

Minutes: NEG Technical Committee Date: Friday March 27 th , 2015 Time: 09:00 – 16:00 Place: Statnett's offices in Oslo April 21 st , 2015	 NEG Nordic Ediel Group
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Present: Jan Owe, Svenska kraftnät
Jari Hirvonen, Fingrid
Jon-Egil Nordvik, Statnett (Convenor)
Kim Dahl, Statnett
Ove Nesvik, Edisys (Secretary)
Mats Elmér, Svenska kraftnät

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
Pasi Lintunen, Fingrid

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

Appendix A "To remember list"



Memo NPS ESS
documents 2015032

Attachment: , see item 15, Review of BRS for schedules

--- Combined NBS and Ordinary NTC---

1 Approval of agenda

The agenda was approved with the following additions:

- Errors in an acknowledgement message - what to do? See 27.1 under AOB
- Length of IDs and negative acknowledgement, see 27.2 under AOB
- SMTP/FTP towards eSett, see 27.3 under AOB
- Review of NTC members, observer, CC, see 27.4 under AOB
- Performance related to ebIX® messages, see 27.5 under AOB

- RE's production Units' own consumption separately from RE's aggregated consumption in a one MGA, see 27.6 under AOB

2 Approval of previous meeting minutes

The minutes from previous meeting was approved.

3 Resolve matters from NEG meeting February 12th 2015

NTC was asked to update relevant BRSs to include a description of CIM based ENTSO-E documents. It was agreed to add the CIM description to all NEG BRSs, except for the NBS BRS and the NBS TSO/NPS communication BRS.

Homework:

- Jon-Egil will try finding links to the CIM schemas on the ENTSO-E web site
- Ove will add CIM descriptions to the BRS tables to all NEG BRSs, except for the NBS BRS and the NBS TSO/NPS communication BRS

4 Status for BRS for Master Data Documents (Structure Data Flows)

Actions (homework) from previous meeting:

- Mats will verify if Basse need for a MGA Type of **Z07** = “Main (or central) grid”, to be used in “NEG Area Specification Document for MBA and MGA Master Data” (continued homework). Mats will inform Ove if MGA Types for production **Z07** = “Main (or central) grid” should be added to the BRS before the end of the week.

Status:

- Postponed
- Ove will verify that the Code List Document is updated with all new code lists from the Master Data BRS

Status:

- Done, but not updated at www.ediel.org
- Ove will update the XML schemas:
 - Add MGA Types for production “**Z06**, Production” where relevant
 - Change the cardinality of the relation between “Resource Object Details” and “Related Area” to [0..*] in the NEG-Resource Object Master Data

Status:

- Done, but not updated at www.ediel.org

Homework:

- Ove will publish the Code List Document at www.ediel.org
- Ove will publish the BRS for master data and related UserGuide at www.ediel.org

5 Review of NBS BRS

The comments and marked changes to the NBS BRS were reviewed and agreed.

Homework:

- Ove will publish the NBS BRS and related UserGuide at www.ediel.org

6 Review of NBS BRS for TSO/NPS communication

Actions (homework) from previous meeting:

- Mats will investigate how to deal with Åland

Status:

- Handled as bilateral trade, i.e. no consequences for the data exchange

- Mats is asked to review the Reason codes and the dependency matrix in chapter 5.3.2 (table 8 and 9)

Status:

- Reviewed and OK

Homework:

- Ove will publish the NBS BRS for TSO/NPS communication at www.ediel.org

7 Review of BRS for Determine Transfer Capacity

Due to lack of time the item was postponed.

8 Status NBS User Guides (NBS and NBS Master Data)

The item was dealt with under item 4 and 5 above.

9 Routing of acknowledgements versus MADES for routing purposes

The item was postponed.

10 Format for “Information Service”

The item was postponed.

11 Review of comments to NEG Common rules and recommendations

NEG Common rules and recommendations document was reviewed and updated.

