Present:	Bent Atle (Statnett)
	Jan (DK), Energinet
	Jan (SE), Svenska kraftnät
	Jon-Egil, Statnett (Convenor)
	Miika, Fingrid
	Mika, eSett
	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
	Tommy, eSett
	Tuomas L, eSett
	Tuomas P, eSett
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:

- BRS for Schedules: CIM version of Outage document, see item 9.2.
- NMEG Common rules and recommendations, see item 9.3.
- NBS BRS for TSO-MO, see item 9.4.
- Problems with www.ediel.org, see item 19.1 under AOB.
- Should we align the Swedish and Danish document for measure data from an Exchange Point?19.2 under AOB.

2   Approval of previous meeting minutes

The minutes from previous meeting were approved.

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 grout.

References (links):

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

Miika informed that there is a challenge to synchronise the "Terms of Use" for usage of ECP between the users in different Nordic countries. Currently there is a Terms of Use document used in Norway that is signed by the Norwegian ECP users. This is expected to be discussed by the other Nordic TSOs to see if it can be reused.

The discussion should be continued in NEX. If wanted, the document may, when agreed, be published at www.ediel.org.

How to use European platforms, such as MARI, Picasso and TERRE, with ESP has also been a main discussion topic on the latest NEX meetings.

Continued and new action:

- NEX will investigate if NEX should have their own folder at www.ediel.org, like the NBS (eSett) folder.
- NEX will share the Terms of Use and how to use European platforms with NMEG when more mature.

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 ned 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   Status for MRs to ebIX®

Background: NMEG has sent several Maintenance Requests (MR) to ebIX and some of these have been postponed.

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

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

Jan (SE) had as homework verified if the attributes requested in the MR (see Appendix B) are needed in the new Swedish datahub. Based on the verification, the term "Metering Interval" was renamed to "Reporting resolution" since there may be a difference between "metering resolution" and "reporting resolution".

Action:

- Ove will submit the MR NMEG 2021/03 to ebIX®/EBG.

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.

Jon-Egil informed that 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, has been approved by CIM EG.

Jon-Egil informed that also MR NMEG 2019/178 has been approved. I.e. all three codes have been added to the ENTSO-E code list, Unit Symbol codes:

HTZ   The UnitSymbol for metered frequency (HTZ unit as per UN/CEFACT recommendation 20)
MVA   megavolt-ampere (MVA unit as per UN/CEFACT recommendation 20)
DD   degree (unit of angle) (A unit of measurement of angles expressed in a 0 to 360 degree gradient)

Ove informed that the comment to 62325-451-7 FDIS from NK57 that was discussed at the previous NMEG meeting was once again rejected. From Alvaro:

> This topic has already been discussed during previous CIM EG meetings or ESMP SG meetings. And this comment was rejected during the CDV phase (See explanation in the next paragraphs). Apart from that this is not considered typographical because it requires a schema update.

> During the Reserve Bid Document transmission process, each time that the sender (BSP or LFC Operator) wants to cancel a BidTimeSeries, he must create a new version of the RBD (ReserveBid Document), in which the deleted BidTimeSeries will be missing.

> There is no attribute in the BidTimeSeries to indicate that the BidTimeSeries is cancelled. That is the reason why it was decided that it will be a "cancel and replace" process.

> As an example:

> - The TSO has already sent a RBD_version3 to MARI platform. This RBD contains 5 BidTimeSeries: BTS1, BTS2, BTS3, BTS4, BTS5. Each of those 5 BidTimeSeries contains a Series_Period.
> - Then the TSO wants to delete 2 BidTimeSeries: BTS3 and BTS4 will be cancelled from the RBD document.
> - The TSO sends a new version of the RBD: RBD_version 4, which only contains 3 BidTimeSeries: BTS1, BTS2 and BTS5. Each of those 3 BidTimeSeries contains a Series_Period.

> The TSO does not need to indicate which BidTimeSeries has been canceled, and the receiver, MARI platform, must only consider the last received version.

> The main consequence is to always have a Series_Period, as long as a BidTimeSeries is identified within an RBD.

Another use case of the cancellation of a BidTimeSeries would be that there is no "cancel and replace" process for the transmission of RBD.

In this use case, when the sender transmits a new version of the RBD, it should contain all the BidTimeSeries already identified in the previous version.

If the sender wants to cancel a BidTimeSeries, he may put all values to zero at the "Point" level (quantity and prices). In that case, the Series_Period is always present below each BidTimeSeries.

