


Minutes Nordic TSO XML format meeting Date: June, Tuesday 16 th and Wednesday 17 th Time: 9:30-17:00 (18:00?) and 9:00 – 16:00 Place: SvK, Sundbyberg (Stockholm)	 Nordiel Nordic Ediel Group
August 21 st , 2009	

Participants: Christian Odgaard, Energinet.dk
Jan Owe, SvK
Mikael Kristensen, Energinet.dk
Ove Nesvik, EdiSys (Secretary)

To: Participants
Antti Niemi, Nord Pool Spot
Christian Hoang Huy Le, Statnett
Heli Anttila, Fingrid
Jari Hirvonen, Fingrid
Jon-Egil Nordvik (Convenor)
Roar Grindstrand, Statnett
Willem Karel D van der Meijden, Energinet.dk

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

Attachment: Presentation from Jan related to item 7, Agree on how to identify schedules



Microsoft Office
PowerPoint 97-2003 I

1 Approval of agenda

The agenda was approved with the following additions/comments:

- *Review of acknowledgement document*, see 10.1 under AOB

2 Approval of previous meeting minutes

The minutes from the previous minutes was approved with the comments that Willem will participate in ETSO/TF-EDI (soon ENTSO-E) and the **ECAN** project group – NOT the **ERRP** project group.

3 Status for publication of the Determine transfer capacity process

Christian and Ove had made a proposal for update of www.ediel.org. The update was reviewed and the following comments made:

- (4) The proposal for deletion of the *mail list* on the front page was withdrawn, under the condition that the service is available.
- (5) The NEG *Terms of Reference* should replace the current text related *Ediel Nordic Forum*.
- (9) Minutes from the *Nordic TSO XML project* and the *NEG meetings* will be put on the web site.
- (12) Update link to ebIX-dk → www.ediel.dk.

See updated document in Appendix C, www.ediel.org.

4 Review of Nordic TSO common rules and recommendation document

It was agreed to continue using Znn codes for codes issued by the Nordic TSOs.

The following *Business type* codes have so far been defined in the project (renamed Tnn and Nnn codes):

Z01	Total Transfer Capacity (TTC)
Z02	Maximum production capacity
Z03	Minimum production capacity

The maintenance of the Nordic code lists were moved to the Nordic TSO CC library. It was also agreed to publish the codes as word tables instead of UML enumerations, since it is possible to search for codes in a Word table.

Roar had stressed the need for coming up with an envelope specification and especially if *Test flag*, *Request for acknowledgement* and *Routing information* (application, department) should be a part of the envelope.

Homework:

- All will review Appendix B (Interchange agreement) of the *Common Nordic XML rules and recommendations* and verify if there still is a need for this appendix.
- Ove will:
 - Rename *Common rules and recommendations* to *Common Nordic XML rules and recommendations* throughout the document.
 - Make Word tables for the relevant code lists.

5 Other technical questions

- Status for addition of a quantity quality or status to the CCTS Quantity data type
 - ➔ Ove had, on behalf of the Nordic Ediel Group, asked if the ebIX, ETSO and EFET Harmonisation Group (HG) had 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 “nil”.

There was no answer on how to implement *nillable*. This is a general question/problem, not only related to quantities (also to 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 HG meeting.

Conclusion: A status will be added as one (two?) separate elements.

- Status for change request to UN/CEFACT asking for creation of a new code list agency “330 Ediel” and rename the existing 260 to ebIX
 - ➔ To be done
- QDTs for codes and identifiers, using Ediel as qualifier term
 - ➔ Ove has added these to the Nordic CC Library. This was reviewed and some errors found will be corrected.

Under this item the question if we want separate code lists for separate code list responsible agencies, i.e. if we should use *union* in XML to merge the two code lists, or if we should make special Ediel code lists for the needed codes. An argument to maintain “joined” Ediel codes is that these code lists can be restricted to only containing the codes needed in the Nordic countries.

