

Minutes: NEG Technical Committee Date: Wednesday February 17 th , 2016 Time: 09:00 – 16:00 Place: Arlanda February 18 th , 2016	 NEG Nordic Ediel Group
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Present: Jan Owe, Svenska kraftnät
Jari Hirvonen, Fingrid
Jon-Egil Nordvik, Statnett (Convenor)
Mats Elmér, Svenska kraftnät
Ole Fredsø Weigelt, Energinet.dk
Ove Nesvik, Edisys (Secretary)

To (NTC): Antti Niemi, Nord Pool Spot
Christian Odgaard, Energinet.dk
Eveliina Ishii, Nord Pool Spot
Hanna Blomfelt, Nord Pool Spot
Jan Owe, Svenska kraftnät
Jari Hirvonen, Fingrid
Jon-Egil Nordvik, Statnett (Convenor)
Kim Dahl, Statnett
Marja Eronen, Nord Pool Spot
Minna Arffman, Fingrid
Ole Fredsø Weigelt, Energinet.dk
Ove Nesvik, Edisys (Secretary)

(NBS): Mats Elmér, Svenska kraftnät
Minnakaisa Ahonen, eSett
Morten Hilger, Energinet.dk
Morten Torgalsbøen, Statnett
Niko Jauhiainen, eSett
Pasi Lintunen, Fingrid
Tuomas Lahti, eSett

CC: Anne Stine Hop, Statnett
Oscar Ludwigs, Svenska kraftnät
Tor Bjarne Heiberg, Statnett
Tor Åge Halvorsen, NordPool

Appendixes: 0,

“To remember list”

Appendix B, Overview of information exchange for the NBS metering and settlement phase
Appendix C, Mail exchange between Eveliina and Ove

Attachment:

--- Combined NBS and Ordinary NTC---

1 Approval of agenda

The agenda was approved with the following additions:

- Resolve matters from NEG meeting February 4th, see 24.1 under AOB
- Conversion between ebIX® and ENTSO-E XML schemas, see item 12

2 Approval of previous meeting minutes

The minutes from face-to-face meeting January 12th and the Skype meeting January 22nd, were approved with the comment that the text “Agenda” in the minutes from January 22nd should be renamed to “Minutes”.

3 Status for documents on circulation for comments

There has not been any comments to the documents that have been on circulation for comments where the deadline is exceeded, hence all have been published.

The NBS BRS for NPS/TSO communication has a deadline for comments today. There has been one comment to rename “Trader” to “Retailer”.

4 Deletion of regulations and aggregates to eSett

At the previous face-to-face NTC meeting we concluded *“All regulations for a period must be sent in an update message and that the latest received message always is the valid”*.

There is however a problem when a regulation is deleted. In the current Basse system a missing regulation in an update-document will not be deleted.

Possible alternatives were discussed:

- Manually delete the relevant MEC (Market Entity Connection) - however, this is only possible if deletion of a regulation is a rare event
- Make a change request to Unicorn, but this might be costly and very late in the process:
 1. As stated in the latest BRS (not published), the last update-document received will replace previous regulations and missing regulations will be deleted
 2. Send the deleted regulation with a zero-value
 3. Create a “delete function” – i.e. a way of electronically deleting a regulation. However, this is not used anywhere (TSOs) and not a preferred option

Currently the following text is stated in the BRS (the last sentence will be verified by Mats before publication):

Business rules:

- All valid regulations for a period and Process Type (primary, secondary or tertiary regulations) must be sent in one document.
- If updates are sent, all valid regulations for the relevant period must be sent in the update-document (i.e. all still valid time series from the predecessor). An update-document shall always cover the same period as its predecessor. The latest received message will always replace the previous one. *All regulations not part of the latest update-document shall be deleted.*

Action:

- Mats will verify with Unicorn how to handle deletion of regulations before Ove publishes the document

5 NEG Common XML rules and recommendations

Mats had as action (homework) from previous meeting investigated if there is a problem that we cannot send ENTSO-E documents without a quantity in a given position. I.e. if there is a need to withdraw an earlier sent quantity without sending a zero.

Mats has not found any need to withdraw an earlier sent quantity without sending a zero, with the exception of the “deletion of regulations”, see item 4 above.

The item was closed.

6 Update of PRODAT, need of “värmevärdesområde”

It was agreed adding a code in RFF next to “nätområde”, i.e.:

- 207** Calorific Value Area: A Calorific Value Area is a predefined set of Metering points for which the same established calorific value is applied.

Action:

- Ove will verify that **207** not is used in RFF in any other IGs and thereafter update the PRODAT IG, and send on circulation for comments for 14 days.

7 Status for NBS XML schemas

The latest agreed XML schemas have been published. And there are no known issues.

