Minutes: NMEG meeting **Date:** Monday April 23rd, 2018 **Time:** 09:00 –11:00 **Place:** GoToMeeting May 22nd, 2018		**NMEG** Nordic Market Expert Group	

Present:
Christian Odgaard, Energinet
Fedder Skovgaard, Energinet
Hans Erik Budde, Elhub
Jan Owe, Svenska kraftnät
Jari Hirvonen, Fingrid
Jon-Egil Nordvik, Statnett (Convenor)
Karsten Feddersen, Energinet
Martin Julander, Sevenska kraftnät
Minna Arffman, Fingrid
Ove Frost Sørensen, Energinet
Ove Nesvik, Edisys (Secretary)

To (NMEG):
Anne Stine Hop, Statnett
Christian Odgaard, Energinet
Fedder Skovgaard, Energinet
Hans Erik Budde, Elhub
Jan Owe, Svenska kraftnät
Jari Hirvonen, Fingrid
Jon-Egil Nordvik, Statnett (Convenor)
Minna Arffman, Fingrid
Ove Nesvik, Edisys (Secretary)

Appendix A: "To remember list"
Appendix B: Overview of the usage of xml-schemas in the Nordic countries
Attachment: None

1 Approval of agenda

The agenda was approved with the following additions:
Review of the update was postponed.

- Publish the Activation Document at www.Ediel.org, see item 0.
- Trade structure master data, see item 17.1 under AOB
- Architectural Decision for the CCC Exchange standard, see item 17.2 under AOB

2 Approval of previous meeting minutes

The minutes from previous meeting were approved with a comment from Jan that Jari was not at the meeting.

3 How to make a "Nordic CIM model" when "NMEG Harmonised data hub pilot project" is closed?

Background: Discussed at NMEG meeting March 2018.

Action(s): Ove will make a proposal for a high-level road map and send it on circulation for comments to NMEG within a few weeks. Finalisation will be set on the next meeting.

What to decided, discuss or inform:
1) Finalise the high-level roadmap at this meeting.
2) Discuss a possible start on a Nordic downstream market BRS based on CIM.

References (links):
1) The draft roadmap is found at [NMEG working documents.](#)
2) Minutes from NMEG meeting March 7th, 2018.

The item was postponed.

4 Status and update of Nordic BRSs and other documents if needed

Background: NMEG is responsible for a set of BRSs that are published at www.ediel.org.

Action(s): None.

What to decided, discuss or inform: Verify that all BRSs are up to date and if not, update it (or them).

References (links): See www.ediel.org.

The item was postponed.

5 BRS for Nordic Operational System – if any issues

Background: The Activation Document will be implemented in Norway and Sweden, first in Sweden (within this year), hence there is a need to update the "Operate BRS" with a CIM based Activation Document.

Action(s):
1) Ove will add a CIM based Activation Document description to the Operate BRS.
2) Fedder and Jon-Egil will ask WG-EDI for the status in the ERRP project.

What to decided, discuss or inform: Verify that the update of the BRSs is OK and publish it at www.ediel.org.

References (links): The draft BRS will be published at [NMEG working documents](#).

Ove had added a CIM based Activation Document description to the Operate BRS. In addition, Ove had noticed that we had noted in Appendix A that we should add a separate process area for reporting when we updated the Operate BRS, hence Ove had split the process area Activate into an Activate and a Report process area. Ove had also aligned the sequence diagram with the UseCases and the activity diagram.

Review of the update was postponed.

5.1 Publish the Activation Document at www.Ediel.org

Ove asked if we should publish the Activation Document and an Ediel version of the urn-entsoe-eu-local-extension-types.xsd, with addition of Document Type Z15 and Reason Type Z20 and Z21?

A decision was postponed until next NMEG meeting, except for the action below:

Action:
- Ove will make MRs for the missing Document Type Code Z15 and Reason Type Codes Z20 and Z21.

6 XML schemas

6.1 NMEG set of schemas

Background:	The NMEG set of schemas, including extended table with TSO columns, are shown in Appendix B.
Action(s):	1) Everyone are asked to find what versions of xml-schemas are used to day in different projects and come up with proposals for new schemas and/or sets of schemas that should be published at www.ediel.org (continued).
What to decided, discuss or inform:	1) Verify that the update of the BRSs is OK and publish it at www.ediel.org.
	2) Verify the list of proposals for new schemas and/or sets of schemas, from the NMEG participants, that should be published at www.ediel.org.
References (links):	1) The draft BRS will be published at NMEG working documents.
	2) The NMEG set of schemas are shown in Appendix B.