This has led us to conclude that, whichever use case is selected, there should always have one (1 to many) Series_Period linked to the BidTimeSeries.

Best regards,

Alvaro

Jon-Egil/Bent Atle informed that there is an ongoing discussion in NBM on how to handle the conditional linking of bids.

Jan (SE) informed that he has sent two MRs to CIM EG ESMP WG regarding the weather document:

   I.   Add Curve Type **A02** and a possible resolution of 0 seconds (**PT0S**) to the Weather Document, to be added in Table 2.

   II.   To specify that the identification of the weather stations is following a coding scheme from World Meteorological Organization (WMO), we suggest adding a new coding scheme as specified below. Note however that this will still not tell who maintains the code (SMHI or some other institute).

Type of code	Code[(1)]:	Definition:	Description:
Coding Scheme type		WMO	The coding scheme used for meterological information, maintained by World Meterological Organization (WMO).

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.

References (links):   None.

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

Ove had as action from previous meeting sent the Ediel Common XML rules and recommendations on circulation for comments to NMEG for one week and thereafter published it at www.ediel.org.

---

[1] The "Code" field is to be completed in the case of modifications to existing codes.

9.1   BRS for Nordic Trading System

Ove had as homework made MRs for making the following attributes optional [0..1] (not used in the Nordic countries):

- bid_Original_MarketDocument.mRID
- bid_Original_MarketDocument.revisionNumber
- bid_Original_MarketDocument.bid _TimeSeries.mRID

    in the:

- IEC/CIM Ediel Reserve Allocation Result Document (ERRP) and
- IEC/CIM Ediel Allocation Result Document (ECAN)

And Jon-Egil had forwarded these to CIM-EG.

Ove had also made XML schemas for all extended documents in the Trade BRS:

- Ediel Currency Exchange Rate Document
- Ediel Capacity Auction Specification Document (ECAN)
- Ediel Reserve Allocation Result Document (ERRP)
- ~~Ediel Allocation Result Document (ECAN)~~ (not used in the Trade BRS anymore)
- Ediel Publication Document (ECAN)

These will be published together with the BRS for Trade at www.Ediel.org.

We will note at www.ediel.org that the following documents, also used in the Trade BRS, can be found at the ENTSO-E web site.

- iec62325-451-7-reservebiddocument_v7_2.xsd
- iec62325-451-n-areaconfigurationdocument_v1_1.xsd

Ove had not sent the BRS for Nordic Trading System on circulation for comments to NMEG because there were some questions to be resolved, which were solved during the meeting.

Action:

- Ove will publish an update of the CC library (removed "deprecated" for Business Type **Z49** and **Z51**).

- 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, together with Ediel xml schemas and a reference to ENTO-E xml schemas.

Item closed.

9.2   BRS for Schedules: CIM version of Outage document

Ove had as homework from previous meeting sent the BRS for Schedules on circulation for comments to NMEG for one week and thereafter published it at www.ediel.org.

Jon-Egil had as action from previous meeting reviewed the CIM version of Outage document and found that we need a common review of the Outage document.

Action:

- Jon-Egil will contact the OPC group, trying to get a common meeting to agree on how to implement the CIM version of the Outage Document.

9.3   NMEG Common rules and recommendations

Bent Atle had noticed that the Acknowledge document description is based on an old ENTSO-E format. Shall we add (or replace the current with) a CIM version?

Action

- Ove will make a proposal for update of the Acknowledgement Document to latest CIM version in the NMEG Common rules and recommendations before next NMEG meeting.

9.4   NBS BRS for TSO-MO

Mika informed that there is a need raised by Energinet to add symmetric direction to Ediel ERRP Reserve Allocation Result Document (NBS BRS for TSO-MO) for FCR.

In detail, the modification is following: page 52, table 9 would have to be updated so, that there is **A03** available for Direction of Process Type **A28**, Business type **A11**, Document Type **A81** and Reason code **Z49**.

Other changes should not be required for the moment, since **A03** already is available for Direction. However, it is under discussion if **A03** also should be available for other exchanges and new resolutions, such as four-hour resolutions (**PT4H**).

Action:

- Ove will update the BRS and send it on circulation for comments to NMEG for one week, before publication at www.ediel.org.

Item closed.

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:

Ove had as action added 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.

