



Agenda - Project for Nordic (TSO) Energy Market Model for data exchange (NEMM) Date: Monday and Tuesday October 15 th and 16 th , 2012 Time: 10:00-17:00 (18:00?) and 9:00 – 15:30 Place: Stockholm October 17 th , 2012	
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Participants: Jan Owe, SvK
Jari Hirvonen, Fingrid
Jon-Egil Nordvik, Statnett (Convenor)
Ole Fredsø Weigelt, Energinet.dk
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, Statnett (Convenor)
Ole Fredsø Weigelt, Energinet.dk
Ove Nesvik, EdiSys (Secretary)
Roar Grindstrand, Statnett

Invited guests: NBS is invited to participate one or both days
Morten Torgalsbøen, Statnett (NBS)
Mats Elmér, SvK (NBS)
Timo Kiiveri, Fingrid (NBS)
Pasi Lintunen, Fingrid (NBS)

CC: Jan-Olov Lundberg, SvK
Oscar Ludwigs, SvK
Tor Bjarne Heiberg, Statnett
Tor Åge Halvorsen, Nord Pool Spot


Memo Missing Values
20121016.doc

Attachment: se item 7, tWG

1 Approval of agenda

The agenda was approved with the following additions:

- Exchange of bids for LFC in QUOTES (now called FRR-A), see 14.1 under AOB

2 Approval of previous meeting minutes

The minutes from previous meeting were approved with some minor textual corrections.

3 Resolve matters arisen from NEG meeting, October 4th in Oslo

Jon-Egil gave a status report for the NEMM work.

- The following tasks are mainly what is left in the project:
 - New MRs for ENTSO-E for the «Nordic Trading System» and the «Nordic Settlement System»
 - Follow up on MRs related to the Nordic scheduling and ancillary services.
 - Finalising the BRS for Nordic Settlement System, however dependent on NBS.

Decisions:

- After having finalised the MRs the BRS for the Nordic Settlement System, the project will be closed and maintenance taken over by NEG.

4 NBS and BRS for Nordic settlement system

We have in the BRS identified some changes to existing ebIX[®] documents and some new ebIX[®] documents that are required to fulfil the NBS requirements, i.e.:

- Missing documents:
 - Load Profile Share (LPS) per MGA & RE / BRP from DSO to Imbalance Settlement Responsible
 - Load Profile Share (LPS) per MGA & BRP from Imbalance Settlement Responsible to Balance Responsible Party
 - Load Profile Share (LPS) per MGA & BS from Imbalance Settlement Responsible to Balance Supplier
- Addition of a Balance Supplier ID in
 - ebIX[®] Aggregated Data per MGA for Settlement Responsible (E31, E44) for consumption and production
 - ebIX[®] Aggregated RE/BRP reconciled energy per MGA on consumption (E31, E44)
- And possibly some changes and/or new documents for the Reconciliation process

Ove had sent a mail to NBS, asking for an estimate for when these changes can be discussed in NEMM and ebIX[®]. There is an ebIX[®] forum meeting the week thereafter (Tuesday and Wednesday October 23rd and 24th) where it really would be good to be able to decide on when the ebIX[®] Metered Data Project (EMD) could earliest meet to discuss NBS requirements.

Pasi had sent the following information:

What comes to the LPS and reconciliation; so far we don't have any input for your group. Only I know that SvK will discuss LPS and reconciliation issues with their regulator this week 42.

This means that the only change request for the time being is the addition of a Balance Supplier ID in the ebIX[®] Aggregated Data documents. Jan and Ove will bring the request for change to the Aggregated Data documents and a question on how to solve new requirements for LPS and the reconciliation process, when these are ready from NBS, to the ebIX[®] Forum and ETC meetings next week.

Homework:

- Jan and Ove will bring the request for change to the Aggregated Data documents and a question on how to solve new requirements for LPS and the reconciliation process, when these are ready from NBS, to the ebIX[®] Forum and ETC meetings next week.