The item was postponed.

6.2 CIM based NMEG xml-schemas

Background:	The first draft of Ediel Currency Exchange Rate Document was reviewed at the previous meeting.
Action(s):	Ove will clean up the "ENTSO-E documentation", send the document to NMEG on circulation for comments for 14 days, before publishing the documents.
What to decided, discuss or inform:	Verify that the Ediel Currency Exchange Rate Document is published at www.ediel.org.
References (links):	None.

Ove had as action cleaned up the "ENTSO-E documentation" for the Currency Exchange Document and sent the documents to NMEG on circulation for comments for 14 days. The documents have been published. The item is closed.

7 NMEG CIM based Capacity Document for multiple NEMOs project

Background:	Fedder, Jan, Jari, Jon-Egil, Lene Egeberg-Gjelstrup (Energinet) and Ove had two GoToMeetings March 19th, one in the morning and one in the afternoon, for making a proposal for a CIM based Capacity Document schema to be used for the "multiple NEMOs project".
Action(s):	None.
What to decided,	

discuss or inform: Status for the mini project; "NMEG CIM based Capacity Document for multiple NEMOs project".

References (links):   None.

Below is a summary from the GoToMeeting March 19th.

Present: Annika Karlström, Svenska kraftnät
Fedder Skovgaard, Energinet
Jan Owe, Svenska kraftnät
Jon-Egil Nordvik, Statnett
Lene Egeberg-Gjelstrup, Energinet
Ove Nesvik, Edisys

The topic of the meeting was to come up with a proposal for how to exchange information between the TSOs and the NEMOs related to capacities and flows. The NEMOs has proposed to use the proprietary "PMB format" for the exchange, while the TSOs want to use CIM/XML. The questions discussed was how to send "Last Previous Qty" and different Ramping values (Ramp Limit UP, Ramp Limit Down and Ramping connected to Last Previous Qty) in existing CIM/XML documents from ENTSO-E. The information will in the future be sent from the TSOs to NOIS and from RSC to the NEMOs.

Last Previous Qty:
- Last Previous Qty is needed by the NEMOs to be able to calculate ramping for the time series for the next day.
- The Last Previous Qty must be measured capacity, but it is uncertain if it shall include inter-TSO trade.
- Proposal:
  - Use the CIM/XML Schedule Document (ESS).
  - Use the Business Type **A29 (**AAC = Already Allocated Capacity) for the Last Previous Qty.

Ramping:
- There are several types of Ramping to be sent, i.e. Ramp Limit UP, Ramp Limit Down and Ramping connected to Last Previous Qty.
- There is currently only one Business Type related to ramping; "**B92** Capacity ramping limitation"
- Proposal:
  - Use the CIM/XML Capacity Document.
  - Ask ENTSO-E/WG-EDI for addition of Business Types for the needed types of ramping and possibly a new Measure Unit; e.g. MW/minute

Jon-Egil made, after the meeting, a more detailed description of the proposal, based on the information exchanged in XBID.

From following discussion:
- Fedder informed that the NEMOs didn't like to use a separate document (ESS) for sending the Last Previous Qty and proposed to add an extra repetition of the time series for the Last Previous Qty.
- However, Jon-Egil stressed that this would mean that we must extend the period in the header of the document, which may give extra confusion.

- Fedder showed that the definition of the Period in the Capacity Market Document states "The beginning and ending date and time of the period covered by the document".

Conclusion:
- Fedder will discuss how the Period is meant to be used in the WG-EDI meeting April 24th and 25th and the status will be added to next meeting agenda.

8 Addition of Metered Data Administrator (MDA) to the Harmonised Role Model

Background: Since RMG is put on "low gear", we will make a small memo arguing for the addition of the MDA and send it to the Nordic hubs, asking for their position.

Action(s):
1) Ove will make a memo, arguing for the addition of the MDA to the HRM and send it to NMEG for comments for 14 days.
2) Thereafter Jon-Egil will send the memo to the Nordic hubs.

