


Minutes: NMEG meeting Date: Wednesday and Thursday November 1 st and 2 nd , 2023 Time: 09:00 – 16:00 and 09:30 – 13:00 Place: GoToMeeting	 NMEG Nordic Market Expert Group
November 6 th , 2023	

Present:

- Bent Atle, Statnett (NBM)
- Christian, Energinet
- Henrik, Energinet
- Jan (DK), Energinet
- Jan (SE), Svenska kraftnät
- Jon-Egil, Statnett (Convenor)
- Ove, Edisys (Secretary)
- Teemu, Fingrid
- Mario, Elhub
- Tuomas P, eSett, FI (via Teams)

To (NMEG):

- Anne Stine, Elhub
- Christian, Energinet
- Henrik, Energinet
- Jan (DK), Energinet
- Jan (SE), Svenska kraftnät
- Jon-Egil, Statnett (Convenor)
- Miika, Fingrid
- Ove, Edisys (Secretary)
- Teemu, Fingrid

CC:

- Bent Atle, Statnett (NBM)
- Fedder, Energinet
- Fredrik, Fingrid
- Hans Erik, Elhub
- Mario, Elhub
- Pamina, Energinet
- Tage, Energinet

To (Invited guests):

- Antti, eSett, FI
- Søren, Nordic RCC
- Tommy, eSett, FI
- Tuomas L, eSett, FI
- Tuomas P, eSett, FI

Appendix A: Overview of Nordic memberships in international standardisation bodies

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

Attachment: Report from the common project between NEX and NBS, which will be used as a basis for the new strategic action: “Establish new ECP requirements”.

1 Approval of agenda

The agenda was approved with the following additions:

- Update requests to NBS BRS documents, see item 12.3.
- New code requests from Statnett, see item 12.8.
- Introduction of BSP in the imbalance settlement (eSett), see item 21.1 under AOB.

2 Approval of previous meeting minutes

The previous meeting minutes were approved after correction of the following statement: “Henrik mentioned that there may be some **configuration compatibility** problems with ECP – probably to be investigated by NEX”.

3 Resolve matters related to close down of ebIX®

Background: ebIX® Forum decided at their meeting March 21st to prepare a plan for the closing of ebIX® by the end of 2023. The close down was confirmed at an ebIX® Forum meeting May 30th.

References (links):

What to decide,

discuss or inform: Discuss and resolve possible consequences NMEG.

From ebIX® Business Group (EBG) meeting October 30th:

At the latest ebIX® Forum meeting, Vlatka informed that the EU DSO Entity are willing to take over the ebIX® work, however it must be approved by the EU DSO Entity board first. This is expected to happen at a board meeting in the beginning of December. Vlatka got as action to arrange a meeting with people from EU DSO Entity and ebIX® to start the hand-over work.

The following approach for the hand-over was suggested:

- 1) Walk through an overview of the ebIX® BRSs
- 2) Detailed walkthrough one (or more) of the BRSs.
- 3) Make a new BRS:
 - a. Best would be making a new BRS for a process not yet covered by a BRS.
 - b. An alternative may be making a new BRS with a well-known process, like change of supplier, from scratch.

It was proposed to ask the ebIX® Forum for some money to use next year for education the EU DSO Entity in the making of BRSs.

The JWG (Joint EU DSO Entity and ENTSO-E workgroup) has been established and had its first meeting.

4 NMEG roadmap

The roadmap had been updated after our previous NMEG meeting. The following two sub items will be a fixed item on the coming NMEG meeting under item “8, Status from NEX (Nordic ECP/EDX Group)”.

4.1 How to handle the new strategic action: “Establish new ECP requirements”?



From the NMEG roadmap:

NMEG will establish new ECP requirements to be sure that ECP will be compliant with the future TSO needs.

Jon-Egil informed that the task is more-or-less done through the common project between NEX and NBM. We “just” must make the requirements.

The report from the common project between NEX and NBM will be distribute together with the minutes from this meeting.

4.2 How to handle the new strategic action: “Establish a secure Nordic Communication platform”?



From the NMEG roadmap:

NMEG will together with the Nordic TSOs specify and establish a secure Nordic Communication platform for secure information exchange between the Nordic TSO organisations in case of a major IT incident and/or any secure communication need between the Nordic TSOs.

Jon-Egil informed that the new strategic action: “Establish a secure Nordic Communication platform” is making a new ECP infrastructure that is independent of internet, like the “Electronic highway”. The actual work will mainly be done by NEX. NEMG will follow the work at the regular meetings.

