


<b>Minutes - Project for Nordic (TSO) Energy Market Model for data exchange (NEMM)</b> <b>Date:</b> February, Thursday 24 <sup>th</sup> and Friday 25 <sup>th</sup> , 2011 <b>Time:</b> 9:00-17:00 and 9:00 – 15:30 <b>Place:</b> SVK March 10 <sup>th</sup> , 2011	
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**Participants:** Hanna Blomfelt, Nord Pool Spot (Friday)  
 Jan Owe, SvK  
 Jari Hirvonen, Fingrid (Thursday)  
 Jon-Egil Nordvik (Convenor)  
 Mikael Kristensen, Energinet.dk  
 Ove Nesvik, EdiSys (Secretary)

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

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

**Attachment:**



NEMM MR Overview  
 20110225.docx

, see item 3, Maintenance requests to ENTSO-E

**1 Approval of agenda**

The agenda was approved

**2 Approval of previous meeting minutes**

The minutes were approved

**3 Maintenance requests to ENTSO-E**

Feedback from the minutes of the latest ENTSO-E/WG-EDI meeting was reviewed with the following result:

- The rename from *adjustable* to *dispatchable* for the MRs NEMM 2010/11 and NEMM 2010/87 seems OK. A mail was sent to Tor, asking him to send a mail to ENTSO-E, saying that we agree to the proposed changes from ENTSO-E. The mail should be sent before an ENTSO-E conference call march 8<sup>th</sup>.
- NEMM 2010/47 will be resent to ENTSO-E with a better justification. The MR concerns code Z05, *Net internal trade counterpart* that will be used both in Sweden and Denmark.

Thereafter the results form ENTSO-E/WG-EDI related to NEMM 2010/33 – 53 were reviewed:

- The following MRS will be continued (resent with better justification):
  - NEMM 2010/33
  - NEMM 2010/46

- 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 2010/51: Z19 Total maximum production (Schedule for maximum total production)
  - NEMM 2010/51: Z20 Total minimum production (Schedule for minimum total production)
- NEMM 2010/43, Z03 *International System operator* was withdrawn. We will have to pick relevant roles from the role model and use these instead. Jon-Egil volunteered to do a review.

And the un-submitted MRs NEMM 2010/54 - NEMM 2010/73 were reviewed:

It was also agreed making new MRs for Z21, *Total Transfer Capacity (TTC)*, which is used in the BRS for *Determine Transfer Capacity*:

Definition: The Total Transfer Capacity is the maximum exchange program between two areas compatible with operational security standards applicable at each system if future network conditions, generation and load patterns were perfectly known in advance.)

Process description: Between a *System operator* and the *International System Operator*, plans for TTC are exchanged in order to determine *Transfer Capacity* for the operation of the cross border connection. As a result of this process ATC is established by the *International system operator* and thereafter notified to affected parties. It is used to plan operation of the cross border connection.

Definition of TTC and ATC is found in the ENTSO-E ECAN IG.

It was also agreed that the *Document version element* should be stated as “Fixed 1” in all BRSs.

#### **Homework:**

- Jon-Egil will go through the BRSs and propose new (existing) roles for where NOIS (International system operator) is used.
- Ove will make a MR for a EIC party identifier for NOIS – Will be sent to ENTSO-E by Jon-Egil
- Ove will make a MR for **Z21**, Total Transfer Capacity (TTC)
- Ove will make all *Document version* elements = Fixed 1

#### **4 Nordic TSO Schedules BRS**

The BRS was partly reviewed and the tables showing the Nordic attribute usage were updated according to the MRSs to ENTSO-E.

However several questions, including if we should make a MR for Curve Type for *Planned resource schedule*, *Production and consumption schedule* and *Corridor and cut corridor schedules* was postponed to next meeting.

The review will be continued on the next meeting.

#### **5 Review of draft BRS for Nordic trading system**

As homework from previous meeting, all should verify if the current *Reserve bid document* fits the information sent today. Jan had verified and reported that it does, even if there are some differences. I.e. Jan was not sure of

the usage and difference between ERRP "Price" and ERRP "Energy Price". The BRS was updated with the usage of Price/Energy price, in addition to the usage of "Measure unit fields".

The ENTSO-E EPD (Publication document) was added for all summary reports from all markets. Ove will as homework add the EPD to all processes using summary reports, including max price, min price and average price from Elspot (daily values) and Elbas (hourly).

Chapter 7.5.3, Dependency, was updated, but with new homework and a new review at next meeting.

It was agreed making a new MR for a reason code; *Bid not accepted*.

The question from Sweden related to amount/price was postponed to next meeting:

In the *Swedish Frequency activated reserves market* amounts is sent instead of prices, as defined in the ERRP guide. For the summary report prices cannot be used, since the activation may be based on different prices. What to do with it?

Ove had discussed the following topic from previous meeting with the ebIX<sup>®</sup>, EFET and ENTSO-E Harmonisation Group:

When modelling the bidding processes in the Nordic market it is noted that there are actors trading at Nord Pool Spot (in Finland and Sweden) that are not *Trade responsible parties (Balance responsible parties)*, however these parties have an agreement with a *Balance responsible party*. Similar Statnett has parties bidding in the RKOM (Balance regulation option market), for deactivation of consumption, that are not *Balance responsible parties*, i.e. not having an agreement with the TSO.

A short discussion indicated that this could be a new role, *Trader*. The role *Trader* will be treated as a candidate for a new role in version 2011-2 of the role model. Alternatively the *Block energy trader* could be modified to include also this role. HB will also submit the proposal for replacing Trade responsible party by (Block Energy) Trader in the implicit auctioning part of ENTSO-E/ECAN project. Probably the Role "Balance responsible party" in the definition of the Market operator has to be replaced by the Role "(Block Energy) Trader"

It was also agreed that Hanna will ask ENTSO-E for an EIC code for the NordPool spot market area.

