

<b>Minutes:</b> NMEG meeting <b>Date:</b> Wednesday January 13 <sup>th</sup> <b>Time:</b> 10:00 – 12:00 and 13:00 – 15:00 <b>Place:</b> GoToMeeting	 <b>NMEG</b> Nordic Market Expert Group
January 15 <sup>th</sup> , 2021	

**To (NMEG):** Christian, Energinet  
Jan (DK), Energinet  
Jan (SE), Svenska kraftnät  
Jon-Egil, Statnett (Convenor)  
Miika, Fingrid  
Mika, eSett, FI  
Ove, Edisys (Secretary)  
Tage, Energinet  
Teemu, Fingrid

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

**CC:** Audun, Elhub  
Bent Atle, Statnett (NBM)  
Fedder, Energinet  
Hans Erik, Elhub  
Minna, Fingrid

**To (Invited guests):** Mika, eSett, FI  
Tommy, eSett, FI  
Tuomas L, eSett, FI  
Tuomas P, eSett, FI

**Appendix A:** Overview of Nordic memberships in international standardisation bodies

**Appendix C:** 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:

- MR to eBIX® (EBG) for addition of Metering interval and Reporting interval, see item 20.1 under AOB.
- Regulation of normal balance regulation market bids based on "Period Shift", see item 20.2 under AOB.

## 2 Approval of previous meeting minutes

The previous meeting minutes were approved after correction of some spelling errors found by Jan (SE).

## 3 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.

Miika reported the status:

- Upgrade of ECP to version 4.7.2.
- Common terms of use for ECP, stating what each part shall be able to do. The basis for the common document will be a Statnett document.
- Failover routing related to NBM and Fifty – i.e. how to handle faults in components in the network and possible loss of messages.

**Continued action:**

- NEX will investigate if NEX should have their own folder at [www.ediel.org](http://www.ediel.org), like the NBS (eSett) folder.

## 4 NMEG-NORCAP Project

**Background:** NORCAP is a project run by Nordic RSC that needs a set of new CIM based documents, such as the CRAC document and the SIPS document.

**References (links):** None.

**What to decide, discuss or inform:** Update of the NorCap BRS.

**Ongoing task:**

- Jon-Egil will inform Ove of which documents that will contain the new resolution (P1D)
- Thereafter Ove will update the BRS and upload it to Statnett's eRoom

## 5 Status for a common meeting with NEAT

**Background:** NIT has taking over from MSC as "home" for NMEG and consequently we should have a common meeting with NEAT (Nordic Enterprise Architecture Team), e.g. half day (same time and place) to see how we can cooperate.

**References (links):** None.

**What to decide, discuss or inform:** Status for a common meeting with NEAT.

**Ongoing task:**

- Jon-Egil will check if it still is any interest for a common meeting with NEAT and if so, schedule a common meeting.

## 6 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.

**Pending list (to remember items):**

- NBM ACE OL documents and Measurement Value Market Documents will be added to the Nordic Operate BRS;
- NBM Capacity Market Documents will be added to the BRS for Determine Transfer Capacity;
- NBM "Reserve Bid Market Document (Plan mFRR Bid)" will be added to the BRS for schedules, the BRS for Nordic Trading System or elsewhere – to be decided.

## 7 MR to ebIX® (EBG) for extended association between MktActivityRecord and DateAndOrTime

**Background:** A request for addition of an association to a "Supply Start Date" related to the Energy Supplier in an AP in the Alignment of AP characteristics process (based on Danish needs) was discussed at an ETC meeting Tuesday September 15<sup>th</sup>.

- It was agreed that the requirement should be sent to EBG and added to the ebIX® BRS(s) before a MR is sent to IEC.
- It was also noted that there already is a need for more than one association between MktActivityRecord and DateAndOrTime, according to the latest BRS for Alignment of AP characteristics. I.e. a Snapshot Date and a Validity Start Date.
- Hence, Jan (SE) and Ove got the following action from ETC:
  - Jan (SE) and Ove will investigate why we need the Supply Start Date and write a MR to EBG. The MR will include the text:

*"In the Nordic countries we need the start date for the current supplier in addition to the Validity Start Date for the set of AP characteristics".*

**References (links):** None.

**What to decide, discuss or inform:** Making a MR to EBG.

Jan (SE) and Ove are working on a MR to EBG asking for an association named "Supply Start Date" related to the Energy Supplier in an AP in the Consented request for AP characteristics process (based on Swedish needs).