Before publication, Christian is asked to verify the following text:

- In the gas sector the day starts at 06:00 local time.
- For gas:
 - A day is from 05:00 to 05:00 during winter time
 - A day is from 04:00 to 04:00 during summer time (daylight saving time)
 - When changing from winter time to summer time there are 23 hours in the time series (from 05:00 the day before to 04:00)
 - When changing from summer time to winter time there are 25 hours in the time series (from 04:00 the day before to 05:00)

Actions from GoToMeeting 20150213

- How to handle spaces in identifiers (document ID, Time Series ID etc.), e.g. if we should advice not to use spaces:
 - Jari is asked to investigate with Unicorn if:
 - Basse will have spaces in identifiers (e.g. in Document IDs)?
 - If Basse can receive spaces in identifiers (e.g. in Document IDs)?

Status:

- Basse will not send IDs with spaces and will be able to receive it
- Signed values in NBS documents, *From Jan:*
 - According to the NBS handbook (chapter 5.1.2) the BRS should specify the rules for signs in the messages. And that can be found, however not every time so obvious. I.e. for production I read about it in chapter 2.4: "The documents (arrow) 3, production, will always be reported using positive values."
 - Regarding exchange I can read about it in two places in chapter 5.3 (and 5.4). And there are some other places in chapter 5 where I can read about signed values.
 - What are the rules then for aggregated consumption? Negative sign? Positive sign (i.e. without sign)? Since we are specifying if it is consumption, it could just be an unsigned value. However, that needs then to be stated – or if the rule should be to use negative sign for aggregated consumption. I would suggest the latter.
 - Note that in the NBS Handbook it is stated:
"When viewing data in the imbalance settlement system, the following will apply: Aggregated consumption and power exported from the MGA to an adjacent MGA will have negative sign. Meter values from production units and import of power to the MGA from an adjacent MGA will have a positive sign."
 - From Mats:
The NBS project are evaluating this issue. A respond would most likely be sent in the beginning of next week (starting with February 16th).

Status:

- The BRSs was updated regarding use of signed values.
- The rules for usage of signed values below will be added to the NEG Common rules and recommendations
 - All quantities shall be positive (without sign) unless anything else is explicitly stated, such as netted exchange between MGAs
 - Consumption and Production is always reported (exchanged) as positive values
 - Pumping is reported in separate time series as aggregated consumption
 - Amounts can be both positive and negative
 - Positive values are sent without sign and negative values are sent with a leading minus

Homework

- Ove will do some final clean-up and thereafter send the document on circulation for comments for 14 days to NEG, before publishing it at www.ediel.org

12 Review of updated NBS XML schemas

Statnett had noted that there are mismatch between the core xml-schemas from NEG and the ENTSO-E schemas they use. Based on this finding Ove had updated the NEG core xml-schemas to the latest available schemas from ENTSO-E.

Ove noted that namespace tags (ecc) are missing in several of the NEG documents, probably due to the origin of the first NEG documents, which was the non-namespaced version of the ENTSO-E schemas.

Homework:

- Ove (Edisys) will clean up the NEG schemas, i.e. add namespace tags (ecc) to all relevant elements in the NEG schemas.

13 Status for NPS implementation of NEG Documents

The item was postponed.

14 Status BRS for Nordic Operational System (RPMimp project)

NTC had received a document with comments from the RPMimp project, which was reviewed. During the review a few new comments turned up that will be forwarded to the RPMimp project.

Homework:

- Ove will send the NTC comments to the RPMimp project.
- When The NTC comments are answered the BRS will be sent on circulation for comments for 14 days to NEG, before publication at www.ediel.org

15 Review of BRS for schedules

The corrections done to the BRS for schedules at the previous NTC meeting were not clear, hence Jon-Egil and Ove had made a new proposal, see attached memo.

