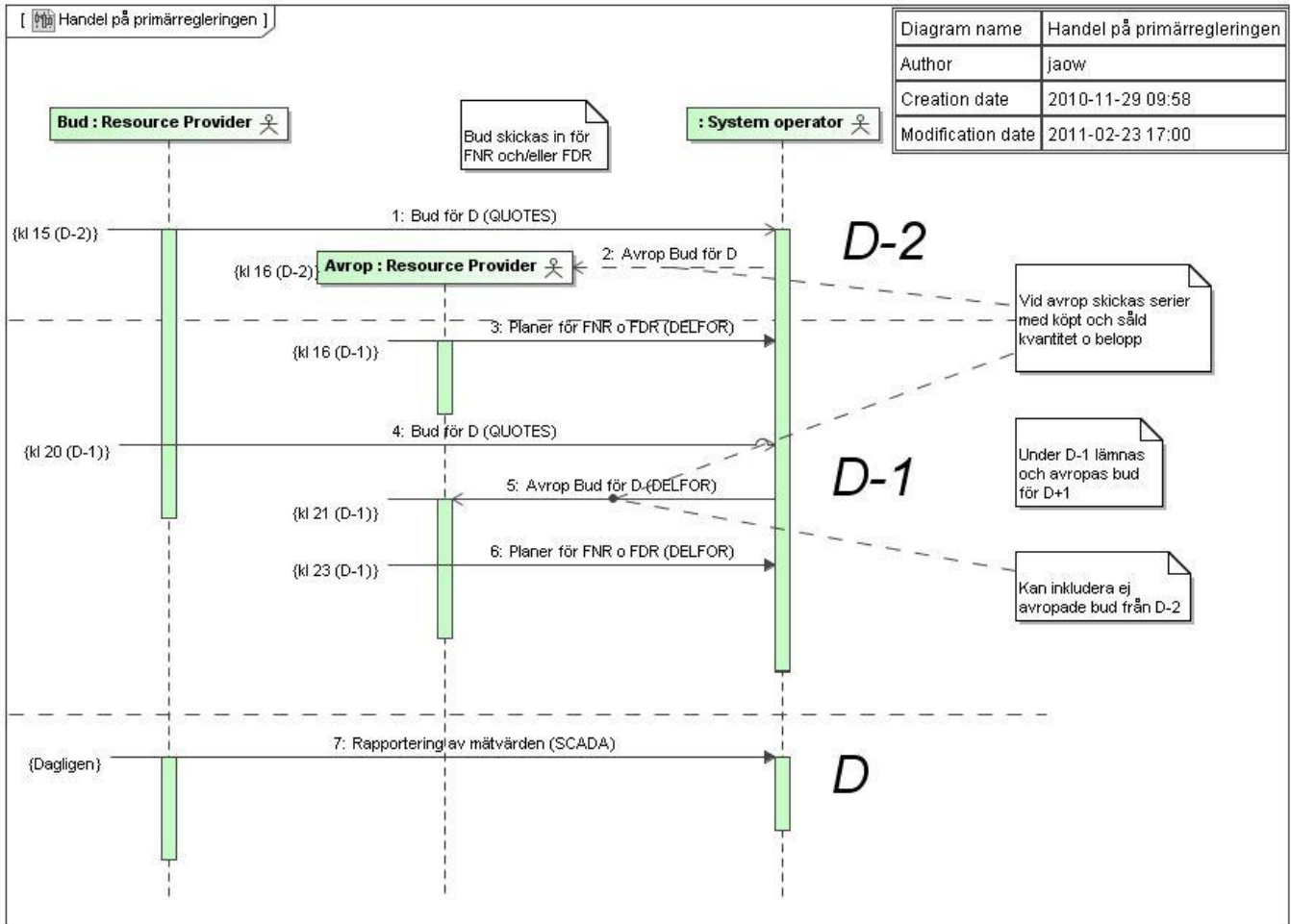
NPS is talking to ELERING (Estonian TSO), which may result in data exchange based on the NEMM BRSs.

*11.2 CIM XML*

The Nordic TSOs will start using CIM XML and NEG asked NEMM to discuss how to deal with this. CIM XML is a specification of how to make XML schemas based on the CIM (Common Information Model) model, i.e. the structure of the schema is given by the CIM but the content must be specified bilaterally. System vendors, such as ABB and Alstom, are able to create XML CIM documents from their EMS systems.

Jari will participate on the next CIM User group meeting in week 19. The item will be put on the next meeting.