**Information from after the meeting:**

- The MR has been submitted to EBG.

This item will in the future be a status for MRs to eBIX®. Item closed.

**8 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.

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

**What to decide, discuss or inform:** Review of the MRs left from previous meeting.

Status for MR NMEG/2020-187 Asking for addition of Process Type in the Market Document class and changing the order of the attributes in the Series\_Period class in the Energy Prognosis Document.

**Continued Action:**

- Jon-Egil will verify with CIM EG what the status is for MR NMEG 2019/178, where only one out of three codes have been added to the ENTSO-E code list:

NMEG 2019/178	Code List	Add new Unit Symbol codes:
		HTZ The UnitSymbol for metered frequency (HTZ unit as per UN/CEFACT recommendation 20)
		<del>MVA megavolt ampere (MVA unit as per UN/CEFACT recommendation 20)</del>
		DD degree (unit of angle) (A unit of measurement of angles expressed in a 0 to 360 degree gradient)

**9 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](http://www.ediel.org).

**References (links):** None.

**What to decide, discuss or inform:** Update of BRSs and other documents if needed.

*9.1 NBS BRS for TSO-MO: Schedule Document and Publication Document*

**Background:** Due to North Sea Link project there will be a need to add new type to current NBS Day-ahead trades and Day-ahead flows.

**References (links):** <https://northsealink.com/>.

**What to decide, discuss or inform:** Addition of a new Business Type.

The following information regarding the new requirements was received during the meeting from Statnett:

"I am not quite sure I understand the question, but I will try to answer to the best of my knowledge. The auction covers two areas, NO2 and GB. Any volumes crossing NSL are external trades. The auction may also result in trades between parties within NO2 and within GB. Statnett/NSL is not part of these trades, only Nord Pool and the market parties."

**Conclusion:**

- We add a new Business Type to the ESS Schedule document (Day-ahead/Intraday trade) and the ECAN Publication Document:

**A06** External trade without explicit capacity (used for the Nord Link cable).

**Action:**

- Ove will update the BRS and send it on circulation for comments to NMEG for one week, before publishing it at [www.ediel.org](http://www.ediel.org).

**Information from after the meeting:**

- It seems that a new Business Type also is needed for the ESS Schedule document (Day-ahead/Intraday flow).

Item closed.

*9.2 BRS for schedules – Final review before publication (?)*

**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.

**References (links):** The draft BRS can be downloaded from Ove523450.

**What to decide, discuss or inform:** Review of updated BRS.

*Status for actions from earlier meetings:*

- Miika will find Finnish usages of Business types in chapter "6.2.7 Attribute usage Ediel ERRP Planned Resource Schedule Document, Ancillary services schedule (CIM version)" in the BRS for Schedules.

**Status:**

- o The current list seems to be OK.

- Everyone should verify and possibly update chapter "6.2.8 Dependency matrix: Ediel ERRP Planned Resource Schedule Document, Ancillary services schedule" in the BRS for Schedules.

**Status:**

- o The current content seems to be OK.

- Jan (SE) will verify if all Swedish specialities are present in the activity diagram in chapter 5.2.

**Status:**

- o The answer is yes.

**Actions:**

- Jon-Egil will review the Outage document by the end of the week.
- Thereafter Ove will send the BRS on circulation for comments to NMEG for one week, before publishing it at [www.ediel.org](http://www.ediel.org).

Item closed.

### 9.3 *BRS for Nordic Trading System*

Jan (SE) informed that a FDIS is available and that we must comment on it before Friday this week (Friday 15<sup>th</sup>).

Jon-Egil and Ove will send a comment through NK57, asking for making the period class optional, i.e. when cancelling a bid all the periods below the Time Series shall be removed, which is impossible as long as the Series\_Period class is required.