- Appendix A, To be discussed and agreed:
 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.
- ➔ Willem had sent a mail stating that he is in favour of changing this in NOIS, either (prioritized):
 - 1) 1 message with both capacities and reason codes (with reason codes optional, because not all corridors have reason codes)
 - 2) 2 messages, but with no dummy values.
- ➔ **Conclusion:** We will use principle 1) above.

Homework:

- All will:
 - Think about how to maintain code lists, i.e. if we shall have separate code lists for separate code list responsible agencies (*union* in XML) or if we should make special Ediel code lists for the needed codes.
- Ove will:
 - Go through the QDTs and add a *code list responsible agency* and a *code list*

6 Scheduling process

Jon-Egil had sent some questions to the document, which were answered:

- Where do we find consumption prognoses (Hvor kommer forbruksprognoser inn)?
Answer: As a part of the normal *Market schedule* or calculated by the *System Operator*.
- 13.3 (1 and 3) and chapter 13.4: "Global position" is not used in general?
Answer:
 - Chapter 13.3 reviewed and partly changed (see below). Chapter 13.4, global position was removed.
 - In addition the Energy flow direction chapter was reviewed and will be moved to common rules and rec.
- 13.3, 12. How about pumping plants?
Answer: Handled by the rewritten rule (removed netted).

6.1 BRS (Business Requirements Specification)

The homework from previous meeting was reviewed and commented:

- Jon-Egil will verify if the *International system operator* participates in the *UseCase Exchange market schedules*.
 - ➔ Jon-Egil had verified and informed that from a Norwegian point of view the *International system operator* does not participate in the *UseCase Exchange market schedules*. However Christian meant that the *Consumption prognosis* sent to NOIS should be seen as a *Market schedule*. For the time being we follow Jon-Egil's view, but the question will be re-raised when we come to the details of the messages to be exchanged.
- Mikael will verify if *Recourse provider* is needed in the Nordic scheduling process
 - ➔ For the time being we see no need for the *Recourse provider* in the Nordic scheduling process.
- Ove will update the BRS

- Done
- Jon-Egil will verify if the scheduling sequence diagram covers all message flows required by the NOIS SOW document.
 - Jon-Egil informed that the messages are covered.
- Denmark, Finland and Norway will verify if *Ancillary services schedules* are sent from the *System operator* to the *Imbalance settlement responsible*.
 - Jon-Egil informed that the *Ancillary services schedules* not are sent to the *Imbalance settlement responsible* in Norway. This seems also to be the case in the rest of the Nordic countries.
- Finland and Sweden will verify if they are using the Nominate capacity process.
 - Jan informed that Sweden not is using the Nominate capacity process.
- Sweden will verify the updated matching process.
 - Will be handled under the review of the document
- Ove will make a separate CC document, containing descriptions of all attributes, except the dependencies, which must be maintain together with the class diagrams for the actual messages.
 - Done
- Ove will make class diagrams for the rest of the messages and dependency proposals.
 - Done (except for the dependencies)

Other questions raised:

- On the previous meeting the following was agreed:
 - We need the *Market operator* as an actor in the *Exchange market schedule* process, since the *Market operator* is sending the actual trade in the Spot- and Elbas-markets.
 - Added to sequence diagram and the Activity diagram for Exchange market schedules.
 - Bilateral trade is sent directly from the *Balance responsible parties* to the *System operators* in all the Nordic countries.
 - This was seen as an error, i.e. in Norway and Finland the bilateral trade is sent to the *Imbalance settlement responsible*.