5 NMEG recommendation for usage of ECP

See discussion under item 20.1 (under AOB) in meeting minutes from NMEG meeting October 12th. The conclusion from previous meeting was that: “we will discuss at our next meeting if we can make a NMEG recommendation for usage of ECP”.

All had as homework to verify if it exists any policy for usage of ECP by (between) external actors in their country.

Jon-Egil informed: If two actors (non TSOs) want to communicate between each other using ECP, they may want to use the Statnett’s “broker”, hence Statnett would like to know who uses their broker, for what, how much and when. Statnett is encouraging the actors to use ECP.

Henrik and Teemu informed that also Denmark and Finland encourage (in Denmark almost requires) the actors to use ECP for every new communication.

Conclusion:

- We continue at the next NMEG meeting with the intention to make a NMEG ECP recommendation.

6 Message for control of load in a Metering Point (from Fingrid)

Requirements will be collected next year, hence for the moment postponed (kept as a to remember item).

7 Ediel.org Mysql issue

www.ediel.org was down for some hours in July. It seems like the issue was around Mysql, the Mysql user we were using was deleted since it was under an old domain - 96873_edieltest - (edieltest.org).

It is working now, but we should setup a new mysql directly under the Ediel.org domain and move the tables/data from the old DB over.

Continued action:

- Teemu will see if he can setup a new mysql directly under the Ediel.org domain and move the tables/data from the old DB over.

8 Status from NEX (Nordic ECP/EDX Group)

Background: NIT has taken over the responsibility for NEX (Nordic ECP/EDX Group), former "ECP/EDX Centre of Excellence". However, the group is still below NMEG in the "formal hierarchy". NMEG will be kept informed of progress in the group.

References (links):

What to decide,

discuss or inform: Status from NEX.

The item was dealt with under item 4 above.

9 Nordic RCC

Background: The Nordic RCC is working on TSO data exchange regarding Long-term Capacity Calculation process and need changes to ESMP and CIM.

References (links): None.

What to decide,

discuss or inform: Update of ESMP and CIM based on Nordic RCC needs.

Nothing reported.

10 Support to the NBM project

Background: The NBM-project (Nordic Balancing Model) is going forward and there is a need for a number of new CIM based documents.

References (links): <http://nordicbalancingmodel.net/>

What to decide,

discuss or inform: Status for the NBM project and possible task for NMEG.

10.1 CIM master data documents for NBM based on NBS master data documents

Status for circulation of comments to NBM/Fifty/Unicorn for new CIM based master data documents for Portfolio master data document, Resource master data document and Party master data document.

The memo “NMEG CIM master data documents” was updated:

- NMEG CIM Portfolio Master Data Document:
 - BZ_Domain was renamed to Connecting_Domain.
 - RegisteredResource mRID and Aggregated_RegisteredResource mRID was changed to be of type ResourceID_String.
- NMEG CIM Resource Master Data Document:
 - RegisteredResource mRID and Aggregated_RegisteredResource mRID was changed to be of type ResourceID_String.
 - mRID in Aggregated_RegisteredResource was made optional.
 - The association from RegisteredResource to Party_MarketParticipant was removed.
 - BZ_Domain was renamed to Connecting_Domain
 - MGA_Domain was removed

Continued action:

- Jon-Egil will investigate within CIM WG if they have a good place for “ECP endpoint”, “EDX service” and “Allowed email domains: string”
- Jan (SE) will investigate within WG16 if they have a good place for “ECP endpoint”, “EDX service” and “Allowed email domains: string”

10.2 Status for new document for FCR (Reserve) Bid Document

The item was postponed.

11 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 CIM WG.

References (links): The MRs can be downloaded from Statnett’s eRoom.

What to decide, discuss or inform: Review and update of statuses in NMEG MR Overview document.

Status:

MR #		Status
NMEG 2022/201	Rename Asset Type B25 to “ B25 Permanent energy storage”	<p>20220321:</p> <ul style="list-style-type: none"> • Sent to Jon-Egil for forwarding to CIM WG <p>20220823:</p> <ul style="list-style-type: none"> • Forwarded to WG16, proposed having permanent and temporary as separate codes in PSRType. <p>20221006:</p> <ul style="list-style-type: none"> • Ongoing <p>20230124:</p> <ul style="list-style-type: none"> • Still ongoing

