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: Appendix A, "To remember list"
Appendix B, Overview of information exchange for the NBS metering and settlement phase

Attachment: None

--- Combined NBS and Ordinary NTC---

1 Approval of agenda

The agenda was approved with the following additions:

- Can we change BRS status from "For test implementation" to "For implementation"?, see item 4.5
- Original agenda item 4.5 was moved to new agenda item "5, NEG Common XML rules and recommendations"
- Summer/winter time rules regarding Finnish usage, see item 5.2
- Subject Party in ENTSO-E ESS Schedule Document, see item 6.3
- Can we change BRS status "For test implementation" to "For implementation"?, see item 6.5
- XSD-restriction related to coding scheme for EIC, see item 7.2
- Validity Start and End related to Subject Party in the NEG Resource Object, see item 7.3
- Resolve matters from latest NEG meeting, see 18.1 under AOB
- Nordic Operation BRS, see 18.2 under AOB

2   Approval of previous meeting minutes

The previous minutes were approved after correction of spelling errors.

3   Status: Generic Format

Mats explained that eSett is in the approval process of the data exchange concepts. The data exchange is split into the fixed formats and the generic format. Thereafter Mats presented some examples of the documents based on the generic format.

It was agreed that the generic format specification should be an eSett or Unicorn document. If eSett wants, it could be published on www.ediel.org

Action:

- Mats will verify if the generic document documentation will be published at www.ediel.org.

4   Status for NBS BRS (and related UserGuide)

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

Since the secondary legislation in Sweden not yet is approved, the item was postponed.

4.2   *Usage of schemeAgencyIdentifier and schemeIdentifier for production units*

Continued action item:

- Jon-Egil will investigate at what level Norway will report measured production data. I.e. on Generator Group level, on Power Station level or Generator level, both post and pre Elhub.

4.3   *Quantity quality*

The text below will be added to the "Common Rules and Recommendations"

For metered data from one MP there are three quantity qualities available:

21 (Temporary) The value has an uncertainty. The "temporary" quality is typically used for unreliable values, such as if the values are outside limits and need to be manually checked. Temporary values should be replaced by "Estimated, approved for billing" or "Metered" before used for billing.

56 (Estimated, approved for billing) This quality is used when the data is final, but estimated. E.g. if it is not possible to get data from the meter.

"No code" (Metered) No code is the default value and is used for metered values that is within the limits.

For aggregate data from several MPs there are the same three qualities available.

21 (Temporary) The value has an uncertainty. The "temporary" quality is typically used for unreliable values, such as if there are missing values in the relevant hour for one or more of the underlying MPs or if the values are outside limits and need to be manually checked. Temporary values should be replaced by "Estimated, approved for billing" or "Metered" before used for billing.

56 (Estimated, approved for billing) This quality is used when one or more of the underlying MPs have estimated values, but are final.

"No code" (Metered) No code is the default value and is used when all underlying MPs have a quality of metered.

Action:
- Mats will ask eSett to add some text in the eSett Handbook, such as; "Note that eSett will use the received values for the final settlement, independent on the quality".
- Ove will add the text related to quantity quality to the NEG Common Rules and Recommendations, send it to NEG for approval and publish it.

4.4   ESP version:

Ove had as action from previous meeting made a memo, explaining the possible change from NEG EAR version 1.0 to ENTSO-E EAR version 2.0. The memo was reviewed and agreed, and will be published at www.ediel.org under NEG -> NBS -> new paragraph "Possible future updates of NBS XML schemas".

Action:
- The memo "Possible future updates of NBS XML schemas" will be published at www.ediel.org in connection to the NBS set of xml schemas.

4.5   Can we change BRS status from "For test implementation**"** to "For implementation"?

Mats had asked if we can change BRS status from "For test implementation**"** to "For implementation"?

Action:
- Ove will change the status to "For implementation" and change the version to 2.0.A. The BRS will be sent to NEG for 14 days before published at www.ediel.org.

5   NEG Common XML rules and recommendations

5.1   Prefixes and schemaLocation

Ove had as action from previous meeting drafted a new paragraph in the "NEG Common XML rules and recommendations" regarding the usage of prefixes and schemaLocation.

The addition was slightly updated and approved.

Action:
- Ove will make at least one example XML with namespace prefixes, which will be published together with the next set of updated schemas.

5.2   Summer/winter time rules regarding Finnish usage

Summer/winter time rules regarding Finnish usage was added to the document.

Action:
- The "NEG Common XML rules and recommendations" will be published at www.ediel.org after approval by NEG.

