		NMEG
Minutes: NMEG meeting **Date:** Tuesday August 18th and Wednesday August 19th, 2020 **Time:** 10:00 – 12:00 and 13:00 – 15:00 both days **Place:** GoToMeeting		Nordic Market Expert Group
August 26th, 2020		

Present:	Jan, Energinet
	Jan, Svenska kraftnät
	Jon-Egil, Statnett
	Mika, eSett
	Ove, Edisys
	Tage, Energinet
	Teemu, Fingrid
To (NMEG):	Anne Stine, Elhub
	Christian, Energinet
	Jan, Energinet
	Jan, Svenska kraftnät
	Jon-Egil, Statnett (Convenor)
	Ove, Edisys (Secretary)
	Tage, Energinet
	Teemu, Fingrid
CC:	Audun, Elhub
	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 B:	Overview of the usage of xml-schemas in the Nordic countries
Attachment:	None

1 Approval of agenda

The agenda was approved with the following additions:

- Update of description for Business Type C27, see item 6.1.
- New reason code for System Regulation, see item 6.2.
- Extension to ERRP Planned resource schedule market document, see item 6.3
- New Business Types for Consumption plans, see item 6.4.
- Even more new reason codes for NBM, see item 6.5.
- urn-entsoe-eu-local-extension-types.xsd with annotations, see item 7.1.
- Review of Nordic Operate BRS 1r3A, see item 7.2.
- Request for Nordic Trading System BRS 1r7A from Jan (SE), see item 7.3.
- Request for Nordic Trading System BRS 1r7A from Mikko (Fingrid), see item 7.4.
- Improvement of timing and procedure for NMEG (Nordic) IEC commenting, see item 15.1 under AOB.

2   Approval of previous meeting minutes

The previous meeting minutes were approved without comments.

3   Status from NMEG "ECP/EDX Centre of Excellence" subgroup

Background: NIT has taken over the responsibility for the "ECP/EDX Centre of Excellence group", which originally was proposed by NMEG.

References (links):

What to decide,   Status from "ECP/EDX Centre of Excellence group".
discuss or inform:

The subgroup is working well and Svenska kraftnät has approved ECP.

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.

Continued action:

- 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 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,   Status for a common meeting with NEAT.
discuss or inform:

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): disabled http://nordicbalancingmodel.net/

What to decide, discuss or inform: Status for the NBM project and possible task for NMEG.

6.1 Update of description for Business Type C27

Bent Atle, on behalf of NBM/Fifty, asks for an update of the description of Business Type **C27**, i.e. making it symmetric:

Code	Name	Definition
C27	Frequency Containment Reserve-Disturbance (FCR-D)	FCR-D is a reserve that is automatically activated when the frequency falls below 49.90 Hz or above 50.1 Hz after an imbalance.

Conclusion:

- A MR was drafted during the meeting and Jon-Egil sent it to CIM EG in the afternoon of day one.

6.2 New reason code for System Regulation

Bent Atle, on behalf of NBM/Fifty, asks us to reserve a new Reason code for System Regulation, as opposed to Balance Regulation (**Z31** - "FRR-M, Balancing Power").

Code	Name	Definition
Z35	FRR-M, System Regulation	Frequency Restoration Reserve - Manual activated reserves (FRR-M), System Regulation

Conclusion:

- A new code **Z53** was added to the NMEG code list with the requested content and the current code **Z35** was rephrased:

Code	Name	Definition
Z35	FRR-M, Special Regulation	Frequency Restoration Reserve - Manual activated reserves (FRR-M), Special Regulation where the price is payed as bid and not archive price.
Z53	FRR-M, System Regulation	Frequency Restoration Reserve - Manual activated reserves (FRR-M), System Regulation where regulation does not affect the regulation price.

6.3 Extension to ERRP Planned resource schedule market document

Bent Atle, on behalf of NBM/Fifty, asks for update of ERRP Planned resource schedule market document:

- Needs support for reason code at time series level.