MR #		Status
		<p>20230222:</p> <ul style="list-style-type: none"> • Action: Jon-Egil will ask Alvaro for a status. <p>20230411 and 20230830:</p> <ul style="list-style-type: none"> • Continued action for Jon-Egil: to ask Alvaro for a status. <p>20231101:</p> <ul style="list-style-type: none"> • There will be no rename of this code. • A new code will be created: B54 Permanent energy storage • Item closed
NMEG 2022/202	Add Asset Type “B?? Temporary energy storage”.	<p>20220321:</p> <ul style="list-style-type: none"> • Sent to Jon-Egil for forwarding to CIM WG <p>20220823:</p> <ul style="list-style-type: none"> • Forwarded to WG16, proposed having permanent and temporary as separate codes in PSRType <p>20221006:</p> <ul style="list-style-type: none"> • Ongoing <p>20230124:</p> <ul style="list-style-type: none"> • Still ongoing <p>20230222:</p> <ul style="list-style-type: none"> • Action: Jon-Egil will ask Alvaro for a status. <p>20230411:</p> <ul style="list-style-type: none"> • The MR was reviewed and updated. • Action: Jon-Egil will re-submit the MR to CIM WG. <p>20230830:</p> <ul style="list-style-type: none"> • The MR has been resubmitted, however no result yet. <p>20231101:</p> <ul style="list-style-type: none"> • There will be no rename of this code. • A new code will be created: B53 Temporary energy storage • Item closed
NMEG 2022/205 (CIM WG)	Addition of a Category attribute to TimeSeries in IEC62325 and ESMP	<p>20220907:</p> <ul style="list-style-type: none"> • Forwarded by Ove to Jon-Egil for submission to CIM WG <p>20221006:</p> <ul style="list-style-type: none"> • Ongoing <p>20221031:</p> <ul style="list-style-type: none"> • The MR is awaiting approval in the ENTSO-E ESMP SG before it is sent to CIM EG, hence it will probably still take a few weeks before it is handled <p>20230124:</p> <ul style="list-style-type: none"> • Not agreed – Jon-Egil, Jan (SE) and Alvaro will draft a new proposal. • To be continued <p>20230222:</p>

MR #		Status
		<ul style="list-style-type: none"> • Ongoing <p>20230411, 20230830 and 20231101:</p> <ul style="list-style-type: none"> • Ongoing
NMEG 2023/206 (CIM WG)	Change version number for documents where Measure_unit is used in ESMP	<p>20230126:</p> <ul style="list-style-type: none"> • Sent to Jan (SE), Bent Atle and Jon-Egil for QA before submission to CIM WG. <p>20230222:</p> <ul style="list-style-type: none"> • Ongoing <p>20230411:</p> <ul style="list-style-type: none"> • The MR was reviewed and updated. • Action: Jon-Egil will submit the MR to CIM WG. <p>20230830:</p> <ul style="list-style-type: none"> • The MR has been resubmitted, however no result yet. <p>20231101:</p> <ul style="list-style-type: none"> • Rejected • Item closed
NMEG 2023/207 (CIM WG)	Add version number to the class diagrams in ESMP	<p>20230126:</p> <ul style="list-style-type: none"> • Sent to Jan (SE), Bent Atle and Jon-Egil for QA before submission to CIM WG. <p>20230411:</p> <ul style="list-style-type: none"> • The MR was reviewed and updated. • Action: Jon-Egil will submit the MR to CIM WG. <p>20230830:</p> <ul style="list-style-type: none"> • The MR has been resubmitted, however no result yet. <p>20231101:</p> <ul style="list-style-type: none"> • Approved • Item closed
NMEG 2023/208 (CIM WG)	Add New Asset types (psrTypes) - based on rejected MR 197.	<p>20230308:</p> <ul style="list-style-type: none"> • Sent to Jan (SE) and Jon-Egil for QA before submission to CIM WG. <p>20230411:</p> <ul style="list-style-type: none"> • The MR was reviewed without any changes. • Action: Jon-Egil will submit the MR to CIM WG. <p>20230830:</p> <ul style="list-style-type: none"> • The MR has been resubmitted, however no result yet. <p>20231101:</p> <ol style="list-style-type: none"> 1) Commercial operational load: Rejected not an asset 2) Electric vehicle battery: Approved B55 3) Private heat pumps: Rejected, but we got three new codes, which may be used instead: “B56 Heat pump specified (which will be corrected to unspecified)”, “B57 Heat pump electrical” and “B58 Heat pump absorption” 4) Reserve power Approved “B5 Auxiliary power unit”