Changes to the document:

- Text related to *Global position* was removed from chapter 13.3, 1st numbered item. The item was rephrased to “*The last valid schedule document received before cut-off time is the valid schedule*”.
- The text in chapter 13.3, 3rd numbered item caused a discussion:
 - In Denmark all previously sent schedules must be resent if changes are made to one or more of the schedules. If a schedule is omitted in a retransmission the omitted schedule is deleted. How is this done in the rest of the Nordic countries?
- The text in chapter 13.3, 9th numbered item (The resolution of a time series period shall always be expressed in minutes) was removed.
- The text in chapter 13.3, 11th (previous 12th) numbered item “*Negative quantities for a time series are only permitted for certain categories of netted time series*”. Was rephrased to “*Negative quantities for a time series are only permitted for certain categories of ~~netted~~ time series*”
- The text in chapter 13.3, 14th (previous 15th) numbered item “*The quantity for an allocated capacity schedule is always given in maximum power units, i.e. MW (code MAW)*” was removed.

A table showing the different *Market schedule documents* was made, including characteristics for each document.

- The *Market schedule* to the *Imbalance settlement responsible* is only used by Finland and Norway and will be deployed on next the meeting.

Description	Header Document Type	Sender role	Receiver role	Process Type	Domain	Classification type	Business Type
Balance responsible schedule to SO	A01 (Balance responsible schedule)	DDK/A08 (BRP) (Note: NordPool is seen as a BRP)	DDX/A05 (SO)	A17 (Schedule day)	Market balance area (Elspot area)	A01 Detail type A02 Summary type	A01 Production (DK: Non adjustable) Z01 (DK: Adjustable production) A04 Consumption (DK: Non adjustable) Z04 (DK: Adjustable consumption) A06 External trade A08 Internal trade

Homework:

- Finland, Norway and Sweden should find out which rules that apply to resending of schedules, i.e. must all previously sent schedules be resent if changes to only on schedule?
- All should verify the rule: “A time series shall be suppressed by zeroing out all the time interval class quantities in the time series”.
- Finland and Norway should verify if the *Market schedule* sent from the *Balance responsible party* to *Imbalance settlement responsible* really is a part of the *Scheduling process* (or if it is a part of the *Trade process*).
- It was proposed to remove *Classification type* from the *Market schedule document* – To be decided on next meeting
- What to do with the *Matching period start/end* will also be decided n next meeting, i.e. if we should add dependency rules or remove the elements.
- Since *Capacity agreement Identification* and *Capacity contract type* only is used together with Business type A03 External trade explicit capacity, and there not are any explicit capacity in the Nordic countries, these fields where proposed removed – To be decided on next meeting.
- Should we use UN/CEFACT or ETSO *Role codes*?
- All tries to fill in the messages sent and received today in the table structure shown above. Fill in the description, sender and receiver role and as many other characteristics as possible.

6.2 RSM (Requirements Specification Mapping) (if time)

The item was postponed, due to lack of time.

6.3 XML schemas (if time)

The item was postponed, due to lack of time.

7 Agree on how to identify schedules

The item was postponed, due to lack of time.

8 Detailing of the communication rules (if time)

The item was postponed, due to lack of time.

9 Next meeting

- September, Tuesday 8th and Wednesday 9th, Oslo (EdiSys)

10 AOB

10.1 Review of acknowledgement document

Postponed to next meeting

Appendix A TO BE DISCUSSED AND AGREED

1. Should the new principles for time series identification in Sweden influence this project?
2. The Process area *Nominate capacity* (opposite to a schedule the nominations are referencing a contract) is suggested to be define in a separate document for the complete nomination process. A proposal for this new project activity will be forwarded to the next NEG SC.

Concluded items:

1. Today Reason codes are sent in a separate time series to NOIS. The related quantities must always have a dummy value, but the value will be ignored by NOIS. The documents from the Nordic TSO XML project will however use 1 time series with both capacities and reason codes (with reason codes optional, because not all corridors have reason codes).