Jan (SE) informed during item 8 that he has sent two MRs to CIM EG ESMP group regarding the weather document, where one relates to this topic:

I. Add CurveType A02 and a possible resolution of 0 seconds (PT0S) to the Weather Document, to be added in Table 2.

A status after discussion in CIM EG will be put on the next NMEG agenda.

Continued action:
- Jan (SE) will investigate if there are other areas where timeseries with only one observation is an issue.

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. Senders unique version. **Note:** 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.

Tage informed that Fedder and Tage expect to present a new chapter to the "best practice document" at the CIM EG meeting March 17th (to be submitted to CIM EG latest by March 10th) and that NMEG will get it beforehand for a short review period.

Action:
- When a revised version of the "Best practice for version numbering document" is ready, Tage will distribute it to NEMG for comments.

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 17th. 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.

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.

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.

- 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 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.

14.1 Report from NMEG CIM-XML Subgroup; GoToMeeting January 18th.

- Participants Christian, Jan (DK), Jan (SE) and Ove.

- Most of the meeting was used to discuss what to implement in Datahub version 3.0:
  - Jan (DK) informed that Datahub 3.0 internally will use CIM for the database and JSON as format. But what to do externally?
    - Continue with ebIX® xml based on MagicDraw and TT?
    - Use CIM xml based on outcome from the NMEG CIM XML Subgroup?
    - Use JSON?

    There was no clear answer. However, it was noted that the TT does not work for the time being and it is not sure that ebIX® will spend time and money on the product anymore.
  - Christian asked when ebIX® will have a fully CIM based solution. However, also without any clear answer. Jan (SE) informed that there is ongoing work toward IEC to include all ebIX® requirements into CIM but it is not possible to say when this work is finalised.
    - The effort within ETC is today concentrated on CIM and almost no effort is used towards UN/CEFACT.
  - And what code lists to use? We have agreed (discussed) to use ENTSO-E codes in the acknowledgement. But it seems strange to use UN/CEFACT role codes in a request and ENTSO-E role codes in the acknowledgement.

Action:

- Jan will make a list over missing documents in the mapping memo.
- Ove will thereafter do the mappings.

14.2 Report from NMEG CIM-XML Subgroup; GoToMeeting January 25th.

- Participants Christian, Jan (DK), Jan (SE) and Ove.

- MktActivityRecord is currently mapped to ChargeType, while ChargeGroup not is present. However, the ChargeGroup is needed according to the ebIX® BRS. Shall we remap so that MktActivityRecord is associated with ChargeGroup and further to ChargeType – and have all attributes in ChargeGroup optional?

  Conclusion:
  - Yes.

- Once again Christian brought up the question on which code list to use, such as ebIX®, ENTSO-E, UN/CEFACT?

  - Jan (SE) informed that WG14 is working on a proposal where all objects have a UUID and additionally can have an alternative ID inclusive ID owner and type. Next week, a CDV (Committee Draft for Voting) is expected that may be commented by all.
  - In CIM today there is a code list responsible for many IDs, but not for codes.
  - In the Current EA CIM model for Denmark: ENTSO-E code lists are used where available, for other codes, ebIX®, UN/CEFACT or Danish codes are used. All codes are present in code lists in the EA CIM model.

o For Quantity Quality codes, Norway uses UN/CEFACT codes and Sweden will use "textual codes" (estimated, calculated…).

Action:

- Ove will send a Teams invitation for our next meeting – to see if it works better.
- Ove will add ChargeGroup in between MktActivityRecord and ChargeType.

14.3 Report from NMEG CIM-XML Subgroup; GoToMeeting February 1st.

Participants Christian, Jan (DK), Jan (SE) and Ove.

At our meeting January 11th, Ove got the following action:

- 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.

The topic originates from a discussion in ETC where Jan (NL) proposed using effectiveDate and terminationDate from ChargeComponent instead of adding an association from ChargeType to Period.

However, it does not seem that the Start- and End dates are used on ChargeType level in the mapping. Further, Charge Type does not seem to be associated with Period in the ESDMP/ESDMPACCs, but the Charge Type is associated with Period in ExtensionMarketOperations.

Conclusion:

o The extension association between ChargeType and Period will be removed.

To be aligned with the ebIX® BRS, MktActivityRecord is now associated with ChargeGroup and further to ChargeType. The only attribute in ChargeGroup, mRID, is optional.

Most of the meeting was used to review comments from Ove in the "Mapping memo". The review will continue at the next meeting.