MR #		Status
		5) Cogeneration (Combined Heat and Power) Rejected , use “B42 Thermal internal combustion engine” instead 6) Commercial load (industry): Rejected not an asset <ul style="list-style-type: none"> Item closed.
NMEG 2023/209 (CIM WG)	Increase the cardinality between RegisteredResource and MarketParticipant.	20230622: <ul style="list-style-type: none"> Sent to Jan (SE) for QA before Jon-Egil submits the MR to CIM WG. 20230830: <ul style="list-style-type: none"> The MR has been submitted, however no result yet. 20231101: <ul style="list-style-type: none"> Rejected: It was instead suggested listing the MarketParticipant through the association between MktActivityRecord and MarketParticipant Item closed
NMEG 2023/210 (CIM WG)	Extended FinancialSettlementReport (FSKAR).	20231101: <ul style="list-style-type: none"> Rejected: Since the FSKAR was made for central Europe. Action: Jon-Egil will discuss with Alvaro and FSKAR colleagues from central Europe to see if they see a problem in the extension.

The MR NMEG 2023/209 was discussed, and it was agreed that the association can be removed from our CIM Resource Master Data document.

Action:

- Jan (SE) will investigate how to handle rejected code requests from MR NMEG 2023/208 (CIM WG):
 Commercial operational load: **Rejected:** not an asset.
 Private heat pumps: **Rejected:** However, we got three new codes that may be used instead:
 “B56 Heat pump specified (which will be corrected to **unspecified**)”,
 “B57 Heat pump electrical” and
 “B58 Heat pump absorption”.
 Commercial load (industry): **Rejected:** not an asset.

12 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.
References (links): None.
What to decide, discuss or inform: Update of BRSs and other documents if needed.

12.1 Exchange of settlement information between the Nordic TSOs – prioritised item

Background: Svenska kraftnät is using an older ebIX® based xml document towards two TSOs and plan using a newer ebIX® and CIM based document towards a third TSO. The codes used for the two older xml exchanges are ebIX® codes, while the third TSO wants to use ENTSO-E codes.

An alternative is using the EAR (Energy Account Report) document, which among others is used between Energinet and TenneT and expect it to be used for the Viking-link.

References (links):

None.

What to decide,

discuss or inform:

Making an NMEG BRS for TSO-TSO settlement, describing common exchanges of settlement information between the Nordic TSOs, instead of having bilateral agreements.

Since eSett is using the ENTSO-E ESP Energy Account Report message (EAR), a namespaced version of EAR version 1.2, it would be relevant to get input from eSett regarding their possible updates and change to CIM.

Since we will do updates due to changes from 60 minutes to 15 minutes resolution, why not also do something about the exchange of e.g. MSCONS messages to something more modern”.

No comments received – to be continued.

12.2 Update of NBS BRS with the option of sending negative losses

Status for update of NBS BRS, “5.2 NEG (ebIX® based) Aggregated Data per MGA (E31, E44) – consumption”:

- a) Shall we remove the note saying that quantity can be negative for Business Type **A07**:

Note:

- Business type “**A07** Net production/ consumption” **uses signed values, i.e. will be negative when pumping.**

Continued action:

- Jon-Egil will verify if Norway is sending negative **A07**
- b) Can we Replace Process Type “**Z05** Bilateral Trade” with “**A59** Internal trade reporting”
- To be investigated when we can Replace Process Type “**Z05** Bilateral Trade” with “**A59** Internal trade reporting” in NBS BRS, “5.2 NEG (ebIX® based) Aggregated Data per MGA (E31, E44) – consumption”.

From Tuomas November 17th, 2022:

We’ll most likely need a transition phase (several months) where BRPs may use either old code **Z05** or new code **A59** as sudden ‘forced’ go-lives have proven to be difficult.

- This might not need to impact the BRS, but only eSett on a system level.
- ‘A forced go-live’ is however necessary for reporting from eSett back to market parties, as we need to decide what code we should apply during different time frames.

I support that we’ll do this change, but first we’ll need to plan it, communicate it clearly to market and give them enough time to react and adjust on their end.

Ove had as action asked Tuomas for a plan regarding item b) above, i.e. for when we update the NBS BRS and when the transition period will be, with the following response:

We discussed the topic of process type change together with our TSO expert group on 9th of February.

It was concluded that the change can be done earliest in H1/2024 and in two phases with adequate transition period. Transition period meaning in this case that both Z05 and A59 are supported during some interim period.

There were remained some open questions as some of the TSOs need to discuss both internally and with their vendors before committing to a more detailed time plan.

Hopefully, I can get back to this topic with more accurate plans soon once we have received replies from the TSOs.

Conclusion from meeting February 22-23, May 23rd and November 1st, 2023:

- We must await more info from Tuomas.

Item b) was handled under item 12.3, hence item b) is closed.

