


Minutes - Project for Nordic (TSO) Energy Market Model for data exchange (NEMM) Date: September, Monday and Tuesday 14 nd and 15 th , 2010 Time: 9:00-17:00 and 9:00 – 16:00 Place: SvK October 29 th , 2010	
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Participants: Jan Owe, SvK
Jari Hirvonen, Fingrid (first day)
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
Hanna Blomfelt, Nord Pool Spot
Jesper Gronlund
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

During this item the old Nordel logo was replaced with the NEG logo from the www.ediel.org web page.

3 Maintenance requests to ENTSO-E (Status)

A presentation of the NEMM Maintenance Requests (MR) #1-53 to ENTSO-E was reviewed. The presentation will be forwarded to the ENTSO-E TF EDI after the NEMM meeting, for the ENTSO-E TF EDI meeting September 30th and October 1st. Tor an Ove will participate on the meeting, unless anybody else from the project wants to replace Ove.

Among others the following changes were done:

- The changes/additions to EIC were moved early in the presentation.
- Addition of slides with arguments for the proposed changes.
- The Business type codes **Z17**, *Technical minimum production* and **Z18**, *Technical maximum production* was added as a new MR

Jon-Egil showed the following sentence from the ENTSO-E minutes from TF-EDI meeting 66 2009-06-08, paragraph 4.2. MM (Maurizio Monti) *He stated also that EDI shall apply the methodology agreed and based upon UN/CEFACT concepts.....*

From the WG-EDI ToR:

- Cooperate with relevant standardization organizations, to develop a homogeneous set of EDI standards for the European electricity market

- The contributions of the EDI consultant apply on the following areas:
 - ...
 - To provide feedback about the current evolutions within the EDI standardisation world to ensure that the ENTSO-E standards follow the international standardization methodology.

The new MRs, #55 to #88 were postponed until next meeting, since it might be good to await the result from the first MRs.

MR 54-85 was reviewed and updated. How to deal with them will be decided on the next meeting, after experience with the first set of MRs.

Homework:

- Ove will make a new DMR for the codes **Z17**, *Technical minimum production* and **Z18**, *Technical maximum production* used in the Schedule BRS.

4 Code list library

As Homework from previous meeting Ove had made a MR for the *Document type code Z04*, The MR was reviewed and agreed.

The Business type codes **Z17**, *Technical minimum production* and **Z18**, *Technical maximum production* were reviewed and the definition was updated, together with the definition of code **Z19** and **Z20**.

5 BRS for Determine transport capacity

Attribute usage and *Business rules* was reviewed and updated.

Homework:

- Jon-Egil will 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.

6 Review of draft BRS for Nordic trading system

As homework from previous meeting Jan should verify if the Exchange of Ancillary services (Reserve resources) below are covered in the BRS:

- a) Trading for Secondary Balance Regulation (net energy and net amount) and Supportive Power (net energy and net amount) divided into whether the order was carried out on the Regulation Object for production and/or consumption.
- b) Trading for Primary Regulation (net amount and net volume) divided into trade with basic and spot regulation capability respectively.

The Swedish secondary reserves market is the same as what is called tertiary reserves market within ENTSO-E (and earlier Nordel). The Swedish secondary reserves market is also the same as *Balance regulation market* as described in the NEMM BRS. Sweden is sending amounts, while Norway is sending prices. The message exchange documented in the BRS covers a detailed report, sent to the actors, including information on the bid level. A summary report, to be used as a basis for verification of the trades should be added to the BRS. There is however not possible to send an amount in the *Reserve allocation result document*. The alternatives are:

- Using the EAR document, this means defining the exchange as a part of the settlement process.
- Making a MR to ENTSO-E, asking for an amount in the *Reserve allocation result document*.

- Changing the Swedish requirements, i.e. send a price instead of an amount.

The flows in the Swedish primary reserves market is the same as the flows in the *Frequency controlled reserves market*, as planned described in the NEMM BRS. Sweden is sending amounts, while Norway is sending prices.

Ove had updated the document after previous meeting, except for the new code request for the *Process type code Z05, Bilateral trade*, used for the process *Trade bilaterally between System operators*. The MR was postponed, since we currently don't have any document to exchange.

Ove had added a table, based on a similar table in the COBS report, in the BRS for the Nordic trading system, containing one row for each arrow in the sequence diagram and one column per country with *comments* (without the detailed identification columns in the COBS document). Ove will go through the BRS and add national specialisations to the table. Thereafter everybody should add their specialities before next meeting.