Jon-Egil and Ole had as homework from previous meeting to find a status from Norway and Demark related to participation in EMD. Morten Torgalsbøen was proposed from Norway and Preben Høj Larsen is suggested from Denmark (however dependent on work load in the Danish DataHUB project). Sweden has elected Lars Munter as member.

Since NBS hasn't come up with any comments or change proposals to the BRS, there was nothing to update.

A proposal for identification scheme (GS1, EIC, ...) to be used for *Parties, Metering Grid Areas, Resource Objects* etc. was made.

5 Maintenance requests to ENTSO-E

The BRS for the Nordic Trading System was gone through with the following comments:

- NEMM Currency Exchange Rate Document:
 - Jon-Egil will inform ENTSO-E/WG-EDI about the NEMM work with a “NEMM Currency Exchange Rate Document”, asking for interest for making an “ENTSO-E Currency Exchange Rate Document”
 - Jon-Egil will also ask how to handle Nordic codes if ENTSO-E not will make an “ENTSO-E Currency Exchange Rate Document”, i.e.

Document Type	Z07	Rate of exchange document
Receiver Role	Z05	Trader (Used for non-balance responsible traders)
Reason code	Z18	Preliminary exchange rate (The exchange rate is preliminary and will be updated when an official rate of exchange is available)
	Z19	Official exchange rate (The rate of exchange is the official rate of exchange)

- NEMM Spot Bid Document:
 - Jon-Egil informed that ENTSO-E NOT will make an IG for the NEMM Spot Bid Document.
 - The document will be kept as it is and when used, used with the Nordic Znn codes specified in the BRS.
- NEMM Area Specification Document:
 - Jon-Egil will inform ENTSO-E/WG-EDI about the NEMM work with a “NEMM Area Specification Document”, asking for interest for making an “ENTSO-E Area Specification Document”
 - MRs has been sent for missing Asset Type and Process Type codes.
 - Message Type codes will be kept as Nordic codes:

Z05	Area specification document	The document is used to specify physical area boundary connections.
Z06	Market connection points document	A document specifying connection point and related area where the connection point belongs.

- ECAN Auction Specification Document:
 - The only auction specification document specified by ENTSO-E is part of the ECAN IG. However the one we need in the Nordic countries is related to ERRP.
 - Jon-Egil will ask ENTSO-E/ERRP project if an “ERRP Auction Specification Document” can be made.
- ERRP Reserve Bid Document
 - LFC is no called FRR-A. However nobody knew the definition of FRR-A and Jon-Egil volunteered to find out.
- All documents:

- Ove will, after having the definition from Jon-Egil, change LFC to FRR-A market (Processes related to the Frequency Restoration Reserve market (Secondary reserves market))

Continued homework from previous meetings:

- Antti will submit a request for EIC code for the Nord Pool spot market area
- Follow-up on submitted MRs related to BRS for Scheduling and Ancillary Services Process
- Do we need a MR for the Outage document?
- MRs needed related to BRS for Nordic Trading System

Homework:

- Jon-Egil will present the “NEMM Currency Exchange Rate Document” at the next ENTSO-E meeting, asking if ENTSO-E will make an “ENTSO-E Currency Exchange Rate Document”. Jon-Egil will also ask how to handle Nordic codes if ENTSO-E not will make an “ENTSO-E Currency Exchange Rate Document”.
- Jon-Egil will inform ENTSO-E/WG-EDI about the NEMM work with a “NEMM Area Specification Document”, asking for interest for making an “ENTSO-E Area Specification Document”.
- Jon-Egil find the definition of FRR-A and see if we can replace LFC with it in the BRS for trading system.
- Ove will make draft MRs related to BRS for Nordic Trading System

6 Status for implementation verification

Jan will continue his homework to see if the documents specified by NEMM will fit the information exchanged as EDIFACT document in Sweden today.

Jon-Egil mentioned that the document exchanges related to Skagerrak-4, which is planned in production end of 2014, probably will use the NEMM documents.

7 tWG

Ove had as homework from previous meeting made a draft note explaining the topic of “missing values”. The document was reviewed and updated. The document is attached.

Homework:

- Ove will send the document to Fedder for discussion in tWG.