12.3 Update requests to NBS BRS documents

Tuomas had informed that eSett and TSOs have made together some plans that require also changes to NBS BRS documents. Some of which you may already be aware of and others that could be new.

The timelines here are currently estimates, but if you don't find any issues with these updates, eSett will take care of informing the market with the proper timings.

12.3.1 Bilateral Trade process type update from Z05 to A59

ENTSO-E ESS Schedule Document & ENTSO-E ESS Confirmation Report

NBS BRS & NBS BRS for TSO-MO

- TSOs have agreed that we can proceed with this.
- eSett can/will support the new code “**A59** Internal trade reporting” starting approximately from beginning of 2024 alongside with the current code “**Z05** Bilateral trade”.
 - *ENTSO-E ESS Schedule Document*
- We need to support both types for about 12 months starting from when we announce the change, so probably until end of 2024.
 - During this transition period, eSett will continue to use “**Z05** Bilateral trade” when reporting from eSett to market participants.
 - *ENTSO-E ESS Confirmation Report*



Figure 1 Estimated approach for the code change.

Action:

- Ove will add “**A59** Internal trade reporting” in ENTSO-E ESS Schedule Document & ENTSO-E ESS Confirmation Report in both NBS BRS & NBS BRS for TSO-MO. In addition a footnote will be added Z05 will be valid from one year after announcement from eSett, approximately until the end of 2024.

12.3.2 [New and changing asset types](#)

NEG (eBIX® based) Aggregated Data per MGA (E31, E44) - production & Ediel (NEG) Resource (Production Unit) Master Data Document

NBS BRS & NBS BRS for Master Data

Production unit types	Current asset type code	New asset type code	Notes
Consumption	Z07 (Consumption)	A05 (Load)	
Hydro	Z06 (Hydro)	B31 (Hydro unspecified)	
Nuclear	B14 (Nuclear unspecified)	B14 (Nuclear unspecified)	No change
Other	B20 (Other unspecified)	B20 (Other unspecified)	No change
Solar	B16 (Solar unspecified)	B16 (Solar unspecified)	No change
Thermal Power	Z04 (Thermal)	B37 (Thermal unspecified)	
Wind (onshore)	Z05 (Wind)	B19 (Wind onshore)	
Wind (offshore)		B18 (Wind offshore)	New
Energy storage		B25 (Energy storage)	New

Table 1 Table 1 Summary table of asset type changes.

- Requested changes are summarized in the table.
- eSett plans to support:
 - both old and new asset types approximately from beginning of 2024.
 - new asset types approximately from beginning of 2024.
- We need to support both old and new types for about 12 months starting from when we announce the change, so probably until end of 2024.

- During this transition period, eSett will continue to use “Z-codes” when reporting from eSett to market participants.

Action:

- Ove will update the NEG (ebIX® based) Aggregated Data per MGA (E31, E44) - production & Ediel (NEG) Resource (Production Unit) Master Data Document in both NBS BRS & NBS BRS for Master Data (including the user guides) according to the table above. In addition a footnote will be added previous codes will be valid from one year after announcement from eSett, approximately until the end of 2024.

12.3.3 Energy storage attribute for consumption

NEG (ebIX® based) Aggregated Data per MGA (E31, E44) – consumption & NEG Party Master Data Document

NBS BRS & NBS BRS for Master Data

- There is a need to be able to specify energy storage also in consumption reporting, as energy storage is coming for production (see point 2), and it can be used either as production or consumption.
- Proposal: the asset type (currently optional for *NEG (ebIX® based) Aggregated Data per MGA (E31, E44) – consumption*) could be used when reporting consumption for energy storage.
 - Reason: There is no appropriate business type for energy storage in the code list.

See an example added for the dependency matrix in 5.2.3:

Description	Settlement method	Business type	Asset type	Production type
Metered consumption in an MGA	E02 Non-Profiled E15 Flex settled	A04 Consumption (general consumption) A07 Net production/consumption (Pumped storage (from combined generator/pump - only in Norway)) A72 Interruptible Consumption (only in Sweden) B28 Large installation consumption B27 Pumped (only in Norway) B36 Production Units own consumption (Only used in Finland)	Not used	Not used
Total profiled consumption	E01 Profiled	A04 Consumption (general consumption)	Not used	Not used
Pumped (only in Norway)	E01 Profiled	B27 Pumped (only in Norway)	Not used	Not used
Metered grid losses	E01 Non-Profiled E15 Flex settled	A15 Losses	Not used	Not used
Profiled grid losses	E01 Profiled	A15 Losses	Not used	Not used
Metered energy storage	E02 Non-Profiled E15 Flex settled	A04 Consumption (general consumption)	Energy storage	Not used

Table 2 Addition of energy storage for consumption reporting.

