


Minutes - Project for Nordic (TSO) Energy Market Model for data exchange (NEMM) Date: Monday and Tuesday June 4 th and 5 th , 2012 Time: 09:00-18:00 and 9:00 – 14:00 Place: Stockholm June 8 th , 2012	 NEG Nordic Ediel Group
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Participants: Jan Owe, SvK
 Jon-Egil Nordvik (Convenor)
 Ove Nesvik, EdiSys (Secretary)
To: Antti Niemi, Nord Pool Spot
 Christian Hoang Huy Le, Statnett
 Christian Odgaard, Energinet.dk
 Eveliina Ishii, Nord Pool Spot
 Hanna Blomfelt, Nord Pool Spot
 Jan Owe, SvK
 Jari Hirvonen, Fingrid
 Jon-Egil Nordvik (Convenor)
 Ole Fredsø Weigelt, Energinet.dk
 Ove Nesvik, EdiSys (Secretary)
 Roar Grindstrand, Statnett
CC: Jan-Olov Lundberg, SvK
 Oscar Ludwigs, SvK
 Tor Bjarne Heiberg, Statnett
 Tor Åge Halvorsen, NordPool
Attachment: None

1 Approval of agenda

The agenda was approved with the following additions:

- PRODAT extensions from Sweden, see 15.1 under AOB

2 Approval of previous meeting minutes

The minutes from previous meeting were approved.

3 NBS

From NEG meeting May 3rd 2012:

- In the NEMM memo there are some documents that not yet have been specified by ebIX[®] or ENTSO-E. ebIX[®] has however confirmed that they will restart the EMD (ebIX[®] Metered Data) project to define the needed documents, under the condition that the Nordic countries comes up with Nordic participants in EMD. The last years, only Denmark has participated in EMD, due to lack of resources in Norway and Sweden. Oscar proposed to address this in the Market Steering Group. ***NEMM will, at the next meeting, make a document explaining why participation in EMD is important.*** The document should be sent to Oscar, who will forward it to the Market Steering Group for their June meeting
- Kristian Bernseter was missing a reasoning (explanation) for the choice of message standard to be used.
- Jon-Egil will inform NBS formally that NEG has approved the project and will come up with a BRS within end of August.

A memo for the Nordic Market Steering Group was made.

Homework from previous meeting:

- All will verify internally within each TSO the position related to MADES and NBS
Status: Postponed until next meeting.
- Ove will make a note presenting the sequence diagrams made during the meeting. The comments will be moved to a related word table to increase the readability and the questions to NBS and EMD. The note will be distributed to NBS and NEG.
Status: Done

Further work within NEMM, until August 2012, will be:

- Verify internally within each TSO the TSO-position related to MADES and NBS. Alternatively what other communication means will be recommended.
- Verify open questions (which document types to use) with ebIX® EMD project.
- Propose activity diagrams for the different processes.
- Verify that the content of the suggested messages fits the NBS needs.

Ole had made some comments to the *Memo NEMM proposal for document standards for NBS* from April 25th, which was reviewed and the memo was updated.

Ole also informed that he had not found resources for looking into the Settlement Process' (NBS) reconciliation phase yet, due to heavy work with the DataHub project. He hopes to have verified this until next NEMM meeting.

NEMM had received some "Questions from NBS Market design/IT system project group", see Appendix A. The questions were reviewed with the following comments/answers, which was forwarded to NBS:

Implementation Plan

A draft project plan was made:

Activity	June 2012	July 2012	August 2012	Sept. 2012	October 2012	Nov. 2012	Dec. 2012	January 2013
Phase 1 Overview of documents/processes	Phase 1							
Verify the TSO-position related to MADES	Phase 1							
Verify document types with ebIX® EMD	Phase 1							
Create activity diagrams for relevant processes	Phase 1							
Verify that content of choosen documents fits NBS need	Phase 1							
Approval by NBS/NordREG				◆				
Phase 2 Overview of documents/processes				Phase 2				
Present draft documents/processes overview for national Ediel groups (Work Shops?)				Phase 2				
Present documents/processes overview for Ediel conferences in Norway and Sweden					Phase 2			
Detailed document specification				Phase 2				
Present document specifications for national Ediel groups (Work Shops?)							Phase 2	
Approval by NBS/NordREG								

NEMM expects continuous contact with NBS/NordREG during the project, for clarification and information exchange.

Decisions

NEMM propose to involve national Ediel groups, such as Ediel Teknikgrupp in Sweden and NEE in Norway, throughout the project period, but first after the draft process/document overview has been made. NEMM also thinks that a presentation at the Norwegian and Swedish Ediel conferences are important. NEMM believe that the formally approval procedure should be that NBS approves the NEMM work and that the final approval should be done by the national regulators.

Actor Consultations

Under the condition that we have understood the question correct, NEMM has the following comment. The NEG recommendation is to migrate to XML, when implementing NBS. This means that the present documentation used in the Nordic countries today needs a complete recast. NEMM thinks it will be a good idea to make a common Nordic implementation guide for implementation of the document exchanges for NBS.

