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| Minutes: NEG Technical Committee Date: Monday June 23 rd , 2014 Time: 09:00 – 16:00 Place: Copenhagen July 7 th , 2014 |  NEG Nordic Ediel Group |
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- Participants:** Filip Kral, Unicorn
Jan Owe, Svenska kraftnät
Jari Hirvonen, Fingrid
Jon-Egil Nordvik, Statnett (Convenor)
Kim Dahl, Statnett
Miloš Mojžiš, Unicorn
Morten Hilger, Energinet.dk
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)
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Marja Eronen, Nord Pool Spot
Minna Arffman, Fingrid
Ole Fredsø Weigelt, Energinet.dk
Ove Nesvik, EdiSys (Secretary)
- (NBS):** Mats Elmér, Svenska kraftnät
Morten Hilger, Energinet.dk
Morten Torgalsbøen, Statnett
Pasi Lintunen, Fingrid
- Unicorn:** Filip Kral, Unicorn
Jana Makýšová, Unicorn
Miloš Mojžiš, Unicorn
- CC:** Anders Bergqvist, Svenska kraftnät
Anne Stine Hop, Statnett
Oscar Ludwigs, Svenska kraftnät
Tor Bjarne Heiberg, Statnett
Tor Åge Halvorsen, NordPool
- Appendixes:** **Appendix A**, Some issues regarding routing and the ENTSO-E Acknowledgement message
- Attachment:**  Problems with the ENTSO-E acknowledged see item 5, Routing of acknowledgements versus MADES for routing purposes

--- Combined NBS and Ordinary NTC---

1 Approval of agenda

The agenda was approved with the following additions:

- Review of Common rules and recommendations, see 16.1 under AOB
- Review of BRS for Trade, see 16.2 under AOB
- Format for “Information Service”, see 16.3 under AOB

2 Approval of previous meeting minutes (May 9th, May 28th (Lync), June 5th (Lync) and June 6th (Lync))

The minutes from previous meetings were approved

3 NBS Issue list

| # | Issue | Clarification, discussion, conclusion and/or action |
|---------|--|---|
| Issue 1 | PX Market Trade; Missing identification of Retailer and Portfolio ID (how to handle different portfolios) – Awaiting internal discussions within NBS | <p>20140623:</p> <ul style="list-style-type: none"> • Ove had updated the NBS TSO/NPS BRS (ESS Schedule document), see item 11.3 • Ove will published the BRS at www.ediel.org and www.nbs.coop(?) • The item will be closed <p>20140606 Conclusion:</p> <ul style="list-style-type: none"> • NTC agreed to use the Agreement ID for the Portfolio ID <p>Homework:</p> <ul style="list-style-type: none"> • Ove will correct the BRS(s) <p>20140523: Action:</p> <ul style="list-style-type: none"> • MR for adding a <i>Portfolio ID</i> will be sent to WG-EDI <p>20140509:</p> <ul style="list-style-type: none"> • Since this is an exchange from NPS to NBS, the final decision may be postponed until the autumn |
| Issue 2 | Processes for Currency Identification is not defined yet – Issue from Unicorn | <p>20140623:</p> <ul style="list-style-type: none"> • There are currently no problems with currencies • The item will be closed <p>20140523: Postponed</p> <p>20140509: Action:</p> <ul style="list-style-type: none"> • Jari will ask Unicorn for an explanation of the item |
| Issue 3 | Structure data flows | <p>20140623:</p> <ul style="list-style-type: none"> • Ove had made a draft document, see item 4 <p>20140523: Action:</p> <ul style="list-style-type: none"> • Ove will make a draft specification including all Structure data flows specified by Unicorn and an extension for Resource Object (Production Unit) Master Data |