- The *NEG Party Master Data Document* seems to be more tricky as the XSD doesn't seem to support asset type.
 - The asset type could be added there also as an optional attribute.
 - If you have some other "trick" how to incorporate energy storages there without XSD update, I'd like to hear about it.

Action:

- Ove will add Metered energy storage to the last row of the dependency matrix in 5.2.3, i.e. to the NEG (ebIX NEG (ebIX® based) Aggregated Data per MGA (E31, E44) – consumption Document in NBS BRS (including the user guides).
- Add AssetType attribute including the code **B25** to the NBS BRS for Master Data, the schema and the user guide. To be used only together with Business type **A04**

12.4 Status for new Nordic extended Schedule Outage Market Document

Postponed.

12.5 Update of NMEG code list

The following definitions were proposed for the new Nordic Market Product types **Z02** and **Z03**:

Code	Name	Description
Z02	Dynamic FCR-D product	<p>The dynamic frequency containment reserves (FCR-D) upwards regulation product is activated in the interval 49.9 Hz to 49.5 Hz. The activation within the interval 49.9 to 49.5 Hz must be proportional to the frequency deviation. At a frequency of 49.9 Hz, 0% of the Dynamic FCR-D upwards capacity shall be activated, and at frequencies equal to or below 49.5 Hz, 100% of the Dynamic FCR-D upwards capacity shall be activated.</p> <p>The Dynamic FCR-D downwards regulation product is activated in the interval 50.1 Hz to 50.5 Hz. The activation within the interval 50.1 to 50.5 Hz must be proportional to the frequency deviation. At a frequency of 50.1 Hz, 0% of the Dynamic FCR-D downwards capacity shall be activated, and at frequencies equal to or above 50.5 Hz, 100% of the Dynamic FCR-D downwards capacity shall be activated</p>
Z03	Static FCR-D product	<p>The static frequency containment disturbance reserves (FCR-D) upwards regulation product is activated in the interval 49.9 Hz to 49.5 Hz. The activation within the interval 49.9 to 49.5 Hz must be proportional or close to proportional to the frequency deviation. At a frequency of 49.9 Hz, 0% of the Static FCR-D upwards capacity shall be activated, and at frequencies equal to or below 49.5 Hz,</p>

Code	Name	Description
		<p>100% of the Static FCR-D upwards capacity shall be activated.</p> <p>The Static FCR-D downwards regulation product is activated in the interval 50.1 Hz to 50.5 Hz. The activation within the interval 50.1 to 50.5 Hz must be proportional or close to proportional to the frequency deviation. At a frequency of 50.1 Hz, 0% of the Static FCR-D downwards capacity shall be activated, and at frequencies equal to or below 50.5 Hz, 100% of the Static FCR-D downwards capacity shall be activated.</p>

Action

- Ove will update and publish NMEG the code list.

12.6 BRS for settlement not handled by eSett or the Nordic data hubs

After a short brainstorming it was agreed not to spend time on a BRS for settlement not handled by eSett or the Nordic data hubs for the time being.

12.7 Ediel ERRP Reserve Allocation Result Document in NBS BRS for TSO-MO

The item was postponed.

12.8 New code requests from Statnett

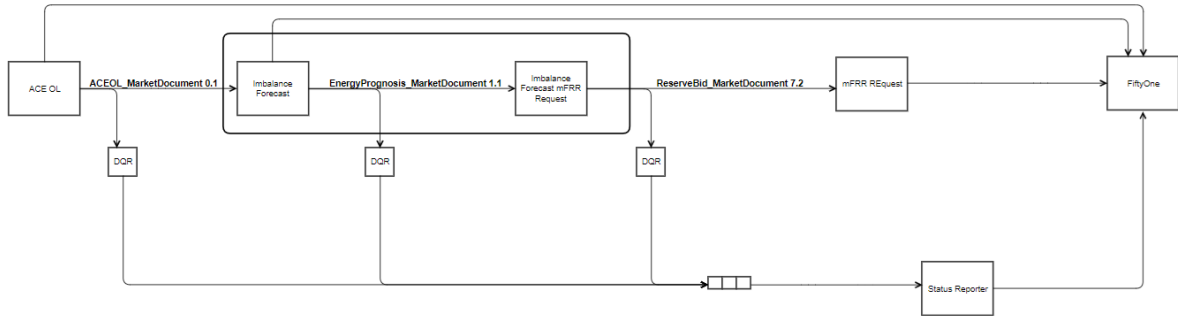
Jon-Egil has asked for the following Reason code, which were agreed:

Code	Name	Description
Z83	Unspecified non-standard bids	Unspecified non-standard bids are used when BSPs submit bids that are not standard products (which are not going to the AOF (Activation optimisation function) or are "disturbance reserves". It could be that they are too slow, that they do not have an e-order, that they have unsupported limitations such as minimum activation time, etc. I.e. this is the bids that are left after normal verification.