8 Status for NBS BRS (and related UserGuide)

8.1 Questions to be answered when the secondary legislation in Sweden is approved:

- Should we remove the “red arrows” from “Overview of information exchange for the NBS metering and settlement phase”, see **Appendix B**
- In chapter 5.7.2.1 we say:
Finland will send ESS Schedule Time Series in UTC+2, while the Nordic balance settlement will be done in UTC+1, i.e. the settlement will be based on ESS Schedule Time Series for two different days (the first hour of a “balancing day” will be sent the day before the last 23 hours of the “balancing day”).

Should this be rewritten according to chapter 2.3 in the NBS handbook?

The settlement structure management (e.g. retailer balance responsibility) will be complied with national legislations. In Finland the settlement structures will be managed in Eastern European Time (EET)/Eastern European Summer Time (EEST) and in Sweden the settlement structures will most likely be managed in Swedish Normal Time (pending final approval of the secondary law, final approval is expected before the end of 2015). In Norway there will be no changes compared to the current situation.

Since the secondary legislation in Sweden still not is approved, the questions were postponed.

The latest version was published February 1st and there are no known issues, except for the questions above.

9 Status for NBS BRS for TSO/NPS communication

9.1 Questions to be answered when the secondary legislation in Sweden is approved:

- Should we remove the “red arrows” from “Overview of information exchange for the NBS metering and settlement phase”, see **Appendix B**

Since the secondary legislation in Sweden still not is approved, the questions were postponed.

9.2 Actions (homework) from previous GoToMeeting:

Mats had verified the following changes

- Verify if flows always will be reported with positive values. For each connection, flows will be reported as two time series, one for each direction. Positive values for flow from Out Area to In Area and zero in the corresponding position in the other time series
- Verify if the changes to ENTSO-E ESS Schedule document, Elspot/Elbas trade is OK, i.e.:
 - Removal of “Portfolio ID”
 - Addition of Subject Party in the header level (currently not used)
 - Addition of Trader (optional) in the In Party.
 - Removal of Out Area (same as In area)
 - Removal of Out Party (Market Operator)
 - This gives the restriction that NPS must send one document for each BRP.
- Verify if arrow 7 to 10 in the sequence diagram in chapter 2.3 are valid

And, Ove had sent the document on circulation for comments to NTC and NEG with a deadline February 17th. However, there is one issue left, handled under item 4 above.

Action:

- Ove will publish the document when the issue regarding “deletion of regulations” (see item 4) has been solved by Mats

10 BRS for Master Data Documents (and related UserGuide)

An arrow and related table entry was added for the Party Relation Master Data Document to “**Figure 4:** Sequence diagram: The NBS Master Data exchange phase”. The updated document will not be published for the time being.

The item was closed.

11 Change request to HG

ETC ask NTC to fill in a change request to the ebIX®, EFET and ENTSO-E Harmonisation Group (HG), to change the name from “Block Energy Trader” to “Trader”, add an association from the Trader to the BRP named “Is contracted with” and simplify the definition to:

A party that is selling or buying energy

Action:

- Ove will make a HG change request common for the Trader and the new roles needed for the Nordic data hubs, see item 24.1
 - Ove will coordinate with Christian/Fedder in Denmark
 - Jari will send possible candidates for new roles if found in the Finnish data hub project
 - Include new roles and domains from the [Swedish role model](#)

12 Status publication of Acknowledgement UG

An updated User guide (UG) was distributed to NTC core members December 12th and sent on circulation for comments to NTC/NEG/NBS January 15th.

The latest UG was published February 1st.

Under this item Jan brought up the question: “Why do we have the Receiver role as required [1], when it in the ENTSO-E IG is optional [0..1]? The question is based on a question from Unicorn, who wanted rules for what role to use if missing from the received document. And, Mats presented the following table from Unicorn (answers in green):

ebIX® document	ebIX® Energy Business Process Role Code (from original ebIX® document)	Sender role in ENTSO-E ACK Document	Receiver role in ENTSO-E Acknowledgement Document
Consumption NEG (ebIX® based) Aggregated Data per MGA (E31, E44)	What attributes shall be used to convert to ENTSO-E role?	A05 (Imbalance settlement responsible)	Always A09 Metered data aggregator (DSO) OR A04 System Operator (TSO)
MGA Exchange NEG (ebIX® based) Aggregated Data Per Neighbouring Grid For Settlement Responsible (E31, E44)	What attributes shall be used to convert to ENTSO-E role? Can we rely on the document type? Yes	A05 (Imbalance settlement responsible)	A09 Metered data aggregator (DSO)

<p>Production</p> <p>Validated Data for Settlement for Aggregator, Production (E66, E44)</p>	<p>What attributes shall be used to convert to ENTSO-E role? Can we rely on the document type? Yes</p>	<p>A05 (Imbalance settlement responsible)</p> <p>A09 Metered data aggregator</p>	<p>A09 Metered data aggregator (DSO)</p> <p>A25 Metered data responsible</p>
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Conclusion:

- The cardinality of the Receiver role was changed to optional [0..1]

Action:

- Ove will send the UG and Common rules and recommendation on circulation for comments to NEG for 14 days before publication

13 Status for NPS implementation of NEG Documents

No news

14 Review of BRS for schedules

Due to lack of time the item was postponed

15 Review of comments to BRS for Nordic Trading System

A review of the BRS was started, but not finished due to Lack of time. The working document can be downloaded from:

<https://www.dropbox.com/sh/hrp2wn85e98mwb3/AADsJkoqijyvORu2CCQm75q7a?dl=0>

16 Usage of Resolution and Position

The following rules was added to the NEG common rules and recommendations document:

Usage of Resolution and Position

The resolution of a time series period shall always be expressed according to ISO 8601, e.g. **PT1H** or **PT60M**.

The time interval defined in the period class shall always be a multiple of its resolution.

The position must begin with 1 and increment by 1 for each subsequent position forming a series of contiguous numbers covering the complete range of the Period, unless other ways stated in a BRS.

Note: The rules in the ENTSO-E ESS IG is that the “resolution of a time series period shall always be expressed in minutes”, while Nordic implementations of ESS allow for other resolutions, such as **PT1H** or **PT1D**”.

The item was closed.

Action:

- Ove will send the document on circulation for comments together with the changes agreed above

17 Status for MRs to ENTSO-E

Noting new

18 Status for implementation of MADES

Continued actions (homework) from earlier meetings:

- Jon-Egil and Ove will draft a request to the NBS project, asking for implementation of the MADES SOAP header in all NBS exchanges, including the arguments for doing this. The request will be sent NTC for comments, or latest at the next NTC meeting.

The document was reviewed and generalised, i.e. to fit also other Nordic actors.

Action:

- Jon-Egil will send the document to Elhub and NPS
- Mats will send the document to eSett
- Jan will send the document to the Swedish data hub project
- Jari will send the document to the Finnish data hub project
- Ole will send the document to the Danish Datahub
- Ove will send the document to the Norwegian representative in NRMG

19 Review of BRS for Determine Transfer Capacity

Update of the document is postponed until it is time to document new processes. Test is planned summer/autumn 2016. The documents will be based on CIM documents

20 ENTSO-E IEC/CIM schemas

Ove had as continued actions (homework) from earlier meetings moved the mapping table from the Schedule BRS to a separate document for CIM mapping and make mappings for three documents. The document will be published as examples of mapping.

It was noted that when we come to CIM documents that are missing elements required in the Nordic countries, these will be added as Nordic extensions.

Action:

- Ove will send the document on circulation for comments together with the changes agreed above

21 Review of www.ediel.org

The redirect from http to https is now working for www.ediel.org

It was agreed to remove old versions of the NEG Determine transfer capacity model.

The Primary Reserves Market Trade Schemas was kept.

22 Information (if any)

No information

23 Next meeting

Wednesday March 30th 2016 in Oslo.

24 AOB

24.1 Resolve matters from NEG meeting February 4th

Actions from NEG:

- NTC will publish information on www.ediel.org that there is strategic decision to migrate to CIM XML and that NEG will provide CIM XML schemas when needed. Also the current mapping document will be published.
- NTC is asked to make a requirements specification for addition/changes the Harmonised Role Model (HRM), which will be forwarded to NRMG, asking for approval and support, before presenting the changes to the eBIX®, EFET and ENTSO Harmonisation Group.

The sentence from the first bullet will be published at www.ediel.org and the second bullet was taken under item 11 above.