- Addition of PsrType (Asset Type) at Time Series Level. Actually a "Business type detail" is what is needed, but the PsrType will work.

  o Production Plan should provide the Production Type. ENTSO-E has codes for it in PsrType (AssetType), for instance to replace old Norwegian "Product Types";
    - Vannkraft – Productcode: 1100
    - Termisk – Productcode: 1120
    - Vindkraft – Productcode: 1130
    - Bølge – Productcode: 1140, B.Type nada
    - Gass – Productcode: 1150, Finnes ikke i B.Type, men Asset.
    - Sol - B.type A90
    - Run-of-River

The addition is currently needed in Fifty.

Conclusion:

- A MR was drafted during the meeting and Jon-Egil sent it to CIM EG in the afternoon of day one.

- If we need to make a Nordic version of the ERRP Planned resource schedule market document will be decided after the next CIM EG in the beginning of September.

6.4   New Business Types for Consumption plans

Bent Atle, on behalf of NBM/Fifty, asks for new Business Types for Consumption Plans, i.e. Conform and Non-conform. Currently Business Type "**A04** Consumption" (Total Consumption) is used.

Code	Name	Definition
Z95	Non-conform load schedule	Non-Conform Load Schedule: Loads that do not follow a daily and seasonal load variation pattern.
Z96	Conform load schedule	Conform Load Schedule: A curve of load versus time (X-axis) showing the active power values (Y1-axis) and reactive power (Y2-axis) for each unit of the period covered. This curve represents a typical pattern of load over the time period for a given day type and season.

Conclusion:

- New codes were added to the NMEG code list.

6.5   Even more new reason codes for NBM

Bent Atle, on behalf of NBM/Fifty, asks us to reserve two new Reason codes to distinguish if AOF (Activation Optimisation Function) have been executed automatically or manually.

Code	Name	Definition
Z54	Activation by AOF (Activation Optimisation Function)	AOF is a function to operate the algorithm applied for the optimisation of the activation of Balancing Energy bids within a Coordinated Balancing Area.
Z55	Manual activation not based on AOF	Manual (locally) activation without use of AOF. AOF is a function to operate the algorithm applied for the optimisation of the activation of Balancing Energy bids within a Coordinated Balancing Area.

Conclusion:

- The new codes **Z54** and **Z55** was added to the NMEG code list.

Action:

- Ove will publish the updated NMEG code list.

7   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.

7.1   urn-entsoe-eu-local-extension-types.xsd with annotations

At the previous NMEG meeting, it was concluded that Ove should make a proposal for addition of annotations to urn-entsoe-eu-local-extension-types.xsd containing all Nordic codes. Hence, all codes in the Nordic CC library and all Danish codes used in the Danish downstream market has been added. Fifty currently maintains a urn-entsoe-eu-local-extension-types.xsd that also includes Swedish and Norwegian codes.

What shall we do with the urn-entsoe-eu-local-extension-types.xsd?

Conclusion:

- We keep all older versions of urn-entsoe-eu-local-extension-types.xsd, such as for the set of eSett xml schemas.

Action:

- Ove will publish a version with only the Nordic NMEG (Znn codes) at www.ediel.org.

- Jan (DK) is asked to see if the Danish Dnn codes should be converted to Nordic Znn codes for the Datahub version 3.0.
- Bent Atle (Fifty) is asked to see if the Swedish and Norwegian codes could be converted to Nordic Znn codes.

7.2   Review of Nordic Operate BRS 1r3A

Regarding ERRP Activation Market Document (CIM version) and ERRP Activation Document (ENTSO-E version):

- Both Document Types:
  - "Z15 DATCR activation, move (change) of planned production" and
  - "A40 DATCR activation (normal activations based on MOL) are present
  However, in the NMEG Code List Library Z15 is market for deletion (to be replaced by A40). Should we add Business Type "A77 Production dispatchable" for Production adjustments (used by Fifty?)?

  - During the meeting Bent Atle informed that none of the two codes are used by NBM. Further, MARI has proposed a solution on time series level instead.

  Conclusion:

  - We keep A40 in the BRS and keep Z15 as deprecated.

- It has earlier been proposed to add Business Type "A77 Production dispatchable". However, we don't know anyone using it.

  Conclusion:

  - We don't add the code.