Other questions, ref. memo Nordic TSO XML project issued April 25, 2012

5.1 The two organisations ebIX[®] and ENTSO-E have agreed that ebIX[®] is the responsible body for defining data exchange standards for the retail European Energy market, while ENTSO-E is the responsible body for defining data exchange standards for the wholesale European Energy market. This means the only available standard for the retail energy market, which can be implemented with only smaller adaptations to new common Nordic market rules, is the one from ebIX[®]. The same apply for the wholesale electricity market, where the only available standard, which can be implemented with only smaller adaptations to new common Nordic market rules, is the one from ENTSO-E. It should be noted that the recommendation to use ebIX[®] documents for the retail electricity market and ENTSO-E documents for the wholesale electricity market will imply that the Nordic energy market will use two standards having different semantics. There are also grey zones on the border between the wholesale and the retail energy markets. It is for instance not clear which organisation (ebIX[®] or ENTSO-E) that is responsible for aggregated data used for settlement. This will have to be clarified during the NEG project summer/autumn 2012.

The consequence of choosing only one of the standards (ebIX[®] or ENTSO-E) will be that we actually will have to make proprietary Nordic documents (based on one of the standards) for either the wholesale or the retail market, however:

- the TSOs have an obligation to use the ENTSO-E documents in the wholesale market
- making proprietary documents for the Nordic retail market will give problems when implementing a common Nordic end user market a year later (2015), where it is expected that ebIX[®] documents will be chosen

5.2 NEMM will make an overall requirement specification for not defined documents, such as LPS per MGA before the delivery month, within end of August. The requirement

specification is expected to be the basis for the Implementation guide that ebIX[®] will be asked to make.

- 5.3 Since we must expect that all the actors in Nordic energy market will have to do pretty large modifications to their software systems when migrating to new NBS, the recommendation is to do a complete change of data exchange standards at a given date.
- 5.4 The TSOs have been asked to discuss and come back with their position regarding usage of MADES, see proposed project plan above.
- 5.5 If MADES will be available at the end of 2014 will have to be further investigated.
- 5.6 The way to ensure that NBS is in compliance with the retail market is to have an active participation from the Nordic countries in the ebIX[®] standardisation work. In this way we can make sure that the Nordic needs are handled in a proper way.

Some unsolved issues:

- The Nordic countries already have a common web site, www.ediel.org, where common documentation is published. Could we use this also for NBS documents?
- Is a test application, such as the test application used by Norway and Sweden (www.ediel.no and www.ediel.se) needed for NBS?
- Also a Nordic maintenance organisation is needed, but how to organise such a body must be further investigated. Today the Nordic countries have national groups that discuss and agree changes. How to organise the interface between the national groups and a common Nordic group needs investigation. It is however pretty clear that there should be one common Nordic group, which is responsible for the technical documentation.

In addition an Excel sheet was received, where NEMM thinks that the cells originally containing EDIFACT should be replaced with Ediel:

	Finland	Sweden	Norway	NEG/NEMM position paper
"Wholesale" - NBS/coming Communication platform*		ENTSO-E XML / ebIX		recommended SMTP/ webservice
	FTP	SMTP	SMTP NUBIX/ webservice	
Datahub / maybe coming Retail*	Ediel PRODAT MSCONS	Ediel PRODAT ebIX UTILTS	Ediel PRODAT MSCONS ebIX UTILTS	recommended ebIX (XML)
AMR/coming	Ediel MSCONS PRODAT	?	?	?

* recent situation

The next NEMM meetings are scheduled for June 26th and 27th in Copenhagen and August 21st and 22nd in Oslo. If possible, NEMM would appreciate participation from NBS on one of the two days on both meetings.

A BRS for the Nordic Settlement System was drafted, based on the *Memo NEMM proposal for document standards for NBS* from April 25th. Ove will as homework write a first version of this BRS.

4 Maintenance requests to ENTSO-E

Homework from previous meetings:

- Antti will submit a request for EIC code for the Nord Pool spot market area
Status: Postponed

There was no news related to submitted MRs.

5 BRS for Schedules

Comments/questions from Jan:

- In chapter 6.2 in the BRS I read that Denmark can “Exchange production prognoses”. The message is then a “Planned resource schedule” (as when sending operation schedules). But what code(s) would be used as Document type? And are there other things in the “Planned resource schedule (chapter 7.2)” that should be noted as “this is only used for Exchange production prognoses”.
Status: Postponed
- Is “Appendix C, NEMM-planned-resource-schedule-document.xsd” still relevant?
Status: The appendix was removed
- Should we change “Business type characteristics” to “Business type characteristic”, i.e. not having it in plural?
Status: This is an element that NEMM has asked for from ENTSO-E/ERRP and we will await a decision in the ERRP project.

Ove had added the Outage Document as a new chapter in the current schedule BRS, based on chapter 11 in NOIS/SOW. There was however no time to review it.