6 Status for NBS BRS for TSO/NPS communication

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

Since the secondary legislation in Sweden not yet is approved, the item was postponed.

6.2 Action from previous meeting

The item (How to delete regulations) was postponed.

6.3 Subject Party in ENTSO-E ESS Schedule Document

Mats informed that the "Subject Party" in the ENTSO-E ESS Schedule Document is on Document level. NPS will therefore send one file per BRP. This issue might have already been discussed in some e-mails.

Conclusion:
- This is how the ENTSO-E ESS document is build, hence not possible to change.

6.4 NEG ERRP Reserve Allocation Result Document

6.4.1 Cardinality of Process Type

Ove informed that in the document level, the attribute **Process Type** is set to **[0..1]** in the NEG schema. Ove asked if it is a typing error that the Process Type is set to [0..1]. It is optional in the ENTSO-E IG (i.e. in the class diagram), but we have consequently set Process Type to [1] (required) in all NEG documents (i.e. in the table).

Conclusion:
- We keep it as is, to be as close as possible to the ENTSO-E original.

6.4.2 Dependency matrix

In the attribute table it is not stated that for instance the Sending Process Type "**A28** Primary reserve process" cannot be sent in combination with Business Type "**A10** Tertiary control", which logically would be inconsistent – i.e. this should NOT be allowed. Hence, Ove proposed to expand the dependency matrix with the Process Type.

Action:
- Ove will add the Process Type to the dependency matrix connected to NEG ERRP Reserve Allocation Result Document in the BRS.

6.5 Can we change BRS status "For test implementation" to "For implementation"?
Action:
- Ove will change the status to "For implementation" and change the version to 2.0.A. The BRS will be sent to NEG for 14 days before published at www.ediel.org.

7   Status for NBS BRS for Master Data

7.1   *Validity Start and Validity End – Use of time zones*

Mats informed after previous meeting that Unicorn cannot proceed if the Validity Start and Validity End are expressed as: YYYY-MM-DD.

To be in line with other date/time elements, the format should be YYYY-MM-DDTHH:MM:SSZ (including seconds). In addition, Ove proposed addition of some rules for the usage, such as:

- Finland and Norway uses "local time", while Sweden use "normal time". That means that the Validity Start and Validity End date/time always should use the following times:

    o Finland will always use YYYY-MM-DDT22:00:00Z, the day before, during wintertime
    o Finland will always use YYYY-MM-DDT21:00:00Z, the day before, during summertime
    o Norway will always use YYYY-MM-DDT23:00:00Z, the day before, during wintertime
    o Norway will always use YYYY-MM-DDT22:00:00Z, the day before, during summertime
    o Sweden will always use YYYY-MM-DDT23:00:00Z, the day before, during both summertime and wintertime

Eveliina had informed that from NPS perspective, it is fine to do the same date element updates also to NEG Area Specification and Auction Specification documents (however, the Auction Specification document does not have Validity Start and Validity End date/time). This change suits NPS perfectly. It is always better to show full date & time values with time zone information than just dates, many misunderstandings and explanations in various documentation are avoided by using also time values. Naturally, if there are already some message formats implemented and in use with only the date elements, it will take some time to schedule and re-implement the changes to those.

Ove had also got a comment/question from Elhub regarding how to interpret the Party Master Data attributed table – today, the table can be misunderstood. One solution could be to split the table into two, one for Party relation master data document and one for Retailer consumption master data document. – to avoid misunderstandings. Or, as an alternative, we could even split the Party Master Data schema into two schemas.

Conclusion:
- The status for the Master Data BRS will be kept as "For test implementation"
- To avoid misunderstandings in the Party Master Data attributed table, clarifications was added. There will not be new tables or schemas.

Action:
- The rules for time format in Validity Start and Validity End will be added to the NEG Common Rules and recommendations.
- Ove will verify that the BRS and UG is in line with the date/time change (Validity Start/End) and send the BRS, UG and Schemas on circulation for comments to NEG for 14 days before publishing.

7.2 XSD-restriction related to coding scheme for EIC

Unicorn had noticed that the coding scheme for EIC for Production Unit (Metering point) cannot be used, in the ebix_ValidatedDataForLabelingForCertificateIssuer – The schemeAgency code 305 (ENTSO-E) is missing.

Action:

- Ove will add 305 as schemeAgency for the MP in ebix_ValidatedDataForLabelingForCertificateIssuer.

7.3 Validity Start and End related to Subject Party in the NEG Resource Object

There is a Validity Start and a Validity End for the Production Unit and the Subject Party. Both mandatory but Basse only uses one Validity Period. Should the Party Details be mandatory?