# Appendix A TRADE IN SWEDISH PRIMARY REGULATION FROM APRIL 2011



## Appendix B 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. Follow up on question to the HG on how to handle a *Quantity quality* (metered, estimated...) and “no-value” or “null”.
4. The operation name for submission of a message in WS should specifically not be named SendMessage since this exact name is used as a reserved keyword in Microsoft BizTalk Server. If, and if so where, to put this recommendation should be decided.
5. ENTSO-E maintenance requests related to Danish reason codes

<b>Z01</b>	Operational	The given unit has a status of operational
<b>Z02</b>	Reduced Operational	The given unit has a status of reduced operational
<b>Z03</b>	Non Operational	The given unit has a status of non operational
<b>Z04</b>	Revision	The given unit is under revision
<b>Z05</b>	Suspended	The given unit is suspended
<b>Z06</b>	Crashed	The given unit is crashed
<b>Z07</b>	Discarded	The given unit is discarded
<b>Z11</b>	Planned	The information provided has a status of planned
<b>Z12</b>	Counterpart Imbalance	The information provided has a status of imbalance with a counterpart
<b>Z13</b>	Internal Imbalance	The information provided has a status of internal imbalance
<b>Z15</b>	Forced Adjustment	The information provided has status of a forced adjustment
<b>Z16</b>	Forced Adjustment Final	The information provided has status of a forced adjustment and is final
<b>Z17</b>	Final	The information provided is final

## Appendix C 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** *Determine transfer capacity process*

Phase 1 was finalised spring 2009 regarding documents from the project group. However Maintenance Requests (MR) to ENTSO-E/WG-EDI is still in progress.

- 

### **Phase 2** *Scheduling and Ancillary Services Process* covered by the ENTSO-E ESS and ERRP IGs

- operational and financial
- balancing and reserves
- In addition phase 2 include:
  - A document containing common rules and recommendations, *including* detailing of a communication platform
  - A document covering a common *Domain model* for the Nordic market.

Phase 2 was finalised spring 2010 regarding documents from the project group. However Maintenance Requests (MR) to ENTSO-E/WG-EDI is still in progress.

### **Phase 3** *Nordic trading system*

- Bid to the Balance regulation market
- Prices from the balancing market and spot market, and other Nord Pool messages
- Activation messages
- Bid process to the Spot market (dependent on NordPool)

Phase 3 started autumn 2009 and is still in progress. It is mainly processes related to Nord Pool Spot that are left.

### **Phase 4** Settlement process

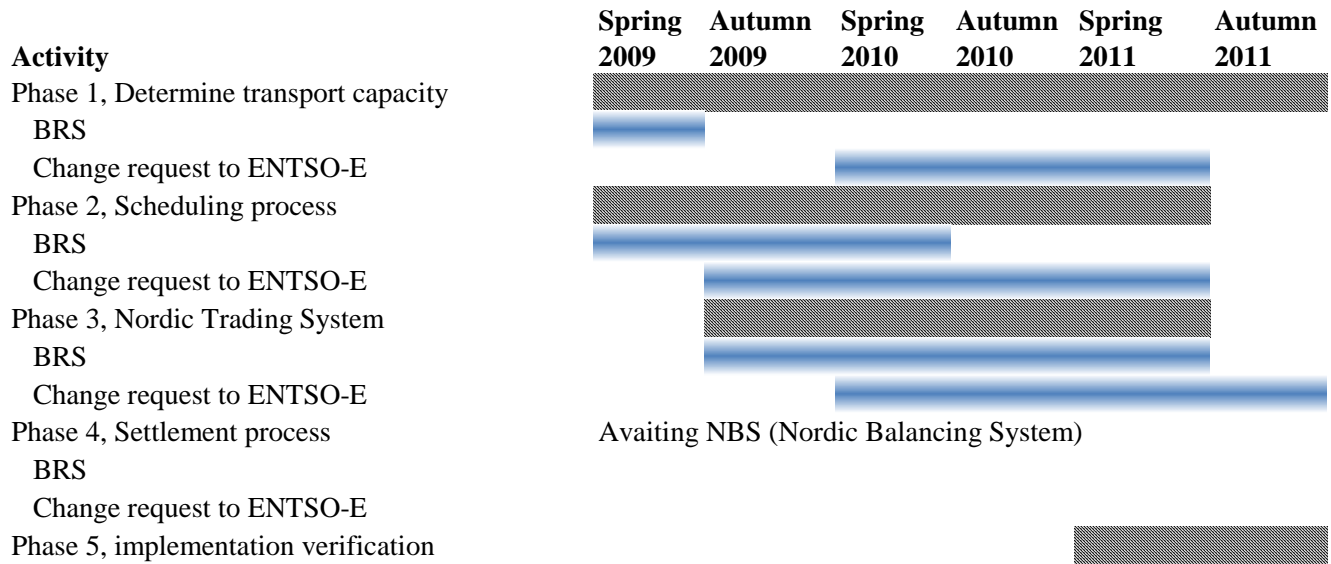
Phase 4 started in spring 2010, but is currently awaiting the Nordic Balance Settlement (NBS))

### **Phase 5** Preparation for implementation verification of the documents between the Nordic TSOs and Nord Pool Spot.

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. Change requests will be submitted for all identified differences between the Nordic processes and ENTSO-E/ebIX<sup>®</sup> standards.





## **Appendix D VENUE, ACCOMMODATION AND TRANSPORT**

The next meeting will take place at ?

### **Hotel information:**

TBD