6 BRS for Nordic trading system

Homework from previous meeting:

- Ove will do some final updates before distributing the document to NEMM.
Status: Done.
- Eveliina is asked to review the updated BRS for the Nordic trading system.
Status: Postponed.

Tasks:

- Status for the question to the ERRP project; if we should specify an *ERRP Auction specification document*?
Status: No change – Will be followed up at next meeting.

Ole had made some comments to BRS *Nordic trading system 0r6I* from May 21st, which was reviewed and agreed. The BRS was updated.

Homework:

- All will verify for which markets a Contract ID is needed in the *Reserve allocation result document*

7 Review of Appendix B, To be discussed and agreed

Due to lack of time the item was postponed.

8 ENTSO-E ERRP WG status

No relevant news. A status will be put on the next agenda.

9 Implementation verification

No news. The item was postponed.

10 Information from "EMFIP"

Jon-Egil informed that test related to the *Electricity Market Fundamental Information Platform* (EMFIP) will start up before summer 2013, using existing data. A status will be put on the next agenda.

11 CIM XML

The item was postponed.

12 Meteorological information

Jon-Egil has been in contact with the Norwegian meteorological organisation, but had not yet received any response. The homework from previous meeting will be continued:

- All will investigate the need and position for making a common Nordic (or wider) standard for meteorological information.
- All are asked to contact their national meteorological organisation, asking for their view of a standard for exchange of meteorological information.

13 Information (if any)

No information exchanged.

14 Next meeting

- June 26th and 27th in Denmark
- August 21st and 22nd, Oslo

15 AOB

15.1 PRODAT extensions from Sweden

The PRODAT IG was updated and distributed to NEG for comments:

- Addition of code *Z03 Defined by Metering point administrator* in SG14/CAV
- Addition of *Measuring method* in PRODAT/Z09

Appendix A QUESTIONS FROM NBS MARKET DESIGN/IT SYSTEM PROJECT GROUP

1 General

On previous NEMM-meeting, dated April 11th, NBS project leader made a request that NEMM-group would come up with an overall proposal for the document exchange, such as number of documents and which standard (ENTSO-E, ebIX[®] or other), by the end of August 2012. According to this, NBS working group has raised some questions that need clarification.

2 Implementation Plan

To ensure that the process of developing a model and format for the Nordic electricity market is implemented in a smooth way, NBS working group hereby makes a request for a disaggregated implementation plan (time schedule, activities, etc.). Reason for this is an overall question how NEMM-group will implement the changes for the Nordic market according to NBS.

The NEMM-group has already asked some questions and which has been distributed to all members of NBS-working group. Our suggestion is that NBS will provide a single point of contact (Pasi Lintunen), which then can compile and respond to all questions. However, some of the questions may take some time to answer, which can affect the time schedule.

3 Decisions

Who will formally decide the outcome from NEMM –work? Changes in information exchange and format may result in significant cost for the actors. According to this, it is necessary to have a transparent process for decision.

4 Actor Consultations

What kind of process does the NEMM-group use to establish the model and the format to all actors on the Nordic energy market? This could of course be a part of the implementation plan.

5 Other questions, ref. memo Nordic TSO XML project issued April 25, 2012

- 5.1 *Based on your proposal ebIX (retail market biased) and ENTSO-E XML (wholesale market biased) have been considered as communication standards. What are pros/cons using more than one/just one standard? Do you see it worth the efforts to try use only one standard ?*
- 5.2 *If there is no defined IG (Implementation Guide) yet, how does the update process work? (Such as LPS per MGA before the delivery month). Do we change the IG or NBS model?*
- 5.3 *How would you handle the interim period? (from the existing systems to new, concentrated common IT platform at SR). In other words, what is the envisaged recommended road map?*
- 5.4 *What are your thoughts regarding communication platform?*
- 5.5 *Regarding MADES and implementation of NSB (end 2014), how do you see the time schedules? How likely it is that MADES is at our disposal at the end of 2014?*

5.6 *How do we ensure our (NBS) selection is in compliance with the retailer market? (see chapter 4.5 in NEG/NEMM position paper) and the attached excel file "DataInterfaces"*

Appendix B TO BE DISCUSSED AND AGREED

1. 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.
2. Follow up on question to the HG on how to handle a *Quantity quality* (metered, estimated...) and “*no-value*” or “*nil*”.

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[®] standards.

Activity	Spring 2009	Autumn 2009	Spring 2010	Autumn 2010	Spring 2011	Autumn 2011	Spring 2012	Autumn 2012	
Phase 1, Determine transport capacity	[Activity duration]								
BRS	[BRS duration]								
Change request to ENTSO-E			[Change request duration]						
Phase 2, Scheduling process	[Activity duration]								
BRS	[BRS duration]								
Change request to ENTSO-E		[Change request duration]							
Phase 3, Nordic Trading System		[Activity duration]							
BRS		[BRS duration]							
Change request to ENTSO-E			[Change request duration]						
Phase 4, Settlement process	Awaiting NBS (Nordic Balancing System)								
BRS									
Change request to ENTSO-E									
Phase 5, implementation verification					[Activity duration]				