The cardinality of the Party Details is [1], hence in the current schema there has to be a Subject Party connected to the Resource Object. Mats informed that a DSO might want to register a Resource Object without a Subject Party (to be added later). A proposal was to make the Party Detail class optional and repeatable [0..*]. Repeatable because then it is possible to change Related Party – Send Validity End Date and Time for the current party and Validity Start Date and Time for the new party.

Action:

- Mats will investigate the following possibilities and need with Unicorn and come back to the item:

    A DSO might want to register a Resource Object without a Subject Party (to be added later). A proposal is to make the Party Detail class optional and repeatable [0..*]. Repeatable because then it is possible to change Related Party – Send Validity End Date and Time for the current party and Validity Start Date and Time for the new party.

8   Status for NPS implementation of NEG Documents

Action:

- Eveliina is asked to provide a status for the Nord Pool implementation of the NEG documents (preferably by participating at the next NTC meeting or eventually via Skype/GoToMeeting), such as:
    o Which documents are implemented?
    o When is xml expected to be used in production?
    o What are the plans for further implementations?
    o Etc.

9   Review of BRS for schedules

At the end of the meeting a review of chapter 7 and the rest of the BRS was started. The review will continue at the next meeting.

The draft BRS can be downloaded from:
https://www.dropbox.com/sh/hrp2wn85e98mwb3/AADsJkoqijybvORu2CQm75q7a?dl=0

10   Review of comments to BRS for Nordic Trading System

Some questions and information had turned up after previous NTC meeting, hence Ove had postponed his action item, to send the BRS on circulation for comments to NEG for 14 days before publishing:

1. The NEG ECAN Publication Document is used for prices in the reconciliation and correction settlements by Elhub (and probably also by others), with the following business types.

   o Business type **A62** (Spot price), received from NPS (?), is used for reconciliation
   o Business type **B23** (Consumption imbalance price = Balance regulation market price I dominant direction) received from TSO (Statnett), is used for corrections of hourly metered MPs

   However, **B23** is missing in the BRS. In addition, the process (sequence diagram) should be verified.

   Conclusion:

   o This is "Balance regulation market price" (last arrow in the sequence diagram) in the BRS for Operate, that should be going also to the Reconciliation Responsible – Will be put on next agenda.

2. In the NEG ECAN Publication Document (xml-schema) we have added an "Average Price", which not seems to be used – Should we remove it?

   Conclusion:

   o Will be added to the memo with proposed changes to NEG schemas.

3. NTC had noticed NPS, after the previous NTC meeting, that the "Bid Document ID" and "Bid Document Version" is required, but not used, in the NEG ECAN Allocation Result Document (Filled with "Empty field" and "fixed 1"). Hence, NTC proposed removing these elements from the Nordic schema. NPS was asked if they will use the new schemas or if NPS will keep the current published schemas.
   o In the latter case NTC proposed to establish a set of "Next version NEG XML schemas", that can be used by NPS, NBS, etc. when updating their systems at a later stage.

   Answer from Eveliina:

   o We are using the already published schemas, so I prefer that new, future set of schemas is published where these two elements are removed. We will then plan internally, when to take the change into our use.

   Conclusion:
   o Will be added to the memo with proposed changes to NEG schemas.

4. Eveliina had informed that NPS do need the Portfolio identification element in the NEG ECAN Allocation Result Document, hence the element will be kept in the BRS and related schemas.

5. Ove had made a new set of NEG ECAN Allocation Result Document schemas, where the following attributes are optional:

   o Bid Document Identification
   o Bid Document version
   o Auction Identification
   o Contract Identification

6. In the NBS BRS for TSO/NPS, NEG ERRP Reserve Allocation Result Document, the cardinality of Tendering Party is set to [1], as is the case in the ENTSO-E IG. However, in BRS for Trade, the cardinality of Tendering Party is set to [0..1]; should it be changed? See also item 6 above.

   Conclusion:

   o We change to [1]

7. From Nord Pool perspective, it is fine to do the same date element updates (change from date type to date and time type) also to NEG Area Specification and Auction Specification documents (however, the latter has no Validity start/end).

   ▪ This change suits NPS perfectly. It is always better to show full date & time values with time zone information than just dates, many misunderstandings and explanations in various documentation are avoided by using also time values.

   ▪ Naturally, if there are already some message formats implemented and in use with only the date elements, it will take some time to schedule and re-implement the changes to those.

