Minutes - Project for Nordic (TSO) Energy Market Model for data exchange (NEMM)	
Date: November, Thursday 18th and Friday 19th, 2010 **Time:** 9:00-17:00 and 9:00 – 16:00 **Place:** Fingrid, see venue and hotel information in **Error! Reference source not found.**	**NEG** **Nordic Ediel Group**
November 30th, 2010	

Participants: Hanna Blomfelt, Nord Pool Spot
Jan Owe, SvK (First day)
Jari Hirvonen, Fingrid
Jon-Egil Nordvik (Convenor)
Ove Nesvik, EdiSys (Secretary)

To: 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:

1 Approval of agenda
The agenda was approved.

2 Approval of previous meeting minutes
The minutes from previous meeting ware approved.

3 Maintenance requests to ENTSO-E
Tor and Ove had participated at the two latest ENTSO-E meetings, presenting the NEMM maintenance requests (MR) NEMM 2010/1 to NEMM 2010/53. About half of the submitted MRs were processed and about half of these again were agreed at the first meeting. At the second meeting the code MRs were reviewed and most of the new codes requests were rejected, either with a proposal for using other codes or principles or with a comment that Nordic codes should be used. However the result was more or less as expected.

Amongst the MRs there were some change requests to EIC codes, NEMM/4, NEMM/5 and NEMM/53, which have to be submitted by the relevant TSOs *ENTSO-E Transparency Platform Coordinator (TPC)*. Rickard Nilsson from Nord Pool Spot is the TPC for Denmark, Norway and Sweden, and Katja Lipponen is the Finish TPC.

Since there was no NEMM meeting in-between the two ENTSO-E meetings, Jon-Egil and Ove had had a short meeting for making better justification of some of the code requests.

The result was reviewed with the following comments:

- Ove will send a mail to Kristina Remec, kr@npspot.com, and Richard Nilsson, rn@npspot.com, and inform them of the ENTSO-E list shown by Maurizio Monti on the latest ENTSO-E/WG-EDI meeting. See MR NEMM 2010/4.
- For agreed changes that will take affect after the next major upgrade of the ENTSO-E IGs, we will make Nordic schemas that include the change.
- NEMM 2010/11 needs better explanation and is postponed until Denmark participates.
- NEMM 2010/24 should probably be a new process
- For NEMM 2010/15 we probably need to make a new process/document related to the Nordic (Swedish/Danish) matching process.
- Related to NEMM 2010/27, 30, 31 and 32 we will make a request to ENTSO-E/WG-EDI:
  - Using *Resource object* for aggregating Wind, Hydro, Nuclear, etc. within *Market balance areas* will give multidimensional codes and a lot of unnecessary codes, Wind for NO1, Wind for NO2, Hydro for NO1, Hydro for NO2,…..
  - These are operational (resource) schedules and are not a part of the Market schedules in ESS
  - E.g. Total consumption and production are sent between TSOs and to NOIS.
  - The summary documents are used for transparency purposes, as discussed during the WG-EDI meeting November 15th.
- For NEMM 2010/28 we can live with *Connecting area* instead of *In area* and *Out area*, but not with the *Resource provider* as mandatory. We will normally identify the time series with a resource object and not the *Resource provider*. A new MR will be submitted.

Homework:
- Ove will send a mail to Kristina Remec, kr@npspot.com, and Richard Nilsson, rn@npspot.com, and inform them of the ENTSO-E list shown by Maurizio Monti on the latest ENTSO-E/WG-EDI meeting. See MR NEMM 2010/4.
- Ove will make a draft document explaining to the Nordic (Swedish/Danish) matching process, ref MR NEMM 201/15, 17, 18, 19 and 20
- Ove will redo NEMM 2010/27, 30, 31 and 32 with a better justification
- Ove will redo NEMM 2010/28 with a better justification

4   BRS for Determine transport capacity
As homework from previous meeting Jon-Egil should verify if the statement "*The domain area must be a known ELSPOT area managed by the sender TSO*" in appendix A.3.1 is still valid. It was agreed to rename *Elspot area* to *Bidding area* in all documents.

Appendix A in the BRS was updated

Homework:
- Ove will go through all documents and rename *Elspot area* to *Bidding area*

5   Review of draft BRS for Nordic trading system
The homework from previous meeting was reviewed:
- Denmark and Finland will find out if prices and/or amounts are sent in the primary, secondary and tertiary reserves markets.
  Conclusion: Postponed

- Ove will go through the BRS for the Nordic trading system and add national specialisations to the table. Thereafter everybody should add their specialities before next meeting.

Conclusion: Done

- Ove will make sure that the sequence of the markets is the same throughout the document.
  Conclusion: Done

- Ove will update the term *Frequency controlled reserves market* to *Frequency activated reserves market*.
  Conclusion: Done

- Jan will verify how to deal with the new document *Report volume and amount*, i.e.:
    o Using the EAR document, this means defining the exchange as a part of the settlement process.
    o Making a MR to ENTSO-E, asking for an amount in the *Reserve allocation result document*.
    o Changing the Swedish requirements so that a price is sent instead of an amount.
  Conclusion: The third alternative will not be possible, since it is a summary that is sent. The document is sent to the counterpart after each regulation and as a summary after the operational day, and is seen as basis for the settlement. NEMM propose using EAR under the condition that the document is used in the reporting between the operational and the settlement phases.
  Homework: Jan will verify if this is settlement (or reporting) and not operation**.**