8 Status for ENTSO-E ERRP WG

Jon-Egil informed that there is one scheduled meeting left.

9 Status and information from "EMFIP"

Jon-Egil informed that the EMFIP project is delayed. The original plan was to start test this spring, but the TSOs are still awaiting specification of the documents to be exchanged. It is still discussed how the information shall be sent, directly from the TSOs, via NOIS, via Nord Pool Spot or a mix.

10 Status CIM XML

Jon-Egil informed that IEC is working with version 16 of a CIM XML profile for document exchanges for the SCADA systems.

The results of the interoperability tests for the CIM market extension are now available, from the tests run this summer.

11 Meteorological information

Jon-Egil informed that there was a short discussion in ENTSO-E/WG-EDI on the latest meeting October 10th and 11th. The discussion was based on a proposal from ENTSO-G and a common way of exchanging meteorological information. However no conclusion was made, but the item will be continued within ENTSO-E.

Jan had sent a mail to Fedder in front of the ENTSO-E meeting 10-11th of October:

This is where we can first present the idea that:

- Do not make “another standard”, is there already a weather standard, let us use it. Such a standard should be made, maintained and in use by the weather institutions and also possible to be used by any “customer”, not only in our business.
- If needed a special “electricity power industry header” may be put above the “payload” to be able to route the information the same way as information sent within our industry. But as I see it, such a header should not be mandatory to be used.
- As a result of the meeting the 10-11th of October there might then be a request sent from Entso-e to the national weather institutes to make such a standard, and a possibility for the TSO:s – as well as companies from other industries – to act as “speaking partner” (eller vad nu bollplank blir på engelska) / “requirement specifier” (eller vad nu kravställare heter på engelska).

Such a process will take time, and specifically if all European weather institutes must come together and define a standard not yet defined or at least not yet in use.

So the other suggestion is to make a common Nordic standard in cooperation between interested partners – at least MET, Statnett, SMHI and Svenska Kraftnät, but the other Nordic weather institutes and TSOs should of course be invited to join such a cooperation.

Depending on the result at the meeting the 10-11th of October we can at the Nordic meeting the 15-16th of October decide how we would like to proceed.

The item will be continued at the next NEMM meeting.

12 Information (if any)

NEG has sent a proposal for a project plan for detailed specification of documents to be exchanged in a common Nordic end user market. The project is asked for by NordREG and the project plan has been sent to MSG (Market Steering Group). If approved; the project will be run as separate NEG project.

Jon-Egil informed that MADES expect to have a client ready by summer next year (2013). I.e. MADES is getting a good candidate for data exchange for NBS and a common Nordic end user market.

13 Next meeting

- Tuesday and Wednesday December 18th and 19th, 2012, in Oslo

14 AOB

14.1 Exchange of bids for LFC in QUOTES (now called FRR-A)

Jan had sent some questions related to updates of the QUOTES IG:

- What code should be used in Functional Area? (UNH segment)

Conclusion:

- The new code “A” (FRR-A Market - Frequency Restoration Reserve) was added to the UNH segment
- Should it be a special code in Message Name? (BGM-segment) Or can we use 310.

Conclusion:

- The existing code “310” (Offer/quotation) should be used
- Is there already a product code possible to use?

Conclusion:

- The following Norwegian codes were proposed:

1285 Secondary reserves, up regulation

1286 Secondary reserves, down regulation

The QUOTES IG was updated and will be sent on circulation for comments to NEG after verification by Jan.

During this item it was noted that the names of the markets has been changed, e.g.:

FNR should be renamed **FCR-N**

FDR should be renamed **FCR-D**

Also “**Figure 1: Continental Europe and Nordic operational schedules differences**” in the BRS for schedules need update.

Homework:

- Jon-Egil will find information of the new naming convention for the markets.

- **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 “nilP”.

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

VENUE, ACCOMMODATION AND TRANSPORT

The next meeting will take place Monday and Tuesday, October 15th and 16th, 2012 in the SvK offices in Stockholm (Sundbyberg).

Please confirm your participation to Jan (Jan.Owe@svk.se) with a copy to Ove as soon as possible.

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