Homework:

- All are asked to verify if the attached proposal for content of ENTSO-E ESS documents to be sent from NPS in relation to Nordic Balance Settlement is OK, especially the last column (BRPs and Traders trade in Elspot and Elbas from NPS to TSOs).
- Mats will verify arrow 8 to 11 in the BRS for NPS/TSO communication is OK
- Ove will update the BRS for schedules with updated column 4 from the Memo and verify that both BRSs are in line with the memo
- The updates will be reviewed at the next NTC meeting

16 Review of comments to BRS for Nordic Trading System

The item was postponed.

17 Micro production in Sweden

Sweden get a new law from January 2015, where the Balance Supplier (BS), supplying the consumption, also must take the production, unless the Customer chooses another BS. New codes are needed for this process. Micro production is production where a fuse of maximum 100 A (Ampere) is used.

Jan had submitted three DMR:s that was reviewed and approved.

Homework:

- Ove will send the PRODAT IG to NEG for two weeks of commenting and thereafter update the PRODAT IG and publish it at www.ediel.org.

18 Status for continuation of the HNR project

No news reported.

19 Status for MRs to ENTSO-E

The item was postponed.

20 Status for implementation of MADES

Jon-Egil reported that Statnett has started testing of the MADES node with some of system vendors.

21 Identification of eSett

Action from previous meeting:

- Jari will make a request for an EIC code for eSett.
- When the EIC code is ready, Ove will update all XML examples

Jari informed that the request is sent, but no response yet.

22 The concept of “data packages”

Action from previous meeting:

- Mats will go through the “data packages” and see what kind of information that may be requested from the actors, which not are part of the already defined documents. An example is the Norwegian request for total consumption (both profiled and non-profiled) per BS (RE) and MGA.

This is a handbook item and will be removed from the next agenda

23 Versioning of NEG XML schemas

How to make versions of the NEG XML schema and how to publish them (e.g. both NBS and NPS are using the NEG restricted ESS Schedule document, but not necessarily the same version over time)?

There was not enough time to discuss the item in detail, but the following rule was proposed:

- We add version 1.0 in all NEG schemas and update the version when the schemas are changed

Homework:

- Jon-Egil will ask WG-EDI for procedures for versioning of xml schemas:
 - Versioning of XML schemas under the “core directory”
 - We are missing versioning in the local restricted code XML schemas

24 Review of www.ediel.org

The item was postponed.

25 Information (if any)

No information exchanged.

26 Next meeting

Monday April 27th 2015 in Copenhagen

Monday May 11th 2015 in Stockholm

27 AOB

27.1 *Errors in an acknowledgement message - what to do?*

From Jan:

- The basic rule should be not to send an acknowledgement message as an answer to an acknowledgement message. But, what should happen if someone sends an acknowledgement message with errors? My opinion would be: It is not required to send an acknowledgement message as an answer to an acknowledgement message in case of errors.
- However, it ought to be allowed for syntax errors, otherwise will the one sending bad messages never be informed about the incorrect message. And specially, I would recommend sending the acknowledgement message back when the error is found while testing. Note however, there must be an end to possible loops, i.e. if both are sending messages with syntax errors.... The last case is a reason to be very cautious.
- Today we are in Sweden sending CONTRL to all other messages, but never CONTRL as an answer to a CONTRL.
- To inform about errors, and in this case syntax errors, would be the benefit of sending an acknowledgement message as an answer to an erroneous acknowledgement message. I.e. all messages, including ack-messages, would be syntax checked, and a response sent back if errors are found. However, in my opinion sending ack-messages as answers to erroneous ack-messages should not be required.
- The questions are then:
 - should it be allowed?
 - should it be done while testing?
- **Perhaps then we should (if not already done) state in the documentation that ack.-messages should not be sent as responses to ack.-messages, not even for erroneous ones. Such errors should be handled manually.**

Conclusion:

- We state a text in the NEG Common Rules and recommendations, similar to the last bullet above

27.2 *Length of IDs and negative acknowledgement*

From Jan:

The following example with this long identification may result in a negative acknowledgement. That is because you may not send a correct acknowledgment since the identification is longer than 35 characters (the limit in the acknowledgement message).