Appendix B EXTRACT OF THE OVERALL PROJECT PLAN

Phase 2 (spring 2009), Scheduling process covered by the ESS and ERRP documents from ETSO

- operational and financial
- balancing and reserves
- In addition phase 2 will include:
 - A document containing common rules and recommendations, *including* detailing of the communication appendix in the BRS for *Transfer Capacity*
 - 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 (autumn 2009), Bid process,

- Bid to the Balance regulation market
- Activation messages
- Bid process to the Spot market (dependent on NordPool)

Phase 4 (spring 2010), Settlement process

- Metered data
- Settlement result, including prices

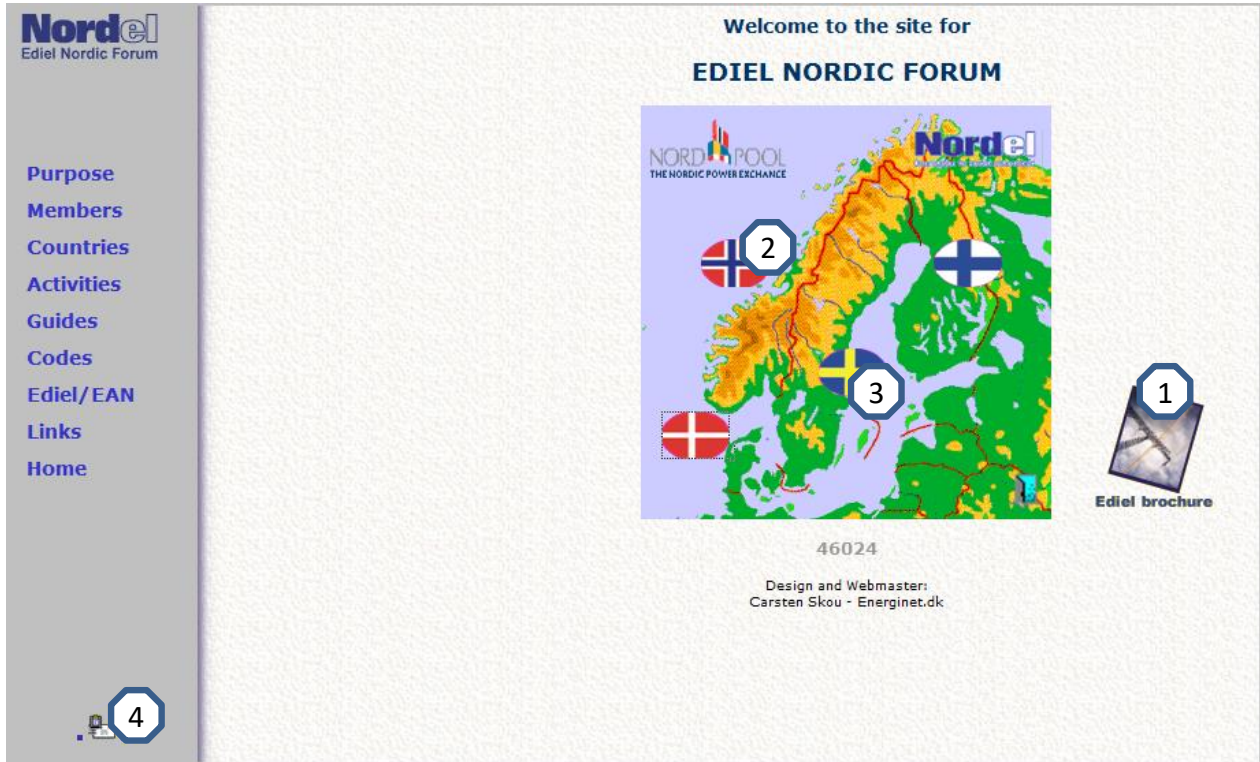
Phase 5 (autumn 2010), Prices and other Nord Pool messages (dependent on Nord Pool)

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 and a RSM (including related XML schemas) will be made for the relevant business process. The project group may chose to combine two or more business processes into one BRS and/or RSM, if this seems suitable.

Activity	Spring 2009	Autumn 2009	Spring 2010	Autumn 2010
Phase 2, Scheduling process				
Phase 3, Bid process				
Phase 4, Settlement process				
Phase 5, Prices and other Nord Pool messages				

Appendix C WWW.EDIEL.ORG



- 1) The Ediel brochure is a bit old (made about 2000) – *Propose to be deleted*
- 2) The Norwegian subpage is outdated - *Propose to make a direct link to www.ediel.no*
- 3) The Swedish subpage is outdated - *Propose to make a direct link to www.ediel.se*
- 4) Keep the mail list used to give up a mail list for receiving of Ediel information if this is operational.