Among others, all documents have been moved to CIM version.

**Action:**

- Jon-Egil and Ove will send a comment through NK57, asking for making the period class optional, i.e. when cancelling a bid all the periods below the Time Series shall be removed, which is impossible as long as the Series\_Period class is required. Ref. chapter 5.7.4.3 all the periods below the Time Series shall be removed.

**Information from after the meeting:**

- o The Comment was submitted to NK 57 on Thursday January 14<sup>th</sup> and will be forwarded to IEC on Friday January 15<sup>th</sup>.
- Ove will make MRs for making the following attributes optional [0..1] (not used in the Nordic countries):
  - o bid\_Original\_MarketDocument.mRID
  - o bid\_Original\_MarketDocument.revisionNumber
  - o bid\_Original\_MarketDocument.bid\_TimeSeries.mRID

in the:

- o IEC/CIM Ediel Reserve Allocation Result Document (ERRP) and
- o IEC/CIM Ediel Allocation Result Document (ECAN)
- Ove will make three XML schemas:
  - o Ediel Reserve Allocation Result document (ERRP)
  - o Ediel Allocation Result Document (ECAN)
  - o Ediel Publication Document
- Ove will send the BRS for Nordic Trading System on circulation for comments to NMEG for one week, before publishing it at [www.ediel.org](http://www.ediel.org).

## 10 Resolution for timeseries with only one observation

**Background:** Jan (SE) asked what resolution to use for timeseries with only one observation. This is typically a problem for weather data, e.g. for a single temperature. If you want the time stamp on a minute resolution, Jon-Egil suggest using a resolution of one minute and specifying the time stamp as the start date/time and having a curve type “A02 point value”.

**References (links):** None.

### **What to decide, discuss or inform:**

Jan (SE) had as action from previous meeting verified if the solution for a resolution for timeseries with only one observation is satisfactory:

Some measured values, like temperature values, are instant values. I.e. without any period. So, specifying a period of one minute, would be “too long”, then it becomes an average value for that period (an hour, a minute, a second...). According to the description of CurveType (see [https://eepublicdownloads.entsoe.eu/clean-documents/EDI/Library/depreciated/Timeseries-curve-types\\_v1\\_2.pdf](https://eepublicdownloads.entsoe.eu/clean-documents/EDI/Library/depreciated/Timeseries-curve-types_v1_2.pdf)) the maximum number of repetition of the Point class is calculated as “(EndDateTime - StartDateTime) / Resolution”. Given a resolution of zero seconds, will give division by 0 – i.e. the Point class can’t be used when exchanging instant values. So how does the usage of “A02 point values” look like? You may send several point values – then you will have a period, but can you send one single value?

**Note:** ENTSO-E has an implementation guide for weather data (see [https://eepublicdownloads.entsoe.eu/clean-documents/EDI/Library/cim\\_based/Weather\\_IG\\_V1r2.pdf](https://eepublicdownloads.entsoe.eu/clean-documents/EDI/Library/cim_based/Weather_IG_V1r2.pdf), chapter 4.3.3), but there CurveType A03 is used, not A02. The resolution is 1 minute.

Svenska kraftnät proposal will be: We will use CurveType A02, since it is point values we will receive, we will use resolution of 1 minute, because a zero length is not possible.

Conclusion would then be that “the solution for a resolution for timeseries with only one observation is satisfactory”

Meanwhile (as another item) we in NMEG could discuss the exchange of “instant values” (and bring input to/from eBIX®/ETC and CIM-EG). We can compare it with single meter readings at a point in time. And we can look at “Area Control Error Open Loop” (ACE OL) where, I think, Quantity and DateAndOrTime is used “together” - but not associated. Should not Quantity be associated with DateAndOrTime? – Then you may for a single value specify:

1. Which point in time it is associated with (when not part of a “Series\_Period”), e.g. a temperature value from 15 pm or the date/time for a point value (as in ACE OL).
2. When the quantity was registered in the meter (e.g. at midnight)
3. When the quantity was read from the meter (e.g. at 2 am)
4. When the quantity (or its quality) was updated (e.g. at 10 am)

Number 2 and 3 are more likely to be part of IEC 61968 (the readings) and not part of IEC 62325 (market data), so we can skip those for our needs, I think.