- Ove will make proposals for dependency matrixes for the class diagrams, including Document type, Process type, Business type and In/Out area.
  Conclusion: Done

- Ove will verify the links in the references in all documents.
  Conclusion: Done for the Nordic Trading System

- Ove will replace *Nord Pool* by Nord Pool Spot in all documents, e.g. *When the term TSO is used in this document it includes also ~~Nord Pool and~~ Nord Pool Spot.*
  Conclusion: Done for the Nordic Trading System

- Ove will remove *price type* from class diagrams for all documents and use amount type instead.
  Conclusion: Done for the Nordic Trading System

And some comments from Jan was processed:
- In figure 6, page 13, the text "Makes contracts with" is misplaced. The text belongs to the association between "Balance responsible party" and "Imbalance settlement responsible".
- In chapter 4 the text "(see 3)" should be corrected to "(see chapter 3)"

The main item for the meeting was however the addition of processes and documents relevant Nord Pool Spot. The BRS for the Nordic Trading system was reviewed and among others the following were done:
- The definition of the *Trade responsible party* was discussed. NP Spot noted that they have actors trading at NP (in Finland and Sweden) that not are *Balance responsible parties;* however these parties have an agreement with a *Balance responsible party* and are therefore not a specialisation of a *Balance responsible party*. Similar Statnett has parties bidding in the RKOM (for deactivation of consumption) that are not *Balance responsible parties* (having an agreement with the TSO). Ove will bring this question up in the HG.
- Today NP sends separate messages (DELFOR and /or MSCONS) with volumes, prices and/or amounts. Hanna promised to verify if these can be sent in one document in the future.
- *Elspot* will be renamed to *Day ahead (Elspot) market* and *Elbas* to *Intraday (Elbas) market*
- The *Area specification document* was reviewed and the identification of the area borders was discussed. In the current document proposal the border is identified using *Tielines*, *Lines*, *Resource objects*, *Split*

busbars or *Transformer stations*. The question was if we also (or alternatively) need the *Connection points*.

Homework:
- Ove will bring up the question that there are parties (similar to *Trade responsible parties*) that do not have an agreement with the TSO up in the HG, see above. Definition proposal:

    A *Trade responsible party* must have a balance responsible agreement with the respective *System operator* or through another *Balance responsible party*"

- Hanna will:
    - Verify if the documents sent today (DELFOR and /or MSCONS) with volumes, prices and/or amounts can be sent as one common document in the future.
    - Find text for chapter *2.4.4, Intraday (Elbas) market*
- Ove will rename *Elspot* to *Day ahead (Elspot) market* and *Elbas* to *Intraday (Elbas) market*
- Hanna and/or Tor Åge will verify how the area borders shall be identified, using *Connection points*, *Lines* or other objects*.

6 Review of draft BRS for Nordic settlement system (if possible before a report form NBS is available)
The item was postponed.

7 Review of project plan
The operational phase is covered by the other BRSs and will not be continued. The project plan was updated, see Appendix B.

8 Discussion: What to do with *No value*
It is proposed to use *Reason Code* and *Reason Text* as reason codes in *Intra-day available capacities - initial capacities* in NOIS, as a quick intermediate solution for *No value*. There is however no available ENTSO-E code for *No value* and *Reason Code* is mainly used for error cods.

From ebIX®, EFET and ENTSO-E Harmonisation group (HG):
    The Nordic Ediel Group asked if the HG have a position related to addition of a *Quantity quality* (or status) to the Data Type *Quantity*. The *Quantity quality* will typically be used to specify "*no-value*" or "*nill*".

    There was no answer on how to implement *nillable*. This is a general question/problem, not only related to quantities (also relevant for amounts and other values).Qualities, such as *metered* and *estimated* was seen as an attribute to the observation and not the quantity and should therefore be a separate element (attribute) and not a part of the *Quantity*. It was however agreed to put it on the agenda for next meeting, related to the discussion of CCs and common header.

For the moment NP Spot sends only zeroes, without any status reason or similar.

On short term we will not get anything from the HG. There is a NOIS meeting in Paris next week where Jon-Egil and Jari will bring up the issue.

A status after next NOIS meeting will be put on the next meeting agenda.

9 Information (if any)
No items

10 Next meeting
December Wednesday 15th and Thursday 16th in Oslo

11 AOB

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. Follow up on question to the HG on how to handle a *Quantity quality* (metered, estimated…) and "*no-value*" or "*nill*".

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

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

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 *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 docu*ment 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.
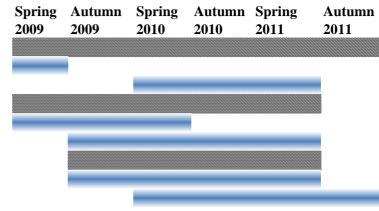
Phase 4 Settlement process
Phase 4 started in spring 2010, but is currently awaiting the Nordic Balance Settlement (NBS))

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® standards.

Activity	Spring 2009	Autumn 2009	Spring 2010	Autumn 2010	Spring 2011	Autumn 2011
Phase 1, Determine transport capacity						
BRS						
Change request to ENTSO-E						
Phase 2, Scheduling process						
BRS						
Change request to ENTSO-E						
Phase 3, Nordic Trading System						
BRS						
Change request to ENTSO-E						
Phase 4, Settlement process	Avaiting NBS (Nordic Balancing System)					
BRS						
Change request to ENTSO-E						
Phase 5, implementation verification						