Stein-Ole has asked for the following Business type code a long time ago, hence at this meeting a definition was drafted:

Code	Name	Description
Z76	Day ahead prices used for CZC forecast calculation	Day ahead prices used for Cross Zonal Capacity forecast calculation

Jon-Egil asked for addition of a quality flag in the Point class in the Reserve Bid Market Document, ref. the picture below:



GRATIS PRØVEVERSJON

Du har 12dager igjen av den gratis prøveperioden av [programtillegget Confluence for Gliffy](#)
[Kjøp en lisens](#) | [Admins, fyll inn din Gliffy.my.atlassian.com-lisens UPM](#)

Background

ACE OL and Imbalance Prognosis messages have a placeholder for **quality** on Point level. This information is used to alert Operator (Landsentralen) when quality deteriorate below level which is functionally acceptable for automatic balancing process. Business Owners of the AutoBal project has requested that similar quality information is conveyed for mFRR Request messages

After some discussions it was agreed making a MR for this.

Action:

- Ove will make a draft MR for addition of a quality flag in the Point class in the Reserve Bid Market Document based on input from Jon-Egil.

13 Status for Swedish Flexibility project

Background: Sweden has two ongoing “Flexibility projects” that now want to use CIM based messages for the exchanges to/from the flexibility platforms. Among others one called Stockholm flex where Vattenfall is candidate for making CIM documents for the project(s). To keep document exchanges as harmonised as possible in the Nordic countries, NMEG has offered them NMEGs help in making the needed CIM based xml schemas.

References (links): None.

What to decide, discuss or inform: Status report from Jan (SE).

The project is ongoing. However, Jan (SE) hasn’t followed it closely lately, hence nothing new reported.

14 Common European Area project

Background: eBIX® has proposed a project plan for a common European Area project. eBIX®, ENTSO-E (CIM WG) and ENTSG has confirmed participation, and the new EU DSO Entity is trying to fine member(s).

References (links):

**What to decide,
discuss or inform:** Status for the project.

Awaiting a discussion in JWG (EU DSO Entity and ENTSO-E joint workgroup).

15 XML schemas

Background: The NMEG set of schemas, including extended table with TSO columns, are shown in Appendix B.
When we start a project together with NBM (Nordic Balancing Model), 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.

References (links):

**What to decide,
discuss or inform:** Verify the list of proposals for new schemas and/or sets of schemas, from the NMEG participants, which should be published at www.ediel.org.

Ongoing task:

- All 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 added to Appendix B and be published at www.ediel.org.
- Ove will update the table based on NBM documentation received from Bent Atle (NBM/Fifty), when the NMEG BRs are updated with NBM documents.

16 NMEG CIM-XML Subgroup

Background: At the NMEG meeting November 2019, it was agreed to establish a NMEG CIM-XML Subgroup that will make Nordic CIM based XML documents. The following tasks are prioritised (updated at NMEG meeting March 2020):

- ~~a) Update the NMEG model with the latest ebIX[®] extension.~~
- ~~b) Make a road map for making CIM documents for the Danish Datahub version 3.0.~~
- c) NBS documents:
 1. NBS ebIX[®] based documents.
 2. NBS documents based on older ENTSO-E schemas.
 3. NBS master data documents.
- d) NBM master data documents

The members of NMEG CIM-XML Subgroup are Bent Atle, Christian, Henrik, Jan (DK), Jan (SE), Teemu and Ove.

References (links):

**What to decide,
discuss or inform:** Status for looking into making CIM based document to replace the ebIX[®] XML documents used towards eSett today.

The “NMEG CIM-XML Subgroup” was renamed to “NMEG Technical Committee (NTC)”

16.1 CIM for NBS

The item was postponed.

17 Addition of an “archive folder” at Ediel.org

Continued action:

- Teemu will try making an “archive folder” where older documents are stored, i.e. every time a new document version is uploaded to the document folder, the old version is move to the archive folder.