**Action:**

- Ove will add the Swedish rules to the NMEG Common rules and recommendations (advise using Curve Type **A02** and a resolution of 1 minute) and thereafter send the document on circulation for comments to NMEG for one week, before publishing it at [www.ediel.org](http://www.ediel.org).
- Jan (SE) will investigate if there are other areas where timeseries with only one observation is an issue.

To be continued at next meeting.

## 11 Best practice for version numbering

**Background:** Fedder has a task in CIM EG to come up with a best practice for version numbering, however delegated to Tage. It seems that the conclusion may be that also the Nordics will start using the version.

**References (links):** None.

**What to decide, discuss or inform:** Review of “Best practice for version numbering document”. Also, the following definition from the Scheduling BRS needs to be verified:

IEC CIM Attribute	Cl.	Code and description
revisionNumber	[1]	The identification of the version that distinguishes one evolution of a document from another. Sends unique version. <b>Note:</b> All documents where the combination of mRID and revisionNumber is unique are valid. If the same mRID is used earlier, the revisionNumber must be larger than the previous.

**Continued action:**

- When a revised version of the “Best practice for version numbering document” is ready, Tage will distribute it to NEMG for comments – probably sometime in January.

## 12 CIM EG and ebIX® Area project

**Background:** The proposed project plan for an ebIX® and CIM EG Area project was approved by ebIX® Forum at the forum meeting November 17<sup>th</sup>. ebIX® also agreed to pay for a secretary in such a project.

**References (links):**

**What to decide, discuss or inform:** Status from CIM EG if they can approve a common ebIX® and CIM EG project.



**Continued action:**

- Jon-Egil will investigate if CIM EG is interested in a common project with ebIX®.

### 13 XML schemas

**Background:** The NMEG set of schemas, including extended table with TSO columns, are shown in Appendix C.

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](http://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, that should be published at [www.ediel.org](http://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 C and be published at [www.ediel.org](http://www.ediel.org).
- Ove will update the table based on NBM documentation received from Bent Atle (NBM/Fifty), when the NMEG BRSs are updated with NBM documents.

### 14 CIM mapping questions for NMEG

**Background:** The NMEG CIM-XML Subgroup needs some input to decide what code list to used for Quantity Quality and Rejection of documents

**References (links):**

**What to decide, discuss or inform:** Continue discussion from previous meeting.

- 1) Which code list to be used for Quantity Quality? UN/CEFACT, ENTSO-E....?

UN/CEFACT, ebIX® and Danish:

Kode	Beskrivelse	Kommentar	Kodeansvarlig
D01	Calculated	Beregnet	DK
36	Revised	Korrektion	UN/CEFACT
56	Estimated	Skønnet	UN/CEFACT
E01	As read	Målt	ebIX
39	Approved		UN/CEFACT
41	Rejected		UN/CEFACT

ENTSO-E:

Code	Title	Description
A01	Adjusted	The contents of the object have been adjusted.
A02	Not available	The contents of the object are not available.
A03	Estimated	The contents of the object are estimated.
A04	As provided	The contents of the object are as provided.
A05	Incomplete	The contents of the object are calculated based on incomplete data.

2) What code list to use for confirm/reject, such as in the Reason code:

- UN/CEFACT and current Danish implementation:

**41** Rejected  
**39** Approved

- ESMP:

**A01** Message fully accepted  
**A02** Message fully rejected

Jan (SE) and Ove had as action from previous meeting asked ebIX®/ETC for some advice for which code list to use in the CIM Acknowledgement document, ESMP code list (A01/A02) or UN/CEFACT code list (39/41). There was no clear recommendation from the ETC meeting, but it was noted that the Netherlands will use ENTSO-E codes (A01, A02 and 999), however with some national extensions (000 and 900).

And what code list to be used for roles, UN/CEFACT or ENTSO-E. All valid roles from the Harmonised Role Model are present in both code lists.