| # | Issue | Clarification, discussion, conclusion and/or action |
|---------|---|--|
| Issue 4 | The handbook group will be asked to describe the rules for calculating Delta values, including how to specify direction (sign) for both Bilateral trade and MGA-MGA exchanges | <p>20140623: Postponed</p> <p>20140523: Postponed</p> <p>20140509 - Conclusion:</p> <ul style="list-style-type: none"> • Morten will find a status |
| Issue 5 | Some issues with a few NEG (ebIX® based) XML schemas - expected solved within a few weeks | <p>20140623:</p> <ul style="list-style-type: none"> • Erik/Ove have updated the schemas and they are already published at www.ediel.org • The item will be closed <p>20140523:Postponed</p> <p>20140509: Actions:</p> <ul style="list-style-type: none"> • Ove will make a draft proposal for which <i>scheme Agency Identifier, scheme Identifier, list Agency Identifier and list Identifier</i> to use for each country • Morten will use the table above for an update of the handbook <p>20140523:Postponed</p> |
| Issue 6 | Decision for means of communication | <p>20140623:</p> <ul style="list-style-type: none"> • Jari informed that NBS is planning to offer a combination of MADES, FTP and SMTP (see also information from 20140523 below) • To be followed up <p>20140523: To be followed up</p> <p>20140523:</p> <ul style="list-style-type: none"> • MSG has approved the MADES as a standard, but not what version of the MADES, i.e. the standard version from Unicorn or a multithreaded version. • NBS propose to support FTP, SMTP and MADES: <ul style="list-style-type: none"> ○ The proposal was supported by NTC ○ If anyone want encryption, compression etc. MADES should be used (there are no encryption in Sweden today related to settlement) |
| Issue 7 | Decision on solution for test portal | <p>20140623:</p> <ul style="list-style-type: none"> • Jari informed that this will be a “summer task” for the NBS project • To be followed up <p>20140523: To be followed up</p> <p>20140523:</p> <ul style="list-style-type: none"> • Morten informed that NBS will investigate an external supplier for a test portal <p>20140509:</p> <ul style="list-style-type: none"> • The issue is not a task for NTC, but will be followed up for information |

| # | Issue | Clarification, discussion, conclusion and/or action |
|----------|--|--|
| Issue 8 | Decision on solution for common address register | <p>20140623:</p> <ul style="list-style-type: none"> • Jari informed that this will be a “summer task” for the NBS project • To be followed up <p>20140523:</p> <ul style="list-style-type: none"> • No news • To be followed up <p>20140509:</p> <ul style="list-style-type: none"> • Morten will bring the proposed content from meeting May 9th 2014 to the NBS project for further elaboration • The issue is not a task for NTC, but will be followed up for information |
| Issue 9 | Maintenance Requests (MR) to ENTSO-E/WG-EDI for official codes – May take time, but intermediate (Nordic) codes have been issued | <p>20140623:</p> <ul style="list-style-type: none"> • See item 9 • To be followed up <p>20140523: Postponed (no WG-EDI minutes yet)</p> <p>20140509:</p> <ul style="list-style-type: none"> • Jon-Egil informed that several MRs were agreed last week, but since there are no minutes yet the update the NBS documents was postponed. |
| Issue 10 | Maintenance Requests (MR) to ebIX® and ENTSO-E for restructuring of documents and new documents | <p>20140623:</p> <ul style="list-style-type: none"> • See item 9 • To be followed up <p>20140523: Postponed (no WG-EDI minutes yet)</p> <p>20140509:</p> <ul style="list-style-type: none"> • Jon-Egil informed that several MRs related to restructuring of documents also were agreed in the May WG-EDI meeting |
| Issue 11 | Should we regulate the sizes of the files (similar sizes ??) | <p>20140623:</p> <ul style="list-style-type: none"> • Ove informed that the Norwegian Elhub will have a limit on 10.000 Metering points in one document • The item was postponed <p>20140523: Awaiting Unicorn</p> <p>20140509: Action:</p> <ul style="list-style-type: none"> • Jari will ask Unicorn if they have a preference for a limit of file size |
| Issue 12 | Review and eventually update the rules for handling of date time | <p>20140623:</p> <ul style="list-style-type: none"> • See item 16.1 <p>20140523: Awaiting issue 19</p> |

| # | Issue | Clarification, discussion, conclusion and/or action |
|----------|--|---|
| Issue 13 | ENTSO-E xml schemas | <p>20140623: Postponed</p> <p>20140523: Postponed</p> <p>20140509: Action:</p> <ul style="list-style-type: none"> Morten will verify the reason for <i>NEG (based on ENTSO-E ERRP) Reserve allocation result document codes</i> with Unicorn <p>Reason Codes:</p> <p>Z22 Supportive power</p> <p>Z23 Special Regulation</p> <p>Z24 Quarterly adjustments</p> <p>Z25 Ordinary regulation</p> <p>Z26 Transit triangle</p> <p>Z27 Transit redispatch</p> <p>Z28 Transit SB Loop Long</p> |
| Issue 14 | Will the settlement during summertime (for Norway) be in local time (UTC+2) or in normal time (UTC+1)? | <p>20140623</p> <ul style="list-style-type: none"> The settlement for Norway and Sweden will be in local time, with 23/25 hours a day when going to/from summer/winter time <p>Action:</p> <ul style="list-style-type: none"> Morten will be asked to update the handbook <p>20140523: Postponed</p> |
| Issue 15 | Unicorn would like to get the Domain code for Nordic Market Area | <p>20140623:</p> <ul style="list-style-type: none"> Jon-Egil has sent a request to ENTSO-E for a EIC code, however not yet issued by ENTSO-E <p>20140523: Action:</p> <ul style="list-style-type: none"> Ove will make an MR for ENTSO-E for adding a Domain code for the Nordic Market Area and send it to Jon-Egil for submission to WG-EDI before the meeting June 3rd and 4th |

