Present:	Christian, Energinet
	(Fedder, Energinet)
	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, 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:

- NMEG recommendation for asynchronous communications (NMEG 20190327), see item 17.1 under AOB;
- CIM EG and ebIX® Area project, see item 17.2 under AOB;
- Reintroduction of Control Area in HRM (Harmonised Role Model), see item 17.3 under AOB;
- Resolution for timeseries with only one observation, see item 17.4 under AOB;
- Best practice for version numbering, see item 17.5 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 grout.

References (links):

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

Continued action:

- NEX will investigate if NEX should have their own folder at 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 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.

Ove had as homework added NBM "scheduling documents" to the BRS for Nordic Scheduling and Ancillary Services Processes and started on addition of NBM "trade documents to the BRS for Nordic trading system.

The Scheduling BRS was reviewed, see item 10.

Bent Atle/Jon-Egil Informed that there is an ongoing task within NBM to find "Znn" codes for the national codes that are used today. The goal is that NBM only shall use official codes, such as Nordic, European (ENTSO-E) or international codes.

Pending list (to remember items):

- NBM Capacity Market Documents (Current mFRR ATC, Current NTC, Day Ahead NTC, Intraday NTC) 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.
- NBM ACE OL documents and Measurement Value Market Documents will be added to the Nordic Operate BRS;

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 15th.

- 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 ETC.

Continued action:

- Jan (SE) will investigate further the details related to the Energy Supplier getting the "Start of delivery date".

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.

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) ~~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)

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.

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

Jan (DK) informed that the Danish Dnn codes will not be converted to Nordic Znn codes for the Datahub version 3.0.

Bent Atle (Fifty) had as action to see if the Swedish and Norwegian codes could be converted to Nordic Znn codes. This was however answered under item 6 above.

Item closed.

9.2   BRS for Nordic Trading System

Ove had as action asked Tor Åge (NordPool) if the Spot Market Bid Document still is used or if we can remove it. The response was that NordPool doesn't uses any of the NMEG (Ediel) xml schemas (NordPool

still uses EDIFACT messages, in addition to JSON based APIs), hence we don't need to keep the old version of the BRS at www.ediel.org because of NordPool.

Actions from previous meeting:

- Ove will replace the Area Specification Document in the BRS for Nordic Trading System to the latest Area Configuration Document.
  Status:
  - o Ove has started on the update, but as not managed to finalise it – to be continued.

- Ove will update the BRS, including update of all "old non-CIM" documents to CIM versions.
  Status:
  - o Ove has started on the update, but as not managed to finalise it – to be continued.

- Jan (SE) and Jon-Egil will continue discussion in 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.

  Status:
  - o The problem was pointed out from Sweden in the CDV, but no FDIS yet, hence postponed.

- All are asked to find what Business Types are used in the ERRP Reserve Bid Document and especially if the following are used:
  - **Z35** Commercial
  - **Z36** Reserve
  - **Z49** Commercial production
  - **Z50** Commercial wind production
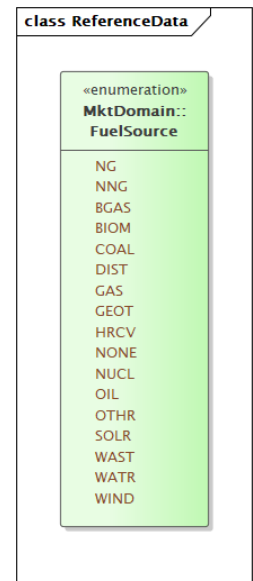 - **Z51** Commercial consumption

  Status:
  - o Tage, Jan (SE) and Miika will verify if the codes above are used by Denmark, Sweden and Finland.

  And, if there is a need for specifying these as Business Types or if we should ask for addition of an Asset Type to the Reserve Bid Document:
  1. Aggregate commercial heat load (heat pumps in office buildings)
  2. Aggregated electric vehicle chargers (mainly commercial but also private)
  3. Aggregated private heat pumps
  4. Reserve power
  5. Cogeneration (Combined Heat and Power)
  6. Commercial load (industry)

  Status:
  - o We will ask CIM EG for Asset Types.