The following comments to the document was received by Jan:

- The order of "LFC Market...", "Reserve option market...", "Frequency controlled reserves market...", "Elspot market..." is not the same in different chapters. Cfr for instance chapter 2.4, 6.3/6.4 and 2.3.
Conclusion: The sequence should be:

1. LFC market
2. Reserve options market
3. Elspot market
4. Frequency activated reserves market
5. Balance regulation market
6. Bilateral trade between System operators

During this item Jon-Egil got a homework finding out if we should use the term *Frequency activated reserves market* or *Frequency controlled reserves market*.

- Chapter 6.1 and 6.4. What is the status? In chapter 6.4 I read: "*The Trade on Frequency controlled reserves market is expected to be redone as a common Nordic market, with new rules available during summer 2010.*"
Conclusion: Both put on hold
- When I read in chapter 7.1 about "Area specification document", I wonder, where in the rest of the document (in an activity diagram?) can I (or will I) read about the exchange of this document?
Conclusion: This will be used for the Elspot, and LFC and Reserve option markets. The areas used in the Balance regulation market and the Frequency activated reserves market are the same as used in the Elspot market. The document was added to the Reserve option market.
- Chapter 7.2.3.2: Here I find two lines with Currency - will not be used for all markets in the Nordic countries. The second one should be Curve type - will not be used in the Nordic countries.
Conclusion: Curve type was added to the document
- As in the header in chapter 6.2 it should be stated also in the header in chapter 2.4.2 that the Reserve options market is "Only Norway".
Conclusion: Added

- In chapter 6.5 there is a text below "Figure 14": "The *Business process* is further described below." Is it? It is only a figure there (Figure 15), and no text. And Björn Rydell here at Svenska Kraftnät asks "Why is there a box with Trade Rejected?"
Conclusion: Text added
- In chapter 6.6 there is a text "Active bidders on the Balance regulation market must be able to regulate their delivery and usage within a space of 15 minutes." We also use bids with longer activation time than 15 minutes, and NOIS will most likely in the future handle everything that has been regulated by the TSO's. The smallest change could then be to change "within a space of 15 minutes." to "within a space of normally 15 minutes." or a rewritten text that not explicitly states 15 minutes.
Conclusion: Text updated

Homework:

- Denmark and Finland will find out if prices and/or amounts are sent in the primary, secondary and tertiary reserves markets.
- 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.
- Ove will make sure that the sequence of the markets is the same throughout the document.
- Ove will update the term *Frequency controlled reserves market* to *Frequency activated reserves market*.
- Jan will verify how to deal with the new document *Report volume and amount*, i.e.:
 - Using the EAR document, this means defining the exchange as a part of the settlement process.
 - Making a MR to ENTSO-E, asking for an amount in the *Reserve allocation result document*.
 - Changing the Swedish requirements so that a price is sent instead of an amount.
- Ove will make proposals for dependency matrixes for the class diagrams, including Document type, Process type, Business type and In/Out area.
- Ove will verify the links in the references in all documents.
- 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*.
- Ove will remove *price type* from class diagrams for all documents and use amount type instead.

7 Review of draft BRS for Nordic settlement system

As homework from previous meeting Jon-Egil had contacted Tor, asking for a clarification of the mandates for the NEMM and COBS projects. In addition Christian Odgaard had informed of this concern related to this issue, since Denmark needs the BRS for their data hub. The NBS (Nordic Balance Settlement) project is working with different rules than those specified in the current BRS. We will await the result for NBS before updating the BRS for settlement.

The item was postponed until we get new rules from NBS.

8 Review of issues "To be discussed and agreed" and project plan

Appendix A, To be discussed and agreed was reviewed:

- Item 3 removed, since there are no nominations in the Nordic countries
- New item 3 will be put on the next agenda
- New item 6 was removed, code request to ENTSO (Bilateral trade)

Appendix B, Extract of the overall project plan was postponed until next meeting

9 Information from ebIX, EFET and ENTSO-E Harmonisation group

Ove informed from the latest ebIX, EFET and ENTSO-E Harmonisation group meeting:

- The *Billing agent* in the model? Note that it is agreed removed by the ebIX/EFET/ENTSO-E HG
- The element *Corridor* should be defined as an *Accounting point*
- A new role is proposed, *Capacity Coordinator*, with the definition:

A party, acting on behalf of the SOs involved, responsible for establishing a coordinated Offered Capacity and/or NTC and/or ATC between several Market Balance Areas.

10 Information from NSG (NOIS System Group) v/ Christer Norlander (?)

Christer gave a short presentation of NSG.

For the future NSG should be informed of final review of the NEMM BRSs and when NEMM finds it interesting to discuss topics from the NEMM meetings.

11 Information from NordREG Task Forces (if any)

No new information

12 Next meeting

November, Thursday 18th and Friday 19th at Fingrid

December, Wednesday 15th and Thursday 16th in Oslo

13 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 “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

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 (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[®] standards.

