


Minutes Project for Nordic (TSO) Energy Market Model for data exchange (NEMM) Date: December, Wednesday 15 th and Thursday 16 th , 2010 Time: 9:00-17:00 and 9:00 – 16:00 Place: EdiSys, Oslo December 17 th , 2010	
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Participants: Hanna Blomfelt, Nord Pool Spot (Thursday)
Jan Owe, SvK
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
Jari Hirvonen, Fingrid
Jesper Gronlund, Fingrid
Roar Grindstrand, Statnett
Tor Åge Halvorsen, Nord Pool Spot

CC: Jan-Olov Lundberg, SvK
Oscar Ludwigs, SvK
Tor Bjarne Heiberg, Statnett

Attachment:



NEMM Maintenance
requests - Overview 21, see item 3, Maintenance requests to ENTSO-E

1 Approval of agenda

The agenda was approved with the following additions/corrections:

- *Weather data*, see 9.1 under AOB
- Item 6, review of project plan was removed (copy error from previous agenda)

2 Approval of previous meeting minutes

The minutes from previous meeting were approved with a correction of a spelling error. Ove will put the two latest minutes on www.ediel.org.

Homework:

- Ove will update www.ediel.org with the two latest minutes.

3 Maintenance requests to ENTSO-E

- NEMM 2010/11 needs better explanation (from Denmark)

Action: The MR was updated with a better explanation. In addition new codes are proposed for *Non-adjustable production/consumption* (NEMM/2010-87)

- NEMM 2010/15, 17, 18, 19 and 20 needs a better process documentation related to the Nordic (Swedish/Danish) matching process.

Action:

- The MRs were reviewed and withdrawn. We will use the Intermediate confirmation report instead.
 - Mikael will verify the usage of *Business type codes* in the Intermediate confirmation report.
- NEMM 2010/24 should probably be a new process

Action: The MRs were reviewed and withdrawn. We will use the Imposed time series class, or the ID from the original sender of the schedule.

- 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.

Action: The MRs were reviewed and withdrawn. We will use a proposal from WG-EDI where the Resource object can be Wind, Hydro, And, the area (NO1, NO2, DK1, SE...) will be the Connecting area.

- For NEMM 2010/28 and 29 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.

Action: The MRs were reviewed and withdrawn.

- NEMM 2010/33 – 53 must be reviewed (postponed from previous meeting)

The BRS for schedules was updated with the Actions above, except for some minor changes that Ove will correct as homework.

Homework:

- Mikael will verify the usage of *Business type codes* in the Intermediate confirmation report.
- Ove will finalise update of the BRS for Schedules with the action items above.
- Ove will send the new/updated MRs to NEMM for review until Tuesday 21st in the afternoon. Thereafter Tor will be asked to forward them to ENTSO-E/WG-EDI.

4 Review of draft BRS for Nordic trading system

4.1 Homework from previous meetings

- Ove will rename *Elspot* to *Day ahead (Elspot) market* and *Elbas* to *Intraday (Elbas) market*

Action: an updated BRS has been distributed.

- 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.

Conclusion: Since the amount of data and attributes are large it should continue being several documents. The same documents will be used for the Elspot/Elbas markets as for the other markets described in the BRS.

- Find text for chapter 2.4.4, *Intraday (Elbas) market*

Action: The BRS was updated.

- Find text for chapter 6.4, *Process area: Trade on Intraday (Elbas) market*

Action: Continued homework

- Hanna and/or Tor Åge will verify how the area borders shall be identified, using *Connection points, Lines* or other objects.

Conclusion: Today the borders are defined using the connection points. It will have to be investigated if this is to be changed in the future. Nord Pool Spot will ask the market players and software system providers for their opinion and come back with a proposal.

Homework:

- Nord Pool Spot will ask the market players and software system providers for their opinion and come back with a proposal.
- Hanna will find text for chapter 6.4, *Process area: Trade on Intraday (Elbas) market*

4.2 Review and update of BRS for the Nordic trading system

A code for the system price was suggested and Hanna will verify with Tor Åge if this is suitable.

Z32, System price The time series provides the system price, which is calculated as the price that will be realised if there are no congestions between Market balance areas.

Hanna will also verify with Tor Åge what measure unit that will be used for volumes, MWH or MAW.

The text in chapter 2.4.4: “*The participants are, in some of the countries, obligated to report the trades done on Elbas to their local System Operator (SO)*” should be verified on the next meeting.

For next agenda:

- Review of NPS usage of the *Reserve allocation result document*, such as max price, min price, average price.....
- Review of 7,5,3, Dependency

Homework:

- All will verify if the current *Reserve bid document* fits the information sent today.
- Ove will update the BRS according to notes in the document.

4.3 Swedish Frequency activated reserves market

As homework from previous meeting Jan should verify if this is settlement (or reporting) and not operation. A speciality with the Swedish Frequency activated reserves market is that the control centre reports the transactions in four parts:

- Activations (trade) in secondary (tertiary) balance regulations per *Regulation object* (amount and energy)
- Activations (trade) in secondary (tertiary) balance regulations per *Consumption regulation object* (amount and energy)
- Activations (trade) in primary balance regulations FNR per *Cut area* (amount and power)
- Activations (trade) in primary balance regulations FDR per *Cut area* (amount and power)

It is however a bit more complicated, since Sweden activates for FNR and FDR *day minus 2* and thereafter *day minus 1*, and in addition, since the activations don't reference the bids and not are per *Regulation object*, Sweden report activations as *bought MW* and *sold MW*. Totally this gives 8 different time series with amount and volume from the activations in the primary balance regulations. See also Appendix A.