   What version to use for the NPS documents – For NBS we called the change an error correction, but can we do the same for NPS? Should we make a copy and call it version 1.1?

   Conclusion:

   ▪ Versioning will be discussed next meeting

8. Which documents to add to a "Nordic TSO" set of xml-schemas? Is this a part of the discussions scheduled for next meeting?

   Conclusion:

   ▪ Yes, will be handled under the versioning discussed next meeting

9. Is the "Settlement Deviation Basis Report" from the Operational markets missing?

   Conclusion:

   o Postponed

Action:
- Ove will make an overview of schemas to add to a general NEG set of schemas (next generation schemas), including NEG ECAN Allocation Result Document
- Ove will send the BRS for Nordic Trading System on circulation for comments to NEG for 14 days before publishing

11   Status for MRs to ENTSO-E
Nothing new

12   Status for responses to the memo "Request to implement MADES SOAP header"
Nothing new

13   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

14   Status www.ediel.org
Links to www.ebix.org and www.ediel.fi was added. No other issues.

15   Review of Appendix A, "To remember list"
Postponed

16   Information (if any)
No extra information exchanged

17   Next meeting
Wednesday November 16th 2016 in Oslo, 09:00 – 15:30

18   AOB

18.1   Resolve matters from latest NEG meeting
NTC got as action from the latest NEG meeting to review the Role Model from the Nordic Hub Gap Analyses project in Appendix C. If agreed, NTC is asked to send a request for addition of the Metered Data Administrator role to the ebIX®, EFET and ENTSO-E Harmonisation Group.

The Role Model from the Nordic Hub Gap Analyses project was reviewed and it was noted that GAP and ESCO also are used in Sweden

Action:
- Ove will make a document (MR, Memo or similar) explaining the need and use of a Metered Data Administrator. The intention is to get an agreement for the new role between the Nordic hubs before sending a change request to the HG.

18.2   Nordic Operation BRS
An updated version of the Nordic Operate BRS is sent on circulation for comments for 14 days, i.e. before Tuesday October 18th. The update includes the following changes:

- NEG ECAN Publication Document:
  - Addition of Business Type "**B23** Consumption imbalance price"
- ERRP Activation Document:
  - Addition of Document Type "**A36,** Deactivation document"
  - Addition of Business Type "**A12** Secondary control"
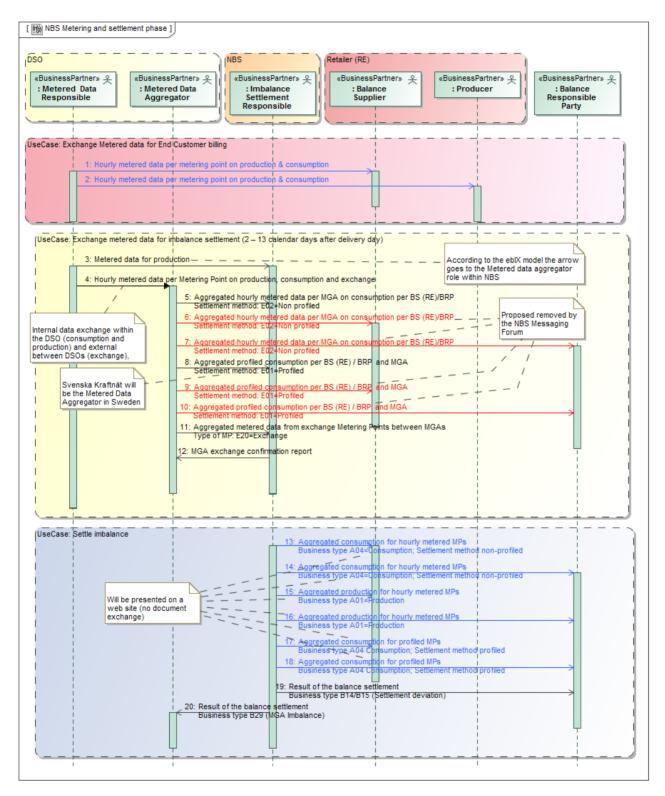 - Update related dependency matrix.

Action:
- Ove will update the BRS with comments from today's meeting, i.e. with renumbering of the sequence diagram table.
- Ove will publish the BRS at www.ediel.org, unless blocking comments are received.

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 used 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
2.	Balancing Publication Implementation Guide	To be looked into	TBD

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

Should we remove the "red arrows" from the sequence diagram below (to be answered when the secondary legislation in Sweden is approved)?

Appendix C   Role Model from the Nordic Hub Gap Analyses project