- 5) The *Terms of Reference* for the *Nordic Ediel Group* should be provided from the NEG SC.

In addition the link to *Articles for Ediel Nordic Forum* should be removed and the link to board members should be updated (see below)

- 6) *Proposal for new text:*

Members of Nord Ediel Group		
Name	Company	e-mail
Christian Odgaard	Energinet.dk	cco@energinet.dk
Heli Anttila	Fingrid	heli.anttila@fingrid.fi
Willem Karel D van der Meijden	Energinet.dk	wme@energinet.dk
Oscar Ludwigs	SvK	Oscar.Ludwigs@svk.se
Tor Bjarne Heiberg	Statnett	tor.heiberg@statnett.no
Tor Åge Halvorsen	NordPool ASA	tor.halvorsen@nordpool.com



- 7) **Propose to delete the countries page**, since most of the information are available on the front page.
 - 8) **Propose to delete the activities page**, since the information is completely outdated.
 - 9) The Guides page seems still mainly valid. **I propose the following actions:**
 - Remove the section: *Ediel model for Change of Supplier- This is outdated!*
 - The minutes from the *Nordic TSO XML project* and the *NEG meetings* should be published on the web site.
 - 10) **Propose to delete the codes page**, since the information not is up-to-date and the information is available in other documents.
 - 11) Under the *Ediel/EAN* page I would propose:
 - Keep the *About the project* section (as historic information)
 - Keep only the *Business scenarios* under *Downloads*
- Remove the *Contacts & links* section
 - Keep the *Links to EAN* section

12) The following links on the *Links* page must be corrected:

- NVE-LINK -> www.nve.no
- Add www.ediel.no under Norway
- Add www.ediel.se under Sweden
- Remove [UN Trade Facilitation Information Exchange - Trafrix](#)
- Update link from ebIX-dk → www.ediel.dk

13) Home is OK

Proposal for text for a new page:

Nordic TSO XML Project

The scope of the Nordic TSO XML project is defining common *Business Requirement Specifications (BRS)* and common (*RSM*), as outlined by UN/CEFACT, for the common message exchanges between the Nordic TSOs and Nord Pool Spot:

- A BRS will describe the *Business Requirement View* of a business process model based on the UN/CEFACT Modelling Methodology (UMM).
- A RSM will describe the technical parts of the UMM model, i.e. the *UMM Business Choreography View* and the *Business Information View*, and the related XML schemas.

The justification for the project is today's message exchange between the Nordic TSOs, which is based on several different formats/standards, such as Ediel (DELFOR/MSCONS), NOIS XML messages based on ETSO IGs and Excel documents. In addition the Nordic TSOs have communications towards other European countries,

such as Germany, the Netherlands and Poland, using even more standards, such as NorNed xml and ETSO standards.

The goal is to define common principles for all message exchanges, based on ETSO implementation guides as far as suitable processes have been defined. In addition the present implementations and documentation from ebIX and Ediel will be taken into account.

In addition *common rules and recommendations* and a common *Domain model* for the Nordic market will be made.

Business Requirement Specifications will be published as **a**-Word or PDF documents, while the *Requirements Specification Mappings* are planned published as a UMM model in HTML format and XML schemas.

Phase 1 of the Nordic TSO XML project was started in February 2008 and a first version of a BRS and a RSM for the *Determine transfer capacity process* and the *Acknowledgement process* to be exchanged between the Nordic TSOs, including are now available:

Downloads:

- BRS (Business Requirement Specification) for the Nordic TSO Determine transfer capacity model, v1r0A
- Nordic TSO Determine transfer capacity model.html, v1r0A
- Nordic TSO XML schemas.zip, v1r0A