The messages exchanged seem to fit the current model. However Sweden is sending amounts and not prices, which are used in the ERRP guide. What to do will be put on the next agenda. For the summary report prices cannot be used, since the activation may be based on different prices.

5 Review of draft BRS for Nordic settlement system (if a report from NBS is available)

The item is postponed until next meeting. NBS has a meeting at Gardermoen December 15th and a report is expected to be published Friday December 17th.

6 Discussion: What to do with No value

The solution after the NOIS meeting in Paris week 48 (29/11 – 3/12), where Jon-Egil and Jari participated, was to avoid sending *no values*. NOIS will await a solution from NEMM and ENTSO-E/WG-EDI, and NEMM will for the time being await a solution from ENTSO-E/WG-EDI.

7 Information (if any)

None

8 Next meeting

- January 28th, 9:00 – 11:00, Telephone conference (arranged by Jon-Egil)
- March Tuesday 1st and Wednesday 2nd 2011, in Copenhagen
- April Monday 4th and Tuesday 5th 2011, Starting 10:00 on Monday, Stockholm (?)

9 AOB

9.1 *Weather data*

Today weather data is received in Norway and Sweden as DELFOR documents. However, the SMHI has asked for a XML solution instead of EDIFACT. The following alternatives for XML standards were suggested:

- Make a new process and document based on the ENTSO-E scheduling system (ESS)
- Make a new process and document based on ebIX[®] EMD processes/documents
- Ask SMHI, Met (Norway) or another Nordic meteorological organisation for what they are using.

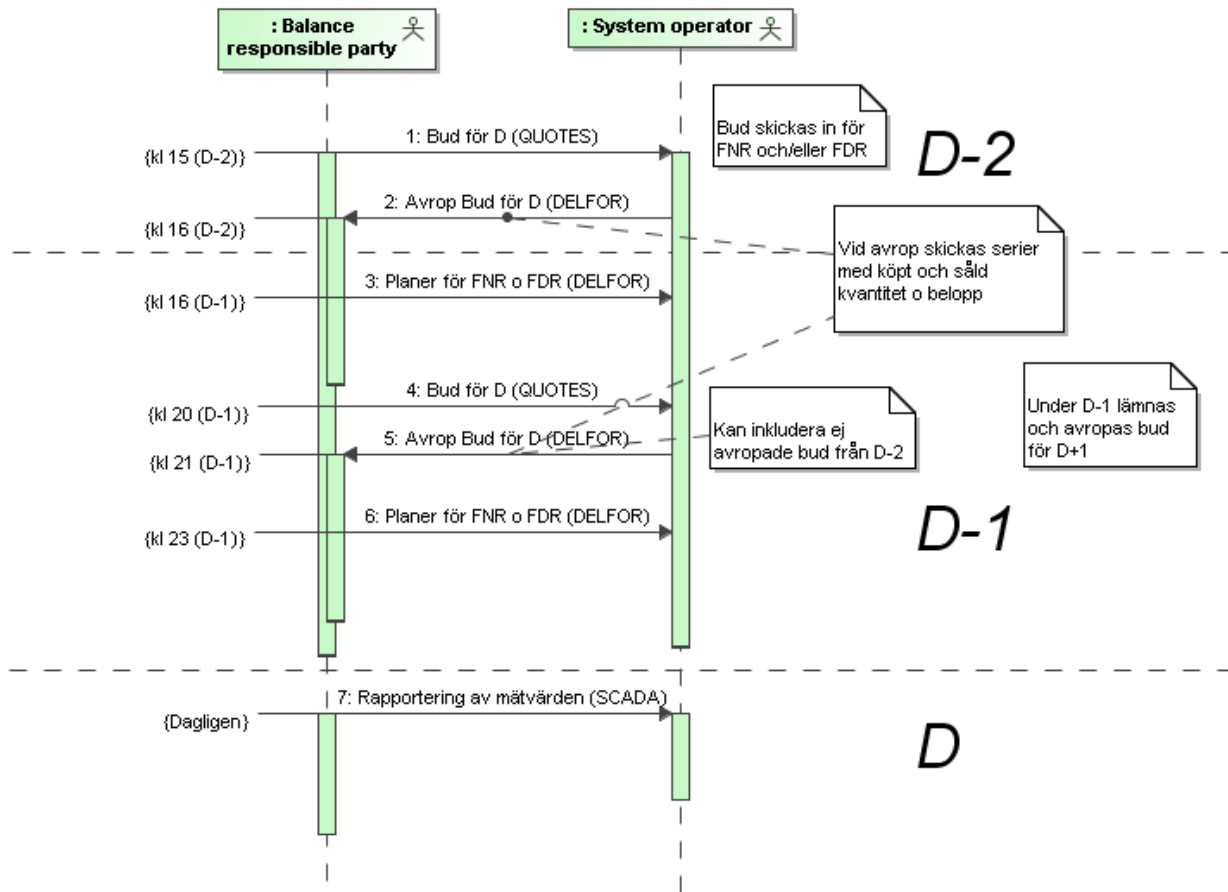
Jan informed that a new standard also should include water regulations (water stands, flows etc.).

Jon-Egil, Jan, Hanna and Mikael promised to contact their national meteorological organisations asking (e.g. Met (NO) and SMHI) for possible XML formats for meteorological information. The result will be discussed on the next NEMM meeting.

Homework:

- Jon-Egil, Jan, Hanna and Mikael will contact their national meteorological organisations asking for possible XML formats for meteorological information.

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

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 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[®] standards.