4 Specification of a Master Data (Structure Data Flows) Documents

Ove had as action from previous meeting to make a draft specification, including all Structure data flows specified by Unicorn and an extension for Resource Object (Production Unit) Master Data. The document was reviewed, among others with the following comments:

- It was noted that the Validity Period in the Master Data document for MGAs always should be used for the validity of the area and for the validity of the MBA-MGA relation, however only if there is no such relation already registered for the relation.

Action:

- Filip was asked to investigate:
 - Who will send the MBA-MGA, the TSOs or NPS?
 - Which party that can update which areas, e.g. is it only Statnett that can update Norwegian MGAs? Can Statnett update Norwegian MBAs or is this a task for NPS?
- Filip will verify if the Master data and area connection documents can be used for historical relations and ask the handbook group to update the handbook
 - Ove will update the memo
 - Filip will discuss the content with Mats

3. After verification with Mats, Ove (Erik) will create the schemas

5 Routing of acknowledgements versus MADES for routing purposes

The attached PowerPoint slides from Jan and the mail exchange in Appendix A was reviewed:

- It was noted that ENTSO-E is looking into the addition of a Process type in the acknowledgement document. However without any conclusion yet.
- It was also noted that Fedder (Energinet.dk) have volunteered to investigate the use of a “Process type” in the ECP SOAP header, to see if this can be used for routing purposes, see Appendix A.

Conclusion:

- We will await a decision in ENTSO-E regarding addition of a Process Type in the Acknowledgement document
- If rejected we will investigate the use of a “Process type” in the ECP SOAP header, to see if this can be used for routing purposes

6 Document codes for intermediate and final Confirmations

NTC (Jan and Ove) had asked ETC (ebIX® Technical Committee) to issue two new Document Name Codes:

| | | |
|------------|--|---|
| Z08 | Intermediate Confirmation of Aggregate metered data from the Metered Data Aggregator | Intermediate Confirmation of Aggregated Data per Neighbouring Grid from Imbalance Settlement Responsible to Metered Data Aggregator |
| Z09 | Final Confirmation of Aggregate metered data from the Metered Data Aggregator | Final Confirmation of Aggregated Data per Neighbouring Grid from Imbalance Settlement Responsible to Metered Data Aggregator |

However, ETC made the following proposals:

1. Use Document codes from ENTSO-E (using listAgencyIdentifier = 305), i.e. :
 - A07** Intermediate confirmation report
 - A08** Final confirmation report
2. Use Document code **E75** Notification from ISR, with the following Function codes on Time series (Payload) level
 - 46** Provisional (Message content is provisional)
 - 47** Definitive (Message content is definitive)

Conclusion:

- We will use **A07/A08** with coding Scheme = 305

Action:

- Ove will update the NBS BRS
- Ove (or Erik) will update the User Guide and XML schemas

7 Resolve matters from ebIX®, EFET and ENTSO-E Harmonisation Group

Due to lack of time, the item was postponed.

8 MSG approval of the HNR BRS

Due to lack of information from NordREG, the item was postponed.

9 Status for MRs to ENTSO-E

| MR | Status |
|----------------|---|
| NEMM 2012/100 | Addition of <i>Gradient up</i> and <i>Gradient down</i> in the <i>Reserve bid time series class</i> was approved Action: <ul style="list-style-type: none">Ove will update BRSs to be reviewed at the next NTC meeting |
| NEMM 2013/113A | Addition of <i>In-feed/out-feed ATC</i> in ECAN Capacity Document was approved. This was a request from NorNed and no action is needed. |
| NTC 2014/122 | Process Type in the ENTSO-E acknowledgement document is postponed to an ENTSO-E telephone conference in August |
| NTC 2014/123 | New Business Type codes: Z55 (B20) Balance up regulation price Z56 (B21) Balance down regulation price Z57 (B22) Main direction Z58 (B23) Consumption imbalance price Z59 (B24) Production sales imbalance price Z60 (B25) Production purchase imbalance price Z61 (B26) Average balance price between MBAs Action: <ul style="list-style-type: none">Ove will update BRSs to be reviewed at the next NTC meeting |
| NTC 2014/124 | ENTSO-E will make a new document instead (price document) |
| NTC 2014/125 | New Business Type codes: Z62 (B27) Pumped Z63 (B28) Large installation consumption Action: <ul style="list-style-type: none">Ove will update BRSs to be reviewed at the next NTC meeting |
| NTC 2014/126 | Jon-Egil got, at the latest ENTSO-E meeting, a homework to make a justification for using delta values in the ESS confirmation report Homework: <ul style="list-style-type: none">Ove will collect the justifications available in the NBS Handbook and BRSsAll will try to find arguments |
| NTC 2014/127 | New Business Type code: Z65 (B29) MGA imbalance Action: <ul style="list-style-type: none">Ove will update BRSs to be reviewed at the next NTC meeting |