During the meeting it was also discovered that the following measure unit codes have been added to UN Recommendation 20. Ove will update the BRSs with the new codes.

E07 megawatt hour per hour  
E08 megawatt per hertz

The spot bid document was reviewed and finalised (for the time being). Ove will make a presentation of the related process (and the document) and send to Tor for presentation at the next ENTSO-E meeting, beginning of May. The presentation will include a question to ENTSO-E if they can/will make an IG for it or if this will be a Nordic IG. It will also be asked what to do with all the different prices needed, such as max price, min price, average price (in the *Reserve allocation result document*) – Could it be solved by introducing a *Price qualifier*?

**Homework:**

- 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
- Ove will make a new MR for a reason code; *Bid not accepted*
- Ove will make a presentation of the *Spot bid document*, to be sent to ENTSO-E.
- Hanna will ask ENTSO-E for an EIC code for the NordPool spot market area

## **6 Meteorological information**

Postponed

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

Jan informed:

- The TSO's will coordinate comments after the end of circulation for comments, March 1<sup>st</sup>
- A decision for continuation of NBS will be taken in April
- The Danish participants have indicated that they want a broader scope
- Working group Business processes, earlier TF Data Exchange, will start up before Easter. Hege Bøhler from NVE will chair the group.
- Earlier work form NEG, Ediel and ebIX<sup>®</sup> will be taken into account.

## **8 Review of project plan**

Postponed

## **9 Information (if any)**

No information

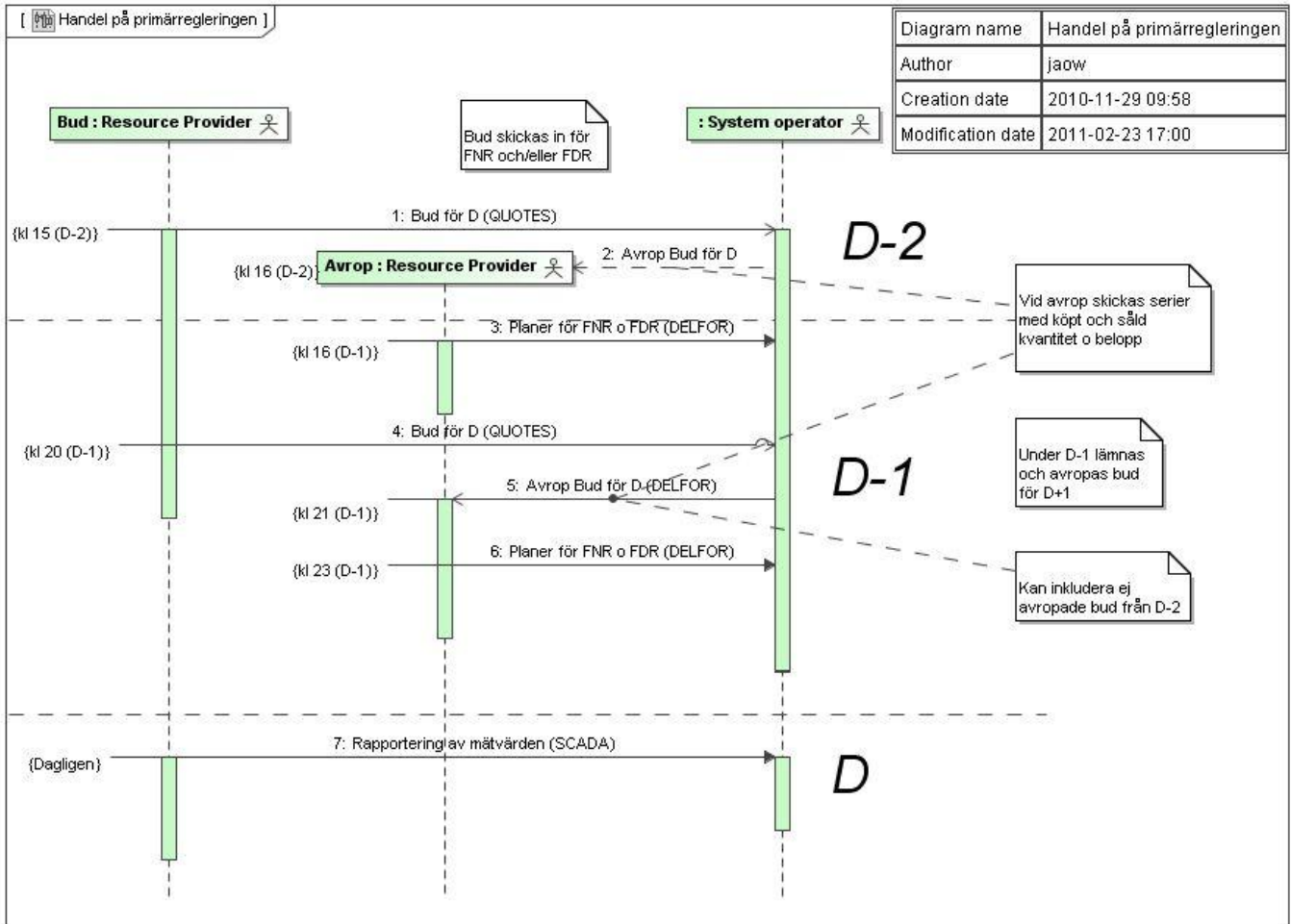
## **10 Next meeting**

April 4<sup>th</sup> and 5<sup>th</sup> 2011 in Copenhagen

## **11 AOB**

No items

# 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.

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### **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.