Action:

- Ove will send the updated Nordic Operate BRS 1r4A to NMEG for one week of approval before publication at www.ediel.org.

7.3   Request for Nordic Trading System BRS 1r7A from Jan (SE)

From Jan (SE):

I see that we may need to add "A46 Balancing Service Provider" in addition to the BRP as roles that can send/receive documents.

There is also a question on what to do with systems that "aggregate" small (production) plants and that sends mFRR bids to Svenska kraftnät. These "flexibility service providers" are not always actors in the market and if so, not legal entities. We cannot sign agreements with systems, we sign agreements with actors. In Norway it could be NODES, in Sweden it could be CoordiNET.

Since the (small) plants can have many different balance responsible parties, we need a long run solution, which temporarily can be handled bilaterally in the flexibility tests after we call the mFRR bids and link it to one and only one BRP (for what we send to eSett). But even now in the tests, the question is how we in Sweden should do with CoordiNET – can a system have a role? They cannot be BRPs because they are not an actor and we only sign Ediel agreements with actors (= legal entities). They cannot get an Ediel agreement because we only sign Ediel

agreements with legal entities. Maybe they'll become an "agent" or a "data provider"? And so, the person who stands as "subject_MarketParticipant" in the bid may be the actor (= the legal person) responsible for the bid.

And, a question for eSett:

- o In the future, if there are more than one BRP behind a bid that the TSOs activates, shall the Service Provider send information to eSett with information of the BRPs involved and their part of the bid? Or, how to make the settlement as correct as possible?

Conclusion:

- We add **A46** Balancing Service Provider to all documents in the Nordic Trading System BRS where there is a BRP.

Action:

- All are asked to investigate how to handle more than one BRP behind a bid that the TSOs activates. Shall the Balancing Service Provider send information to eSett with information of the BRPs involved and their part of the bid? Or, how to make the settlement as correct as possible?

- Ove will send the BRS for Nordic Trading System on circulation for comments to NMEG for one week before publication at www.ediel.org.

- Jon-Egil will ask CIM EG how to cancel a bid in the Reserve Bid Document. In the IEC document 57_2196e_CDV for 62325-451-7 it is stated that 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.

7.4   *Request for Nordic Trading System BRS 1r7A from Mikko (Fingrid)*

This item is for information only.

From Mikko (Fingrid):

To enable FFR bid receival via ECP, Fingrid is in a need of a couple of new business types.

Due to market design of FFR, it is possible for BSPs to send exclusive bids, which a TSO can use either for FFR or FRC-D. For FCR-D Fingrid have a yearly auction and hourly auction which is done on previous day D-1. In addition, Fingrid has defined two different sub-product types for FCD-D: linear activation and one-step activation. These two different auction types and sub-product types would need a new code on Bid Time Series level which could be used when delivering exclusive bids. Bids to TSO are delivered with CIM reserve bid document:

urn:iec62325.351:tc57wg16:451-7:reservebiddocument:7:1

Although we see that Business Type is not a best attribute to distinguish different auctions and sub-products, there is no other better suitable attribute on Bid Time Series level.

Suggested new business types are:

- o Business type: ZXXX Frequency Containment Reserves, Disturbance (FCR-D), one-step activation

- o Business type: ZXXX Frequency Containment Reserves, Disturbance (FCR-D), yearly auction
- o Business type: ZXXX Frequency Containment Reserves, Disturbance (FCR-D), one-step activation, yearly auction

For FCR-D linear product for hourly auction is no suggestions since it business type **Z06** describes it.

Related process and business types:

Process Type: **Z14** Fast Frequency Reserve (FFR) Process

Business type: **Z85** FFR process

Process Type: **A28** Primary reserve process

Business type: **Z03** Frequency Containment Reserves, Normal (FCR-N)

Business type: **Z06** Frequency Containment Reserves, Disturbance (FCR-D)

Response from Ove after verification with Jon-Egil:

We propose that you use the marketAgreement.type (Contract Type) to say if it is an hourly or a yearly auction with the following codes:

A04   Yearly
A13   Hourly

Hence, I have reserved the following Business Type in the Nordic Ediel code list:

Z94	Frequency Containment Reserve-Disturbance (FCR-D), one-step activation	FCR-D one step activation, is a reserve that is automatically activated when the frequency falls below 49.90 Hz after an imbalance, activated in one step, as opposed to a linear activation.