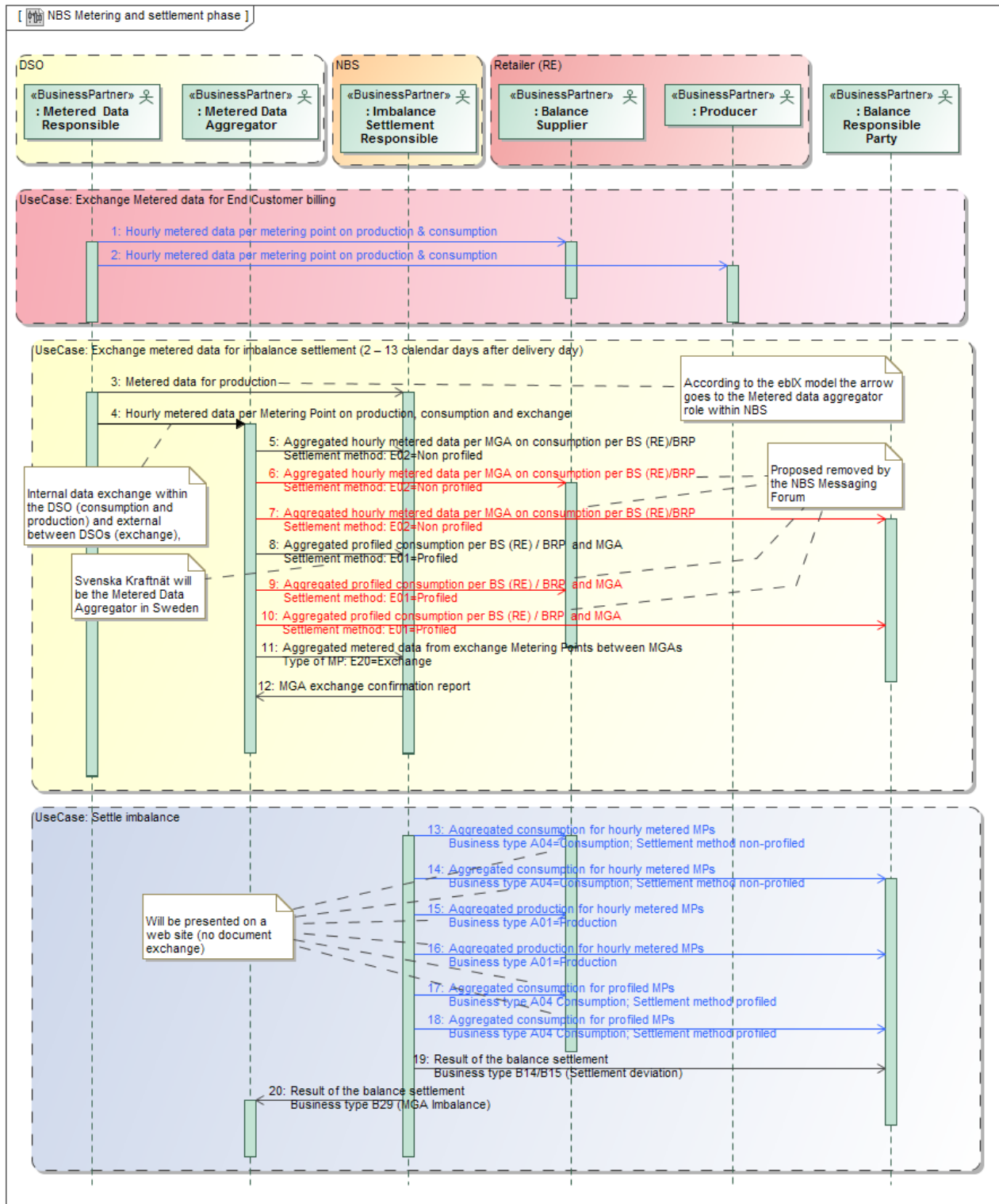
Action:

- Ove will publish the sentence: "There is strategic decision to migrate to CIM XML and NEG will provide CIM XML schemas when needed."

Appendix A “To remember list”

Item #	Item	Description	Status
1.	EMFIP Configuration Market Document	Within EMFIP there is a document called Configuration Market Document. NTC don't think that the document can be use for any master data in the foreseeable future. However, the topic should be kept in mind and we might get questions why we didn't use it. At a later stage, NEG might do some work to influence the European standards.	TBD

Appendix B Overview of information exchange for the NBS metering and settlement phase



Appendix C Mail exchange between Eveliina and Ove

Thank you for good comments. I have updated the BRSs with most of them, but I have some questions to some of them:

- Nordic Trading System
 - **Ove:** You say: “Figure 5, According to BRS for NBS / eSett (TSO-NPS) we are sending the documents directly to eSett, not through TSO. Should this be corrected accordingly?”. However, when I look in the NBS BRS for NPS/TSO, I believe this arrow is valid for Sweden, see arrow 7 (BRPs and Traders trade in Elspot and Elbas) and arrow 9 (BRPs trade in Elspot and Elbas (optional)) in chapter 2.3
Eveliina: Yes, in NBS specification this is defined as optional, but same is not written in Nordic trading system BRS.
 - **Ove:** Table 2, NPS Intraday system is not sending Publication Document to BRPs. Process flow is correct, but reference to Publication Document must be taken away from arrow 17 and 22. What is used today (what to replace)?
Eveliina: Intraday system is using various formats, so my understanding is that this could be left blanc in the BRS document.
 - **Ove:** How about arrow 23 – Is the NEG ECAN Publication document used here?
Eveliina: Same as above applies to this also.
 - **Ove:** Figure 18, NPS doesn't use SpotMarketBidDocument, AllocationResultDocument or PublicationDocument towards Trade Responsible party. Flow is correct, but reference to these documents must be removed. What is used today (what to replace)?
Eveliina: Same as above applies to this also.