  - o Jan (SE) mentioned that these should have been fuel types and/or technology and informed that ebIX® has sent a request to IEC for these codes.

  - o And, Bent Atle informed that there already is a Fuel Type (Fuel Source) in CIM:

class ReferenceData

«enumeration»
MktDomain::
FuelSource

NG
NNG
BGAS
BIOM
COAL
DIST
GAS
GEOT
HRCV
NONE
NUCL
OIL
OTHR
SOLR
WAST
WATR
WIND

Actions:

- In Ove will update the BRS for Nordic Trading System, including:
    - Replace the Area Specification Document with the latest Area Configuration Document;
    - Update all "old non-CIM" documents to CIM versions;
    - Remove the NEG Spot Market Bid Document.

- Jan (SE) and Jon-Egil will continue discussion in 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. Waiting for FDIS.

- Tage, Jan (SE) and Miika will find what Business Types are used in the ERRP Reserve Bid Document and especially if the following are used:

    Z35   Commercial
    Z36   Reserve
    Z49   Commercial production
    Z50   Commercial wind production
    Z51   Commercial consumption

- Ove will make a MR asking for addition of an Asset Types to the Reserve Bid Document and addition of the following new codes:
    1. Aggregate commercial heat load (heat pumps in office buildings)
    2. Aggregated electric vehicle chargers (mainly commercial but also private)
    3. Aggregated private heat pumps
    4. Reserve power
    5. Cogeneration (Combined Heat and Power)
    6. Commercial load (industry)

- Ove will remove the two older versions of the "NEG Schemas for Market Operator" and remove the NEG Spot Market Bid Document from the remining "NEG Schemas for Market Operator" zip-file at www.ediel.org.

10   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.

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

Actions from previous meeting:

- Miika will find Finnish usages of Business types in chapter "6.2.5 Attribute usage Ediel ERRP Planned Resource Schedule Document, Ancillary services schedule (CIM version)" in the BRS for Schedules;
    Status:

- o Due to lack of time, we didn't reach this far in the BRS – to be handled at the next NMEG meeting.

- Everyone should verify and possibly update chapter "6.2.6 Dependency matrix: Ediel ERRP Planned Resource Schedule Document, Ancillary services schedule" in the BRS for Schedules;
  Status:
  - o Due to lack of time, we didn't reach this far in the BRS – to be handled at the next NMEG meeting.

- Jon-Egil will continue the investigation regarding mismatch between the currently used outage document (NOIS) and the CIM version;
  Status:
  - o Continued action.

- Ove will update the BRS with information from NBM and agreed updates during the meeting.

  Status:
  - o The BRS has been updated.

Actions:

- Miika will find Finnish usages of Business types in chapter "6.2.5 Attribute usage Ediel ERRP Planned Resource Schedule Document, Ancillary services schedule (CIM version)" in the BRS for Schedules;
- Everyone should verify and possibly update chapter "6.2.6 Dependency matrix: Ediel ERRP Planned Resource Schedule Document, Ancillary services schedule" in the BRS for Schedules;
- Jan (SE) will verify if all Swedish specialities are present in the activity diagram in chapter 5.2;
- Jon-Egil will continue the investigation regarding mismatch between the currently used outage document (for NOIS) and the CIM version;
- Jon-Egil will raise the question in CIM EG; on how to use Fuel Type and Technology?
- Ove will clean up the BRS for Schedules based on agreed updates during the meeting.

10.1   Weather information to be sent to Svenska kraftnät

Ove had as action from previous meeting made a MR to CIM EG for the Energy Prognosis Document asking for addition of Process Type in the Market Document class and changing the order of the attributes in the Series_Period class. The MR was sent to Jon-Egil for submission to CIM EG on November 9th.

Not yet handled by CIM EG. Item to be continued as a new subitem under item 8.