Action:

- Ove will:

    o Try to remove the ChargeGroup from the Assembly model (have it as part of the attribute names in ChargeType.

    o Try fixing the error when trying to "Edit an IsBasedOn" in MarketEvaluationPoint in ESDMPACCs.

    o Add correct data types to nextReadingDate (MonthDay) and readCycle (Duration) to MarketEvaluationPoint in ESDMPACCs and the Accounting Point Characteristics document.

- Participants Jan (DK), Jan (SE) and Ove.

- Ove had added all attributes that are used in the ESMP classes to the related classes in ESDMP, since it is an expressed goal to have *one* European Profile sometime in the future.

- Ove had remapped Maximum Power in the Accounting Point Characteristics document from

    MktActivityRecord / MarketEvaluationPoint / contractedConnectionCapacity to

    MktActivityRecord / MarketEvaluationPoint / MarketAgreement / contractedConnectionCapacity

- Ove had as action from previous meeting tried to remove the ChargeGroup as an own class from the Assembly model, however without success. This is probably because there are no attribute in the ChargeGroup class to move into the MktActivityRecord class.

    Conclusion:

    o   We keep it as it is now.

- Should we have a discussion related to Nordic versus Dutch way of handling «ABIE»?

    Conclusion:

    o   Will be continued at a meeting between Jan (SE), Fedder and Ove

- Should we align the Swedish and Danish document for measure data from an Exchange Point?

    o   There are currently several different principles. For instance uses eSett InMGA, OutMGA and MGA, ENTSO-E uses InMGA and OutMGA, ebIX® proposes only MGA and Exchange Point ID and Denmark uses the Metring Point Type code (**D10** = Net from grid and **D11** = Net to grid).
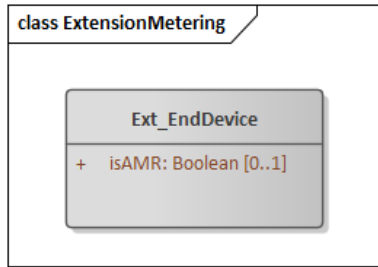
    Conclusion:

    o   The question will be brought up at the next NMEG meeting.

- Jan (SE) and Ove have the following homework from ETC:

    Jan (SE)/ Ove will continue making class diagram(s) where extensions to ESMP is shown with different colours and using extension classes and inheritance where new attributes are needed in an ACC, for non-measure documents.

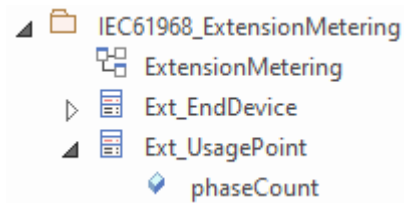   Shall we change colour on "extension associations", for example to red (they are already stereotyped «new»)?

    Conclusion:

    o   Yes
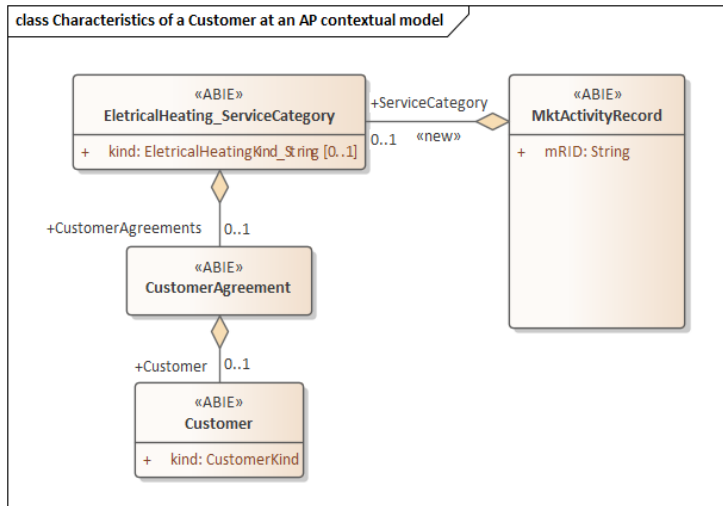
- Is this one in use anywhere?

Conclusion:

- o   No, will be removed.

- Currently we have a phaseCount in IEC61968_ExtensionMetering and a phaseCode in UsagePoint? Can we remove the phasCount?

Conclusion:

- o   We shall use paseCount – This is already added to the latest CIM 100 (see https://cimug.ucaiug.org/CIM%20Model%20Releases/Forms/AllItems.aspx).