BTW: The Business Type **Z06** is now deprecated – you should use the official ENTZO-E code **C27** instead:

C27	Frequency Containment Reserve - Disturbance (FCR-D)	FCR-D is a reserve that is automatically activated when the frequency falls below 49.90 Hz after an imbalance.

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:**   Status for the MRs sent to WG-EDI.

Decision:

- The following codes will be kept in NBS BRS for TSO-MO.

  Z22 Supportive power

  Z26 Transit triangle

  Z27 Transit redispatch

  Z28 Transit SB Loop Long

  Z31 FRR-M, Balancing Power (Frequency Restoration Reserve - Manual activated reserves (FRR-M), Balancing Power)

  Z34 FRR-M, Quarter regulation (Frequency Restoration Reserve - Manual activated reserves (FRR-M), Quarter regulation when TSO need transfer of production (usually start 15 min earlier))

  Z35 FRR-M, Special Regulation (Frequency Restoration Reserve - Manual activated reserves (FRR-M), Special Regulation where regelation does not affect the regulation price)

  Z36 Hour Change Regulation (to reduce problems encountered at the turn of the hour in the Nordic countries or in Finland, Fingrid reserves the right to transfer the planned changes to begin 15 minutes before or after the planned moment)

  Z37 Power Transaction (Fixed price transaction used for specific purposes outside of ordinary regulation)

  Z38 TSO Internal Countertrades (The time series concern TSO Internal Countertrades)

  Z39 Day Ahead Production Adjustment **(**Energy (production) moved from one hour to another to avoid major changes between hours)

  Z42 FCR-N, D-1

  Z43 FCR-N, D-2

  Z44 FCR-N, D-1, correction

  Z45 FCR-N, D-2, correction

  Z46 FCR-D, D-1

  Z47 FCR-D, D-2

  Z48 FCR-D, D-1 correction

  Z49 FCR-D, D-2 correction

Action item closed.

9   BRS for schedules

Background: The latest version of the BRS for Schedules was published in February 2014. Since then the scheduling processes has changed and NMEG is working on updating the document.

References (links):   The draft BRS can be downloaded from [NMEG working documents](.).

Action(s):
What to decide,
discuss or inform: Review of updated BRS.

Ove had as action from earlier meetings added CIM versions of the documents to the Scheduling BRS. In addition, Ove had done some editorial updates, such as:

- Removed the Nord Pool and eSett logos from the front page of the BRS;
- Rewritten the introduction;

- Cleaned-up references (shortened), including removal of a reference to ECP.

The BRS was reviewed and a lot of updates were done. Further, the action items that has been postponed until start-up of NBM was reopened.

Actions:
- The following actions are reopened since the NBM (Nordic Balancing Model) project has started up:
    1) Jan (SE) and Fedder will check the dependency matrix for ESS schedule document and ESS confirmation report, chapter 7.1 and 7.3.
    2) Fedder, Jan (SE) and Teemu will verify if "A09 Finalised" is (will be) used for the ERRP Planned Resource Schedule Document from BRP to SO, or if it is only "A14 Resource Provider Resource Schedule (Operational schedule)" that will be used (as in Norway), ref. chapter 7.4 in the Schedule BRS;
    SvK and Fingrid will be using A14. Energinet is pending.
    3) Everyone should verify and possibly update the "Used in" column in chapter 7.4.3;
    4) Teemu will find Finnish usages of Business types in chapter 7.4.4;
    5) Everyone should verify and possibly update the "dependency matrix" in chapter 7.4.5.
- There is a lot of mismatch between the currently used outage document and the CIM version. Jon-Egil will investigate with NOIS what to do with it.
- Ove will make a MR for addition of curve type to Planned Resource Schedule and confirmation.
- Ove will clean-up the BRS for Schedules and distribute it to NMEG for a new review at the next NMEG meeting.