**What to decided,
discuss or inform:** If agreed by the hubs, the MR (Maintenance Request) for addition of the Metered Data Administrator to the Harmonised Role Model, will be submitted to ebIX® and the Harmonisation Group.

References (links): None.

Ove had made a memo, arguing for the addition of the MDA to the HRM and sent it to NMEG for comments for 14 days. Jon-Egil will send the memo to the Nordic hubs.

9 Review of ebIX® Business Reason Codes used in the in the Nordic countries

Background: NMEG has started to compare codes used in the Nordic countries, starting with Business Reason Codes and thereafter error codes. The comparison of the usage of different code lists between the Nordic countries may at a later stage be a useful input to a Nordic harmonisation process. Hence, the task of comparing code lists will continue.

Action(s): Ove will update the memo with error codes used in Denmark, Finland and Norway (too early for the Swedish hub).

**What to decided,
discuss or inform:** Review of error codes.

References (links): None.

Ove had as action from previous meeting compared the error codes used in Denmark and Norway, and available error codes from ebIX®. In Finland, an ebIX® based acknowledgement document is used in case of errors. However, Ove could not find any error codes in the available documents. It seems that errors are expressed as text, up to 300 characters. Since the memo is focusing on the codes used by the implemented and coming data hubs, it is too early to show Swedish error code usage.

Action:
- Finland will find possible error codes that will be used in the Finish data hub.

10 Further developments for eSett

Background:	NMEG had received a letter from eSett, where eSett ask for NMEG advice on three areas; File compression of larger market messages, Harmonization of the communication protocols and XML messages.
Action(s):	1) Ove will make a draft letter and send it to NMEG for comments for 14 days. 2) Thereafter Jon-Egil will send the letter to eSett.
What to decided, discuss or inform:	Review of possible response from eSett.
References (links):	None.

The draft letter has been sent to eSett. The item is closed.

11 Common file sharing area for NMEG

Background:	Hans Erik has asked if we can get a common file area for the NMEG work, similar to what NRMG/NCEG have had. Hans Erik's experience is that this makes distribution of documents easier, incl. overview and history.
Action(s):	Jon-Egil will contact Nina Kujala at Fingrid.
What to decided, discuss or inform:	Not applicable.
References (links):	None.

The item was postponed.

12 BRS for schedules

Background:	The latest version of the BRS for Schedules was published in February 2014. Since then the scheduling processes has changed and NMEG is working on updating the document.
Action(s):	1) Jan and Fedder will check the dependency matrix for ESS schedule document and ESS confirmation report, chapter 7.1 and 7.3. 2) Fedder, Jan and Jari will verify if "**A09** Finalised" is (will be) used for the ERRP Planned Resource Schedule Document from BRP to SO, or if it is only "**A14** Resource Provider Resource Schedule (Operational schedule)" that will be used (as in Norway), ref. chapter 7.4 in the Schedule BRS; *SvK and Fingrid will be using A14. Energinet is pending.* 3) Everyone should verify and possibly update the "Used in" column in chapter 7.4.3; 4) Jari will find Finnish usages of Business types in chapter 7.4.4; 5) Everyone should verify and possibly update the "dependency matrix" in chapter 7.4.5.
What to decided, discuss or inform:	Review of chapter 7 and the rest of the BRS.
References (links):	The draft BRS can be downloaded from NMEG working documents.

The item was postponed.

13 Status for MRs to ENTSO-E

Background: NMEG has sent several Maintenance Requests (MR) to ENTSO-E during the last years and some of these (about 10 MRs) has been postponed by WG-EDI. In addition, two new MRs were sent to WG-EDI after the previous meeting.

Action(s): 1) Jon-Egil will submit the two MRs (NMEG/2018/135 and NMEG/2018/136) to ENTSO-E/WG-EDI.

**What to decided,
discuss or inform:** Status for the MRs sent to WG-EDI.

References (links): The MRs can be downloaded from NMEG working documents.

The MRs have been submitted – awaiting WG-EDI.

14 Review of Appendix A, "To remember list"

The item was postponed.

15 Information (if any)

NIT has agreed to be home of the NMEG. We should have a common meeting, e.g. half day (same time and place) with NEAT (Nordic Enterprise Architecture Team) to see how we can cooperate.