#### **Conclusions:**

- The best would be having only one coding scheme, hence the recommendation from NMEG is to use ESMP code list where possible, such as for Role Codes.
- NMEG will work for adding a code list responsible for all enumerations in CIM.
- Jan (SE) and Ove will try to convince ebIX® to use ESMP code list where possible, such as for Role Codes.

Item closed.

## **15 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) Continue with NBS documents:
  1. NBS ebIX® based documents;
  2. NBS documents based on older ENTSO-E schemas;
  3. NBS master data documents.

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

#### References (links):

**What to decide,  
discuss or inform:** Status.

*15.1 Discuss if we shall add a new class for Business Sector (Electricity or Gas), when agreed in CIM (To remember item)*

*15.2 Report from NMEG CIM-XML Subgroup; GoToMeeting December 17<sup>th</sup>.*

- Participants Jan (DK), Jan (SE) and Ove.
- Jan (SE) had contacted Alvaro regarding usage of "start\_Date" or "start\_DateAndOrTime" and got the following answer:

Regarding the qualifiers, you are free to put whatever you want. Anyway, we use the same qualifiers all the time to avoid misunderstandings and keep our profiles consistent between them E.G. Sender, Receiver...

For the associations, when designing a contextual document UML model (IEC 62325-451-x), all classes, attributes and associations are to be "IsBasedOn" in IEC 62325-351, so basically you have to use the same associations naming to keep your profile aligned with the ESMP.

In my opinion, the way we have it right now is OK. In general, the association makes reference to the class and the attribute tells you exactly what you are referring. (DateAndOrTime.date, DateAndOrTime.time, DateAndOrTime.dateTime). If you need to be more specific about the attribute, then you qualify it.

Hence, Jan (SE) suggest that we stick to DateAndOrTime. It would then be "Start\_DataAndOrTime.date" – as it actually is in one place in the Memo document:

MktActivityRecord / ValidityStart\_DateAndOrTime / date

While mostly otherwise MktActivityRecord / Start\_Date / date

#### **Actions:**

- Ove will continue the update of the mapping of the Market Document class for the rest of the documents (from End of Supply), using the Market Document as header without Revision Number, Energy Business Process Role and Validity Period.
- Ove will rename the association end names Date to DateAndOrTime.

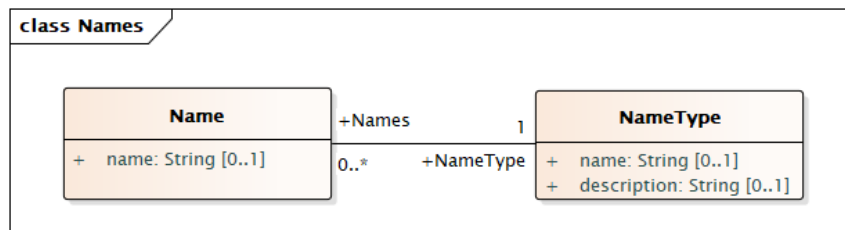
- All will think about if we need a Document (Transaction) ID in the Acknowledgment document. If we need it, shall we:
  - o Add a Responding\_Series.mRID as an attribute in in the Rejected\_TimeSeries class
    - This means a Danish Acknowledgement document
  - o Find a Danish reason code for “New mRID” and put the mRID itself in the Reason Text attribute?

### 15.3 Report from NMEG CIM-XML Subgroup; GoToMeeting January 11<sup>th</sup>.

- Participants Christian, Jan (DK), Jan (SE) and Ove.
- Christian informed that there has been meetings with the Danish actors just before and after Christmas and that Energinet is asked to investigate if Denmark shall continue using MD ore move to EA, if they shall migrate to latest ebIX<sup>®</sup> BRSs and/or if they shall use JSON or XML.
- What code lists to use, such as from ebIX<sup>®</sup>, ENTSO-E, UN/CEFACT was discussed. It seems that we must continue using code lists from ebIX<sup>®</sup>, ENTSO-E, UN/CEFACT etc. There are however a few enumerations that overlaps, such as the Role Code and the reject/confirm code used in the Reason Code. For the latter, the alternatives are UN/CEFACT **39/41** or ENTSO-E **A01/A02**. The Netherlands has informed that they will use ENTSO-E codes **A01/A02**.
  - o What do we do with codes like the Role code?