10   XML schemas (to remember item)

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

References (links):

Action(s):   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.

**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.

Action:

- 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.
- Bent Atle is asked to fill in the versions used by NBM/Fifty.

11   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.

The CIM-XML Subgroup has made a CIM mapping document for the Danish downstream market, completed for three documents and including code list schemas for all relevant codes:

1. AP characteristics (master data)
2. Measure Data for a Metering Point
3. Aggregated Time Series

There has been an ETC discussion if the schemas should be "flattened" or not. Ove informed that we can generate non-flattened xml schemas with CIMSyntaxGen if we generate from the contextual model instead of from the assembly model.

Some questions from the group:

- Which header to use in downstream xml schemas, ebIX® or ENTSO-E?
  Conclusion:
    o NMEG advise using the 62325 based Market Document class as header.

- Which code list to use for roles and codingScheme/listAgencyID, ENTSO-E or UN/CEFACT?
  Conclusion:
    o NMEG advise using codingScheme/listAgencyID from the ENTSO-E code list.

11.1   Report from NMEG CIM-XML Subgroup; GoToMeeting June 10th

- Participants Jan (DK), Jan (SE), Ove and Teemu;
- Ove had as action continued adding code lists to the EA model – currently six code lists have been added;
- The current used code list XSD is generated from the CIM model using CIMSyntaxGen, however with some manual corrections for inclusion of the ENTSO-E cod list XSDs;
- Ove had also moved the ebIX® ACCS, datatypes and enumerations to a new European Style Downstream Market Profile (ESDMP).

- The main part of the meeting was used to go through the xml version of the RSM 022 Accounting Point characteristics to verify the datatypes used. At the next meeting we should continue starting on the Market Evaluation Point class.
- To distinguish between electricity and gas we will use the CIM Service Category class, which has been associated with the Market Document class as «CIMExtension».

Actions:

- Jan (DK), Christian and/or Fedder will verify:
    - o If we shall use the "standard ENTSO-E CIM header" (Market Document class) or create something like the ebIX® header (as used today)?
    - o If Business Reason Code is used elsewhere than in the header, i.e. if we should add all Business Reason Code to the ENTSO-E Local Process Type List?
    - o If we should use UN/CEFACT role codes (as used today) or ENTSO-E codes?
    - o If we should use UN/CEFACT List Agency ID codes (as used today (9 or 305) or ENTSO-E codes (A01/A10)?
    - o If we still need the Function (**2** Add, **3** Delete, **4** Change)? If yes, in the MktActivityRecord or in the MarketDocument?
- Ove will add Danish DocumentNameCodeType (page 276) and BusinessReasonCode (page 273) to the ENTSO-E local code list.;
- Ove will remove period from the header of the master data document;
- Ove will make MarketEvaluationPoint.mRID of type ID_String (from the ESMP profile):
    - o Information from after the meeting: Changed to MeasurementPointID_String from the ESMP profile – then we also get the coding scheme type attribute.

11.2 Report from NMEG CIM-XML Subgroup; GoToMeeting June 17th

- Participants Christian, Fedder, Jan (DK), Jan (SE) and Ove;
- Jan (DK)had as homework verified:
    - o If we shall use the "standard ENTSO-E CIM header" (Market Document class) or create something like the ebIX® header (as used today)?
        - Jan (DK): Belive this not so important, awaiting Fedder opinion.
        Conclusion:
            - We will ask NMEG of their opinion.
    - o If Business Reason Code is used elsewhere than in the header, i.e. if we should add all Business Reason Code to the ENTSO-E Local Process Type List?
        - Jan(DK): We use it in eventcode, but we see no reason to add Business Reasen Code to type list, because we probably not using eventcode in the future
        Conclusion:
            - For the time being, keep it as is.
    - o If we should use UN/CEFACT role codes (as used today) or ENTSO-E codes?
        - Jan(DK): entso-e if we can agree on this
        Conclusion:
            - We will ask NMEG of their opinion.
    - o If we should use UN/CEFACT List Agency ID codes (as used today (9 or 305) or ENTSO-E codes (A01/A10)?
        - Jan(DK): is this relevant? if there at list from IEC?