- Ove have not managed to remove the "kind" attribute in the ServiceCategory «ABIE» in the "Characteristics of a Customer at an AP" document. It looks like CimContextor cannot handle two empty classes after each other. Can we live with this instead?

Conclusion:

- o   OK.

15 Picture at the front page of **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.

References (links):   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.

16 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.

16.1 *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.

Jan (SE) raised the UnitSymbol issue with Alvaro at the last WG16 meeting. Jan (SE) pointed to a rule in IEC 62325-450 (Chapter 6.4.1) that says:

Rule number	Rule description
[GD1.]	All datatypes (primitive, enumeration, CIMdatatype and compound) used in the profiles shall be based on CIM datatypes.

However, the UNITSymbol in ESMP is not based on a CIMdatatype, but on an Enumeration. I hope that we will raise this at the ESMP meeting on February 25th.

Continued action:

- Jan (SE) will continue the investigation in CIM EG, WG16, WG 13 …..

17 Information (if any)

Jan (SE) mentioned that IEC WG14 will run projects to update the structure of parties, addresses etc., such as replacing compounds with classes. Jan (SE) will follow these projects.

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

NMEG Corona GoToMeetings:

- Friday March 12th, 9:00 – 11:00 and 12:00 – 14:00, GoToMeeting.
- Wednesday April 21st, 10:00 – 12:00 and 13:00 – 15:00, GoToMeeting
- Thursday May 20th, 10:00 – 12:00 and 13:00 – 14:00, GoToMeeting

NMEG scheduled face-to-face meetings[2]:

- None scheduled

NMEG CIM-XML subgroup GoToMeetings:

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

19 AOB

19.1 Problems with www.ediel.org

We have had some problems with www.ediel.org, i.e., that the main page loads fine, but when loading one of the subpages the wheel is just spinning on the page and nothing will load – this was typically when using a mobile phone.

Ove tried the support from Webhuset (the host), who concluded that the page was "too heavy".

However, Teemu changed the theme (CSS) for the site, which seems to have solved the problem. However, the site look-and-feel is pretty much as basic as it gets.

Hence, it would be good to do a little makeup of the web site.

Ove also mentioned that we should update the PHP version of the pages.

Action:

- Teemu volunteered to make a few proposals for new themes and sent to NMEG for comments by mail.

- Teemu and Ove will see if we can upgrade to a newer PHP version at a GoToMeeting Monday 15th at 12:00 CET.

19.2 Should we align the Swedish and Danish document for measure data from an Exchange Point?

There are currently several different principles. For instance uses eSett InMGA, OutMGA and MGA, ENTSO-E uses InMGA and OutMGA, ebIX® proposes only MGA and Exchange Point ID and Denmark uses the Metring Point Type code (**D10** = Net from grid and **D11** = Net to grid).

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[2] 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.

We will ask ebIX® to go for InArea and OutArea together with an Exchange Point ID. The request will be prepared at the NMEG CIM-XML subgroup meeting next Monday (February 15th) 10:00 – 11:30.

Teemu, Jan (SE) and Jon-Egil will try to participate at the next EBG meeting

Monday February 15th, 14:00 – 15:30 (Ove will send the invitation to Jon-Egil).

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®:

Submitter identification	**NMEG 2021/3 (to ebIX®)**
Submitter name	Jon-Egil Nordvik on behalf of the Nordic TSOs
Submitter organisation	Statnett
E-mail address	jon-egil.nordvik@statnett.no

Relevant document name and version	ebIX® BRS for Alignment of Accounting Point (AP) characteristics

Nature of change	Code request	
	Functional addition	√
	Functional modification	
	Correction of text	
	Clarification of text	

Introduction:

The following attributes that will be used in the Swedish datahub are missing in the ebIX® Alignment of AP characteristics document:

Reporting resolution:

Measured values may be sent as 15 minutes, hourly, monthly values etc. This information may be needed by the Energy Suppliers. Note that this may differ from the "metering resolution".

Reporting Interval:

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.

Request details:

1) Add a new attribute Reporting Resolution to the AP Administrative characteristics class with the following definition:

    The resolution used when sending measured values from this Accounting Point, such as 15 minutes, hourly or monthly.

2) Add a new attribute Reporting Interval to the AP Administrative characteristics class with the following definition:

    The time between sending of measured values from this Accounting Point, such as daily or monthly.

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[3]	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						

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[3] 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.