**Conclusion:**

- o When using the ENTSO-E Acknowledgement document we will use ENTSO-E codes **A01/A02**.
- Ove informed that there are variants of the association end names also in 61970:



- At the ETC meeting January 7<sup>th</sup>, NMEG was asked to:
  - o See if we can use effectiveDate and terminationDate from ChargeComponent instead of adding an association from ChargeType to Period.
 

**Conclusion:**

    - Ove will redo the mapping, i.e. use effectiveDate and terminationDate from ChargeType.
  - o The Charge class is not used anymore. Shall we remove it from the ESDMP package and the extension package.
 

**Conclusion:**

    - Ove will remove Charge from ESDMP
  - o Make a MR for addition of Metering interval and Reporting interval and send it to EBG – see Appendix B.
 

**Conclusion:**

    - Ove will make a MR to be discussed at the NMEG meeting Wednesday.

## 16 Picture at the front page of [www.ediel.org](http://www.ediel.org)

**Background:** At the NMEG meeting March 2020, it was agreed to add a picture to the front page of [www.ediel.org](http://www.ediel.org).

**References (links):** [www.ediel.org](http://www.ediel.org).

**What to decide, discuss or inform:** Status.

### **Continued actions:**

- Jon-Egil find the original picture and include Denmark;
- When a picture is ready, Teemu will add it to [www.ediel.org](http://www.ediel.org).

## 17 Review of documents from CIM EG 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 EG 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 EG subgroups that is of interest for the Nordic market.

No documents for review.

### *17.1 Naming of UnitSymbol in ESMP*

Bent Atle has noted that the naming of UnitSymbol not is consistent. The problem is that the UnitSymbol datatype and the UnitSymbol «Enumeration» has the same name.

### **Continued action:**

- Jan (SE) will ask through WG16, during a coming Thursday afternoon call, if there is any possibility to get unique names of unitSymbol attribute, type, enumeration etc.

## 18 Information (if any)

No information exchanged.

## 19 Next meetings and decide if next meeting will be a face-to-face meeting or GoToMeeting

NMEG Corona GoToMeetings:

- Tuesday February 9<sup>th</sup>, 10:00 – 12:00 and 13:00 – 15:00

- Friday March 12<sup>th</sup>, 9:00 – 11:00 and 12:00 – 14:00, GoToMeeting.

NMEG scheduled face-to-face meetings<sup>1</sup>:

- None scheduled

NMEG CIM-XML subgroup GoToMeetings:

- Every Monday from 10:00 to 11:30, from Monday January 11<sup>th</sup> until Monday February 22<sup>nd</sup>.

## 20 AOB

### 20.1 MR to ebIX® (EBG) for addition of Metering interval and Reporting interval

See justification and suggestion for the MR in Appendix B.

#### **Action:**

- Jan (SE) will verify if these attributes are needed in the new Swedish portal before the MR is submitted to ebIX®.

### 20.2 Regulation of normal balance regulation market bids based on "Period Shift"

In Norway there is a need for a new Document type code for Regulation of normal balance regulation market bids based on "Period Shift". The proposal is to remove the "Deprecated" mark on the existing code **Z15**:

<b>Z15</b>	DATCR activation, move (change) of planned A document indication a move or change of planned production in a Directly Activated Tertiary Control Reserve (DATCR) process.production	Deprecated (use "A40 DATCR activation" instead)
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#### **Conclusion:**

- The "Deprecated" mark on the Document Type **Z15** will be removed and the NMEG Code List Library will be published at [www.ediel.org](http://www.ediel.org).

Item closed.

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<sup>1</sup> Unless otherwise explicitly stated, the face-to-face meetings start at 09:00 (CET) the first day and end 16:00 (CET) the second day.