Action:

- All will discuss possible dates and agenda with their respective NEAT colleagues.

What to do with www.ediel.org? Will be put on the next agenda.

16 Next meeting

1. Thursday May 31st, 09:00 – 15:30, Park In, Gardermoen - to the left when you leave the arrival hall
2. Thursday August 30th, 09:00 – 16:00, Helsinki

17 AOB

17.1 Trade structure master data

Ove informed that there is an ongoing task to making new Trade Structure Master Data documents for NBS (eSett).

17.2 Architectural Decision for the CCC Exchange standard

From discussion:

- There is missing information in the CGMES 2.4.15, such as the Bidding Zone;
- The technical requirements are made in parallel to the gap analysis between the requirements and the CGMES;
- Alternative 1a, 1b and 1c includes Nordic extensions to the current CGMES 2.4.15 and will not be fully aligned with the coming CGMES 2.5;

- Fedder stressed that UseCases, sequence diagrams etc. so far are missing and he would like to see this kind of artefacts before a decision on the standard for data exchange are made;
- Further Fedder informed that there already is a document available that maybe can be used to convey information related to assets in a Bidding Zone, i.e. the Configuration Market Document from 62325-451-6.

Conclusion:
- The RSC project will make requirements, such as UseCases and sequence diagrams and see if there are other standards available for the processes.

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, outside of the transparency platform, 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 considered	TBD
3.	BRS for Operate	• Add "Reporting" as UseCase • Add code for Metered frequency (Z69?) and Hz	TBD

Appendix B Overview of the usage of xml-schemas in the Nordic countries

#	XML schema	BRS	Version used by				
			NBS	**Energinet**	**Fingrid**	**Statnett**	**Svk**
1.	NEG ECAN publication document	NBS BRS for TSO/MO	1.0				
2.	NEG ERRP Reserve Allocation Result Document	a) NBS BRS for TSO/MO b) BRS for Trade	1.0				
3.	NEG Area Specification Document	a) NBS BRS for Master Data b) BRS for Trade	1.0[1]				
4.	NEG Bilateral Trade Structure Document	NBS BRS for Master Data	1.0				
5.	NEG Party Master Data Document	NBS BRS for Master Data	1.0				
6.	NEG Resource Object Master Data Document	NBS BRS for Master Data	1.1				
7.	ENTSO-E Acknowledgement Document	NEG Common XML rules and …	6.0				
8.	ENTSO-E ERRP Planned Resource Schedule Document	NBS BRS for TSO/MO	5.0				
9.	NEG ERRP Planned Resource Schedule Document	BRS for Schedules					
10.	ENTSO-E ERRP Resource Schedule Confirmation Report	BRS for Schedules	No NEG version				
11.	ENTSO-E ESS Anomaly Report	BRS for Schedules	No NEG version				
12.	ENTSO-E Outage document	BRS for Schedules	No NEG version				
13.	NEG ESP Energy Account Report Document	NBS BRS	1.0				
14.	ENTSO-E ESS Confirmation Report	NBS BRS	4.1				
15.	ENTSO-E ESS Schedule Document	a) NBS BRS b) NBS BRS for TSO/MO	4.1				
16.	ebIX® Aggregated Data per MGA for Settlement for Settlement Responsible	NBS BRS	2013pA				
17.	ebIX® Aggregated Data per Neighbouring Grid for Settlement for Settlement Responsible	NBS BRS	2013pA				
18.	ebIX® NEG Confirmation of Aggregated Data per Neighbouring Grid for ISR	NBS BRS	2013pA				
19.	ebIX® Validated Data for Settlement for Aggregator	NBS BRS	2013pA				
20.	NEG ECAN Allocation Result Document	BRS for Trade					
21.	NEG Currency Exchange Rate Document	BRS for Trade					
22.	NEG Auction Specification	BRS for Trade					
23.	NEG Spot Market Bid Document	BRS for Trade					
24.	ENTSO-E ERRP Reserve Bid Document	BRS for Trade					
25.	ENTSO-E ERRP Activation Document	BRS for Operate					

[1] The NBS version 1.0 is using dateTimeType for Validity Start/End (error correction), while the MO version 1.0 is using dateType. dateTimeType will be used from version 2.0.

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