18 Review of documents from CIM WG subgroups and IEC groups

Background: At the NMEG meeting August 2020 it was agreed that NMEG needs to be more proactive regarding commenting on new ENTSO-E and IEC documents. Hence it is added a fixed item on the NMEG agenda for review of documents from CIM WG subgroups and IEC groups that is of interest for the Nordic market.

References (links):

What to decide,

discuss or inform: Review of documents from CIM WG subgroups that is of interest for the Nordic market.

Nothing reported.

18.1 Prepare Nordic positions before coming CIM WG meetings

None.

19 Information (if any)

Jon Egil informed that Energinet has developed an alternative to the Unicorn Mades (ECP) End Point in the GO language that is 100 times faster than and uses 100 times less resources than the alternative from Unicorn. Energinet and Statnett will run a pilot project to test it out.

Henrik will make a status presentation at our next meeting.

20 Next meetings

NMEG:

- Tuesday December 5th, 10:00 – 15:00, GoToMeeting
 - Dynamic dimensioning by Henrik.
- Tuesday January 9th and Wednesday January 10th at Svenska kraftnäts offices in Sundbyberg (Stockholm)
- Monday February 5th, 10:00 – 15:00, GoToMeeting
- Tuesday March 12th and Wednesday March 13th at Fingrid’s offices in Helsinki

NMEG CIM XML subgroup:

- No meetings planned.

21 AOB

21.1 Introduction of BSP in the imbalance settlement (eSett)

Jan (SE) informed that the BSP is expected introduced in Sweden during next year. For instance the BSP should report what he has activated (or not activated) to eSett and maybe in addition to the TSO.

Tuomas informed that eSett is working on the introduction of BSPs at eSett. We will come back to the issue when it is more mature.

Appendix A Overview of Nordic memberships in international standardisation bodies

Name	Member of
Anders (SE)	CGMES, ESMP
Anne Stine	NMEG, ebIX®
Christian	NMEG, ebIX® observer (?)
Fedder	NMEG, CIM WG, IEC/WG16, CSSG, EEAT, ENTSO-E CIM tools, CIO/LIO
Jan (DK)	NMEG, IEC/WG16
Jan (SE)	NMEG, HG, ebIX®, IEC/WG16+14, ESMP, TFD, TK57
Jon-Egil	NMEG, CIM WG, IEC/WG16, ESMP, CCC, CIO/LIO, NEK, TPC, TFD
Martin (SE)	CCC
Miika	CIM WG, NEX
Moustafa (SE)	CGMES
Oscar	CIO/LIO, ebIX®, CIM WG, TK57
Ove	NMEG, HG, ebIX®, IEC/WG16, NEK
Svein (NO)	IEC/WG14+13, CGMES
Teemu	NMEG, CIM WG, EBG, ETC, CIO/LIO

Abbreviations:

CCC	Coordinated Capacity Calculation (project under CIM WG)
CGMES	Common Grid Model Exchange Standard (subgroup under CIM WG)
CIO/LIO	Central Issuing Office / Local Issuing Office
CSSG	Communication Standards (subgroup under CIM WG)
Dc	ENTSO-E Digital committee
EBG	ebIX® Business Group
EEAT	ENTSO-E Enterprise Architecture Team (subgroup under Dc)
ESMP	European Style Market Profile (subgroup under CIM WG)
ETC	ebIX® Technical Committee
HG	ebIX®, EFET and ENTSO-E Harmonisation Group
MC	ENTSO-E Market Committee
MIT	Market Integration and Transparency (subgroup under MC)
NEK	Norsk Elektroteknisk Komite

NEX	Nordic ECP/EDX Group
TFD	ENTSO-E Task Force Data Interoperability and Access,
TK57	Teknisk Kommitté 57
TPC	Transparency Platform Coordinators (subgroup under MIT)

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

#	XML schema	BRS	Version used by					
			NBS	NMA	Energinet	Fingrid	Statnett	Svk
1.	NEG ECAN publication document	NBS BRS for TSO/MO	1.0					1.0, 7.0
2.	NEG ERRP Reserve Allocation Result Document	a) NBS BRS for TSO/MO b) BRS for Trade	1.0					1.0
3.	NEG Area Specification Document	a) NBS BRS for Master Data b) BRS for Trade	1.0 ¹	2.0 (CIM)				
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					7.0 (not complete)
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					5.0
15.	ENTSO-E ESS Schedule Document	a) NBS BRS b) NBS BRS for TSO/MO	4.1					5.0

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.

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							1.0
25.	ENTSO-E ERRP Activation Document	BRS for Operate							5.0 (not complete)
26.	Capacity Market Document	????							7.1, 8.0