Should we then limit the length of Identification in our schemas?

And, should we also limit the length of Identification within PayloadEnergyTimeSeries? In the acknowledgment message, that reference (SendersTimeSeriesIdentification) may not be longer than 35 characters.

And, if the error occurs, my suggestion would be to send the 35 first characters in the references in the Acknowledgement message.

Homework:

- Ove will make a text in the NBS BRS that the Document ID and Payload ID has a maximum of 35 characters.
- Jan and Ove will bring up the question in ebIX®; how to specify the length of the IDs

27.3 SMTP/FTP towards eSett

The NEG Common Rules and recommendations was update with the text below:

- Ref <ftp://ftp.rfc-editor.org/in-notes/rfc7303.txt>
 - All xml schemas and documents shall use “<?xml version="1.0" encoding="UTF-8"?>”
 - All SMTP messages shall use:

MIME-version: 1.0
Content-Type: application/XML; charset="utf-8"
Content-Transfer-Encoding: base64

Homework:

- Jari will ask Unicorn if their SMTP implementation can use TLS?

27.4 Review of NTC members, observer, CC

Ove asked for a review of the recipients of NTC documents. It was agreed to remove Unicorn from the distribution list (Jari will forward relevant documents to Unicorn). Ove will for the future send agendas, minutes and more finalised documents to NTC, NBS and CC recipients. Working documents will be sent to the “core NTC members”, i.e. Jan, Jari, Jon-Egil, Kim, Mats and Ole.

27.5 Performance related to ebIX® messages

From Jari:

One market party raised question about the "performance" of the messages. Their system vendor have stated that:

- With ebIX® messages create and send 1.000 time series in 10 minutes
- With MSCONS same system can send 100.000 time series in less than 60 minutes and receive 100.000 time series in less than 120 minutes.

- With more simpler xml document can handle 100.000 time series (24h per series) in 12 minutes

From Jan:

Interesting performance figures. From Basse we might do something similar with two exchanges from Basse to DSO:s. I.e. do a comparison between:

- a) "MGA exchange confirmation report" (ebIX based) and
- b) "Result of the balance settlement – MGA Imbalance" (ENTSO-E)

Conclusion:

- This is not a problem for NBS documents and we do nothing

27.6 RE's production Units' own consumption separately from RE's aggregated consumption in a one MGA

Jari got this from Pasi Lintunen,

I've discussed with Finnish DSO and received a question is it possible to separate RE's production units' aggregated own consumption from RE's aggregated metered consumption in a one MGA.

Generally this mean that DSO will submit two consumption time series per RE and MGA in the messages. From the Basse's perspective a new consumption type (compare e.g. to Metered Losses) needs to add into the BackOffice, Online Service and Data Flow.

In addition to this below we've a need to add also a one new production type "other" (same way as e.g. hydro) for production unit.

From Jan:

Regarding the production units own consumption (per RE) separated from the aggregated consumption in a MGA (per RE) we don't have this issue in Sweden.

For every production unit, with own consumption, there is in Sweden a separate "metering point id" for the consumption. I.e. the customer may choose another supplier (RE) for the consumption, than for the production. Separate PRODAT messages are sent. (We will do a minor change this year due to new laws in Sweden where the supplier for the consumption is obligated to be the supplier also for the micro-production if the customer doesn't choose supplier himself.)

What I wanted to say is that every DSO in Sweden does this aggregation already today per RE. I.e. make the aggregation of all consumption metering points – including those consumption metering points that physically are connected to a production metering point. That is also possible since we must separate the metering.

Since this most likely differs between the countries, I can see problems for Norway and Finland if you don't have separated metering and don't have separated metering point id:s. So, if new codes for consumption types will be added, those will not be in use in Sweden since we, most likely, don't want to change our present aggregation.

Conclusion:

- Forwarded to the NBS project (Own consumption within a production unit).

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