Next WG-EDI meeting is September 2nd and 3rd 2014.

10 Status for NPS implementation of NEG Documents

No news

11 Status for BRS for Settlement

11.1 Bilateral trade

The attributes MGA and RE are used in the bilateral trade but it has come to NBS knowledge that the market participants (Finland and Sweden) might have a problem to connect the bilateral trade to a certain MGA. This means that the bilateral trade will probably be an open issue when NBS finalise the detailed spec. during w28. NBS is now evaluating this issue to see how we can solve this and I will inform you whenever we have some information.

Conclusion:

- The issue was discussed, however without any good proposal for how to solve it. This is a “business problem” that must be handled by NBS.

11.2 BRS for NBS 1r4D

The following conclusions was proposed at the Lync meeting June 5th and 6th (to be finally agreed at the face-to-face meeting, June 23rd):

- If a Time Series Identification is available (i.e. NBS has received a Bilateral Trade Report from the BRP in question), the Time Series Confirmation class shall be used. If no Time Series Identification is available (i.e. NBS has not received a Bilateral Trade Report from the BRP in question), the Imposed Time Series class shall be used.
- The reason code at Interval level will only be used if Reason Code at Time Series Confirmation level is “A86 Confirmation with adjustment (time series have been modified)”. I.e. Not used in imposed TS.
- To be able to send only the hours with a match in the final confirmation report there can be gaps in the sequence of the Position element in the Interval class.

Conclusion:

- Ove had added the text into the BRS, which was reviewed and agreed

Some comments From Jan (se mail form 19/6):

- 1) Some comments and minor corrections to the User Guide

Action:

- Ove will go through the comments and update the document
- If questions, we will try to solve these by mail

- 2) Some comments to the NBS BRS

Action:

- Ove will go through the comments and update the document
- If questions, we will try to solve these by mail

- 3) Which version of the Acknowledgement Document will we use?

Conclusion:

- We will use the latest, version 6

Action:

- Ove will verify that this is specified in the NEG Common rules and recommendation document

- 4) In “NEG Common rules and recommendations”, chapter 2.3, we might add a sentence “Time is expressed in UTC time.”

Action:

- Ove will update the NEG Common rules and recommendation document

- 5) Some comments to schemas:

1. Remove DtdVersion and DtdRelease from schema when not used anymore by ENTSO-E.
2. MessageDateTimeType should be changed to DocumentDateTimeType (to be verified, have not checked all schemas).
3. Remove etso-code-list.xsd and etso-core-cmpts.xsd from the core catalogue (to be verified that they are not used anywhere)

Action:

- Ove will and update the schemas
- If questions, we will try to solve these by mail

Continued homework from Lync meeting June 5th and 6th:

- Jan will investigate the rules for usage of sign (+/-) for delta and matched values (since this is a process currently used in Sweden):

11.3 BRS for NBS for NPS-TSO 1r3A

Ove had added Portfolio ID in ENTSO-E ESS Schedule document for Elspot/Elbas trade and made some textual clarifications.

Action:

- Ove will publish the document

12 Status for BRS for Schedules

There are currently no requests for update of the document, i.e. no actions.

13 Review of www.ediel.org

Due to lack of time, the item was postponed.

14 Information (if any)

No information.