> > *Conclusion:*
> > - We will ask NMEG of their opinion.
> o If we still need the Function (**2** Add, **3** Delete, **4** Change)? If yes, in the MktActivityRecord or in the MarketDocument?
> > ▪ Jan(DK): We need this for DH 2.0, and do not know if we need in DH 3.0, how is this handle in other countries? Do you need to change prices or timeseries?
> > *Conclusion:*
> > - For the time being, keep it in MktActivityRecord.
- Ove had as homework added Danish DocumentNameCodeType (page 276) and BusinessReasonCode (page 273) to the ENTSO-E local code list, removed period from the header of the master data document and updated data types in the CIM ESDMP profile.
- The main part of the meeting was used to:
  - o Continue a walkthrough the xml version of the RSM 022 Accounting Point characteristics to verify the datatypes used.
  - o Trying to find a way where we avoid using the ENTSO-E namespace in the ebIX® (Ediel) code list.

Actions:

- We will ask NMEG to discuss:
  - o Which header to use in downstream xml schemas, ebIX® or ENTSO-E?
  - o Which code list to use for roles and codingScheme/listAgencyID code, ENTSO-E or UN/CEFACT?

11.3 Report from NMEG CIM-XML Subgroup; GoToMeeting June 23ʳᵈ

- Participants Christian, Jan (DK), Jan (SE), Jon-Egil and Ove;
- The first part of the meeting was used to agree on a MR to CIM EG for addition of auction.mRID to the Balancing Market Document.
- Jan (SE) and Ove had tried to find a solution for merging ENTSO-E and ebIX® code lists without using the ENTSO-E namespace outside of the ENTSO-E code list, however without any success so far. Fedder, Jan (SE) and Ove will make a new try on Friday 26ᵗʰ.
- Ove had renamed the scheduledMeterReadingDate to nextReadingDate and added the «CIMdatatype» ESDMP_MonthDay and «Primitive» MonthDay datatypes to be used with the nextReadingDate attribute.
- The main part of the meeting was used to continue the walkthrough of the xml version of the RSM 022 Accounting Point characteristics to verify the datatypes used.

Action:
- Ove will make xsd's for the measure documents we have made and send to the NMEG CIM Subgroup.
- Ove will make a data type for contractedConnectionCapacity based on ESMP_ActivePower but with value of type string. And, verify that unit can have other values than MAW.
- Ove will add the ebIX® code list for Physical Status Code, to be used for `connectionState`.
- Ove will add the ebIX® code list for Disconnection Method Code, to be used for `disconnectionMethod`.

11.4 Report from NMEG CIM-XML Subgroup; GoToMeeting July 8th

- Participants Christian, Jan (DK), Jan (SE) and Ove;
- The meeting regarding a solution for merging ENTSO-E and ebIX® code lists without using the ENTSO-E namespace outside of the ENTSO-E code list, has been postponed to Friday July 10th. Participants Fedder, Jan (SE) and Ove.
- Ove had as actions:
  - Made xsd's for the measure documents we have made and send to the NMEG CIM Subgroup.
  - Made a data type for contractedConnectionCapacity based on ESMP_ActivePower but with value of type string. And, verify that unit can have other values than MAW.
  - Added the ebIX® code list for Physical Status Code, to be used for `connectionState`.
  - Added the ebIX® code list for Disconnection Method Code, to be used for `disconnectionMethod`.

- During the meeting the rest of the attributes in the Accounting Point Characteristics Market Document were gone through and data which datatypes to use were agreed.

Conclusions:

- The CIM address structure contains several attributes not used in Denmark. However, this address structure is being discussed within IEC and will be changed in the foreseeable future. Hence, for simplicity, we keep the structure as is.