## Appendix A Overview of Nordic memberships in international standardisation bodies

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

### Abbreviations:

CCC	Coordinated Capacity Calculation (project under CIM EG)
CGMES	Common Grid Model Exchange Standard (subgroup under CIM EG)
CIO/LIO	Central Issuing Office / Local Issuing Office
CSSG	Communication Standards (subgroup under CIM EG)
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 EG)
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)
NEX	Nordic ECP/EDX Group
TPC	Transparency Platform Coordinators (subgroup under MIT)

## Appendix B Reporting interval

*From Jan (SE):*

In Sweden we are reporting (currently in the PRODAT messages, and in the future to/from the datahub) several things about the accounting point. Four or five things of those that we intend to report to/from the datahub I don't find in ebIX.

One of these things is the "Reporting interval" that we today send in PRODAT. I.e. the values are typically collected daily or monthly. But when are they reported? You are, depending on some rules, allowed just to send the hourly values once a month.

For accounting points part of the imbalance settlement, they must be reported daily (i.e. quarterly values or hourly values). For accounting points part of the reconciliation, hourly values might be reported daily, but you are allowed to send them once a month. But: as a supplier I want to know that. Will I get the values once a month, or will I get them daily? For accounting points part of the reconciliation, monthly values will be sent once a month. (Perhaps we also have some rules when sending values to the customer – perhaps using the same standard and format as sending to suppliers – that those values might be sent more seldom.)

Anyhow, we then have an attribute that can be translated into "Reporting interval" or "Reporting frequency". Has this been discussed in ebIX? Perhaps it is only we in Sweden that informs the supplier how often he will get timeseries for a specific accounting point. If so, this attribute – and some others – will be of the kind "local extension to CIM" (whenever we will use CIM....).

*Reply from Ove:*

I believe we have these elements:

Scheduled Meter Reading Date	The indication of when the regular meter reading is scheduled.
Meter Reading Periodicity	The length of time between the regular meter readings.

*Reply from Jan (SE):*

In today's PRODAT messages we have:

- First meter reading Date, optional. And I don't think in use.
- Report start date, optional (will tell when you first start to send the metered values). I don't think it is in use.
- Meter reading frequency, required. Back in 2005 we changed this from telling how often you read the values to how often you send them.

In the datahub we will (at least) have

- Metering interval
- Reporting interval

I.e. how often will you do the metering (every 15 minutes, once an hour, monthly). And, how often will you send those values (once a day, every month...).

If "Meter Reading Periodicity" in ebIX® is used for telling how often you report the values, the name is not good. But perhaps then it is implemented differently in different countries... And how can we in the ebIX® model tell that we e.g. have quarterly values? (or hourly, monthly, yearly).



**Proposal for MR to ebIX®:**

<b>Submitter identification</b>	<b>NMEG 2021/3 (to ebIX®)</b>
<b>Submitter name</b>	Jon-Egil Nordvik on behalf of the Nordic TSOs
<b>Submitter organisation</b>	Statnett
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<b>Relevant document name and version</b>	ebIX® BRS for Alignment of Accounting Point (AP) characteristics
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<b>Nature of change</b>	Code request	
	Functional addition	√
	Functional modification	
	Correction of text	
	Clarification of text	

<p><b>Introduction:</b></p> <p>The following attributes that will be used in the Swedish datahub are missing in the ebIX® Alignment of AP characteristics document:</p> <p><b>Metering Interval:</b></p> <p>Measured values may be read every 15 minutes, once an hour, monthly etc. This information may be needed by the Energy Suppliers.</p> <p><b>Reporting Interval:</b></p> <p>Measured values for most of the Accounting Points (AP) are sent to the Imbalance Settlement Responsible (ISR) daily, while reconciliation data may be sent daily, monthly or in other intervals to the Energy Suppliers. Hence, information may be needed by the Energy Suppliers.</p>
<p><b>Request details:</b></p> <ol style="list-style-type: none"><li>1) Add a new attribute Metering Interval to the AP Physical Characteristics class.</li><li>2) Add a new attribute Reporting Interval to the AP Administrative characteristics class.</li></ol>

## Appendix C 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					
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 <sup>2</sup>	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					
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						

<sup>2</sup> 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.