15 Next meeting

September 16th in Helsinki

16 AOB

16.1 Review of Common rules and recommendations

Ove had updated the Common rules and recommendations as homework:

- Removal of the rule that time period formats shall not be used within XML messages
- Addition of clarifying text related to Time Series identification

The rules for handling summer- and wintertime need to be reviewed. However, due to lack of time this was postponed

Action:

- The document will be sent for approval to NEG and thereafter published

16.2 Review of BRS for Trade

Ove had as homework from previous meeting to update the BRS for trade with a text stating that the Minimum Acceptance Ratio shall be a value between 0 and 100 (as proposed by ENTSO-E/WG-EDI). However, the BRS was already in line with the proposal from ENTSO-E/WG-EDI:

| | |
|--------------------------|---|
| Minimum Acceptance Ratio | <p>Only used for Block and Profile block bids in day-ahead.</p> <p>Minimum acceptance ratio (%) allows the bidder to define lowest possible acceptance degree for the bid. Valid values 0-100, where 0 means fully curtailable and 100 means not curtailable.</p> |
|--------------------------|---|

In addition, the BRS for trade have been updated with addition of MW (mega Watt) as Measure Unit Quantity and Measure Unit Price in the ERRP Reserve Allocation Result Document, however not published.

Action:

- The document will be sent for approval to NEG and thereafter published

16.3 Format for “Information Service”

Jari showed a document based on the ENTSO-E Status Request document, which may be used by the market players to request data, such as settlement data, from NBS.

Conclusion:

- NTC agreed that this is the correct document to use for the purpose

Action:

- Unicorn will make a proposal for how to use the ENTSO-E Status Request document
- Thereafter Ove (Erik) will add the document to the NBS BRS

Appendix A Some issues regarding routing and the ENTSO-E Acknowledgement message

Fra: Fedder Skovgaard [<mailto:FSD@energinet.dk>]

Sendt: 4. juni 2014 11:32

Til: Owe, Jan

Kopi: Ludwigs, Oscar; Jon-Egil Nordvik

Emne: RE: Some issues regarding routing and the Entso-E Acknowledgement message

Hi Jan,

As a governing principle I don't think it is the internal organization of IT systems by an actor should influence the messages implementing a business process between multiple actors.

Having said that, I think that the MADES specification allows for this. Let's dwelve into the sentMessage structure, which is what is being handed to the ECP EndPoint by the sending application, when submitting a message for transmission.

| Element name | Element type | Description | Required |
|-------------------|--------------|---|----------|
| receiverCode | string | The component ID of the recipient's endpoint (see § 3.2) — Pattern: [A-Za-z0-9-@]+ | True |
| businessType | string | The business-type of the message (see § 3.3) — Pattern: [A-Za-z0-9]+ | True |
| baMessageID | string | An identifier of the document provided by the sender's BA. Information is transported "as is" to the recipient's BA — Pattern: [A-Za-z0-9]* | False |
| senderApplication | string | The identifier of the sender's BA. Information is transported "as is" to the recipient's BA — Pattern: [A-Za-z0-9]* | False |
| content | base64Binary | The content of the message, i.e. the business document. NOTE There is no constraint about the structure of the document which is processed as a stream of bytes. E.g. it can be a human-readable XML document, multiples files compressed in ZIP format. | True |

In addition there is an optional parameter "conversationID", which can also be used.

However most people at the EDI meeting could accept it as an optional attribute.

-All were to reconsider the option and let it be decided at the next WG EDI (telecon) meeting...

Med venlig hilsen / Best regards,

Fedder Skovgaard

fsd@energinet.dk / (+45) 76 22 44 93

Enterprise Software Architect



From: Owe, Jan [<mailto:Jan.Owe@svk.se>]

Sent: 3. juni 2014 12:19

To: Ludwigs, Oscar; Jari Hirvonen (Jari.Hirvonen@fingrid.fi) (Jari.Hirvonen@fingrid.fi); Jon-Egil Nordvik (jon-egil.nordvik@statnett.no); Ole Fredsø Weigelt; 'Ove Nesvik'

Cc: Fedder Skovgaard

Subject: Some issues regarding routing and the Entso-E Acknowledgement message

Hi!

I have made some PPT-slides showing some issues that I am thinking of when routing messages in the Nordic area and when starting to use the Entso-e Acknowledgment message for NBS and HNR.

I noticed that the Entso-e Acknowledgement message will be discussed at the WG-EDI meeting in Beograd.

In order to route the acknowledgment message back to the correct application, and we are having several applications, there is a need for some "attributes".

One would be the Process Type, and I suggest you discuss that now in Beograd.

But for the future there would – if we combine electricity and gas – be a need to see that difference, i.e. is it a message, and in this case an acknowledgment, for gas or for electricity?

And there are actors in Sweden having separate systems for hourly and non-hourly values – how can that difference be seen in the acknowledgment message when trying to route it correctly?

The presentation is intended as an internal NTC document. But you may use it as a background for the need at least to add Process type to the Entso-E Acknowledgment message. The other issues we can discuss at a future NTC meeting.

BR

Jan