Action:

- Ove will:

  - Add a code list for mPConnectionType:

    D01   Direct
    D02   Installation

  - Make the productionObligation of datatype Boolean (ESMDP «Primitive») and investigate how it works ;
  - Make physicalConnectionCapacity (MP Capacity) of type DecimalQuantity based on IEC 61970;
  - Make Energy Supplier and BRP of datatype PartyID_String;
  - Make Description (Location Description) of datatype string with Characters60_String – new ESDMP datatype;
  - Make a code list for UsagePointLocation/remark:

    D01 Washable
    D02 Not Washable

  - Make geoInfoReference (DAR Referance) of type UUID36_String- new ESDMP datatype;
  - Make InMGA and OutMGA of datatype Area_ID_String and rename MGA to Metering Grid Area;
  - Linked, parent and child MP/AP will be of MeasurementPointID_String;
  - "Energy label" will be renamed to "EnergyTechnologyAndFuel" and use datatype AssetType;
  - Meter/mRID will be of datatype ID_String.

Information after the meeting:

- Valid values for productionObligation of ESMDP «Primitive» datatype Boolean are: 0, 1, true and false.

12   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 volunteered finding proposals for a picture;
- When a picture is agreed, Teemu will add it to www.ediel.org.

13   Information (if any)

None.

14   Next meetings

Unless otherwise explicitly stated, the meetings start at 09:00 (CET) the first day and end 16:00 (CET) the second day.

NMEG meetings:

- Monday September 21st 10:00 – 11:00, GoToMeeting
  - Decide if next meeting will be a face-to-face meeting or a GoToMeeting

- Tuesday and Wednesday October 27th and 28th in Svenska kraftnät's offices in Sundbyberg:
  - Incl. common ½ day meeting with eSett SLA group on Wednesday 28th.

- December 15th and 16th, Edisys' offices in Oslo
- February 2nd and 3rd, Energinet's offices in Erritsø (?)

NMEG CIM-XML subgroup GoToMeetings:

- Wednesday August 26th 10:00 – 11:30 (CET);
- Wednesday September 2nd 10:00 – 11:30 (CET);

15   AOB

15.1   *Improvement of timing and procedure for NMEG (Nordic) IEC commenting*

From Fedder:

First of all, I do think it is great that we discuss responses to IEC standards before submitting them. That is all good.

However, I do find it rather unfortunate that we start discussing pretty fundamental modelling issues at the CDV stage. Mind you all that "they" are not creating these documents. We are creating them, thus we are consequently expected to be aligned with the content thereof. And with We I mean ENTSO-E member organizations, as is rightfully mentioned in line 22-23 "This part of IEC 62325 was originally based upon the work of the European Network of Transmission System Operators (ENTSO-E) CIM Expert Group (formerly Working Group EDI)." Where all Nordic TSOs are represented.

Yes some of the work is now concretely taking place in the ESMP subgroup, but we were all exposed to the first version (I could easily find) of the HVDCLink_MarketDocument back in December 2014, so one should assume that we'd all have had plenty of opportunities to provide feedback beforehand. (See attached 11_HVDC_link-IG 1_3.pdf)

I just learned that the secretary of the Danish national committee of TC57 is on vacation and have already submitted votes and comments to these documents. So, Denmark is in favor without comments. Sigh, but shit happens…

All in all, it is great to see ongoing discussions for alignment across the Nordic region, but I do think there's "room for improvement" with regards to timing and procedure and that this should be put on the agenda for NMEG in the fall.

From discussion:

- Most of the IEC documents that concerns CIM based documents used in the Nordic countries originates from CIM EG subgroups.

Conclusion:

- The Nordic CIM EG members are asked to be more proactive and try to get minutes and early draft documents from CIM EG subgroups, so that these can be distributed to NMEG and discussed at NMEG meeting.

- We will add a permanent item on the NMEG agenda for review of documents from CIM EG subgroups that is of interest for the Nordic market.

Appendix A   Overview of Nordic memberships in international standardisation bodies

Name	Member of
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
Jari	NMEG, CIM EG
Jon-Egil	NMEG, CIM EG, IEC/WG16, ESMP, CCC, CIO/LIO, TPC
Martin (SE)	CCC
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)
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					
2.	NEG ERRP Reserve Allocation Result Document	a) NBS BRS for TSO/MO b) BRS for Trade	1.0					
3.	NEG Area Specification Document	a) NBS BRS for Master Data b) BRS for Trade	1.0[1]	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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[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.