11   XML schemas

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

When we start a project together with NBM (Nordic Balancing Model), everyone are asked to find what versions of xml-schemas are used to day in different projects and come up with proposals for new schemas and/or sets of schemas that should be published at www.ediel.org.

References (links):

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

Continued actions:

- All are asked to find what versions of xml-schemas are used to day in different projects and come up with proposals for new schemas and/or sets of schemas that should be added to Appendix B and be published at www.ediel.org.

- Ove will update the table based on NBM documentation received from Bent Atle (NBM/Fifty).

  Status:
    o This will be done after the NBM documents has been added to relevant BRSs, hence postponed.

12 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.

12.1 Report from NMEG CIM-XML Subgroup; GoToMeeting November 2nd.

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

- All had as action from previous meeting to investigate (think about) if we shall change the root payload class for RSM 033 Request change of Price List from MktActivityRecord (Event class in ebIX®) to Series (Charge_Series)?

  Conclusion:
    o We make a new association from ChargeType to Series_Period (none of the alternatives above).

- Jan had as action sent a mail to Becky (WG16), asking for how to deal with VAT indicator and VAT level. However, without any response yet – to be followed up.

- Ove had as action update the model and memo:
  - Add a separate occurrence of ServiceCategory qualified with EletricalHeating
  - Make a Danish attribute for Transparent Invoicing in a new DK_ChargeType class
  - Make a Danish attribute for Tax Indicator in a new DK_ChargeType class

- It was a discussion how to handle "Charge period" and/or "Price time frame" – the latter is currently used in the ebIX® BRS for billing.

  Conclusion:
  - We model according to the current ebIX® principle, I.e. using a "Price time frame".

  Action:

  - Ove will update the model and continue with RSM 24/25 (Cancellation and notify cancellation), and thereafter RSM 31 (Notify master data charge).

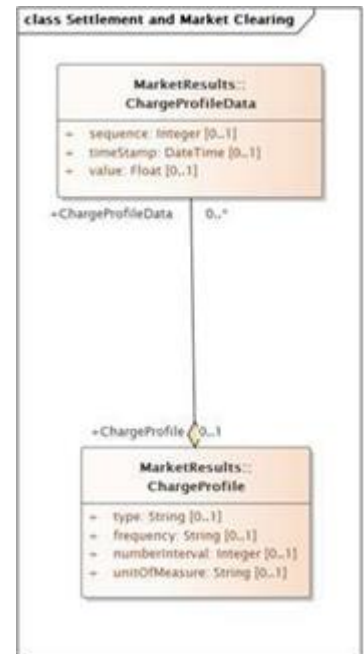## 12.2 Report from NMEG CIM-XML Subgroup; GoToMeeting November 10th.

- Participants Christian, Jan (DK), Jan (SE) and Ove.
- No news regarding mail to Becky (WG16), asking for how to deal with VAT indicator and VAT level (sent by Jan (SE) after our meeting October 26th).
- During the meeting, Jan (SE) sent a new mail to Becky:

  There are also some other "charge"-classes in CIM, see picture below (to the right). But looking again at "ChargeType" we miss the descriptions of the attributes, like "factor". What will it be used for? ChargeType is part of IEC 62325-301, but not so much documented… Who would know?

- Ove had as homework made proposals for RSM and 24 and 25, and 31.

  - It was agreed to handle the new ebIX® attribute Price Time Frame by making a new ACC "Billing_Period" where timeInterval is of type Duration.

  Actions:

  - Ove will compare the documents made with the ebIX® BRS to see if they are in line.
  - Ove will make the following new mappings (in prioritised sequence):
    1. RSM-009 Acknowledgement
    2. RSM-005 End of supply
    3. RSM-004 Generic Notification
       - Include parties from ebIX® model [0..1] (Energy Supplier, BRP and Shipper)
    4. RSM-018 Reminder
    5. RSM-003 Generic resume process
    6. RSM-020 Request for services from Electricity Supplier to Grid Company (?)

12.3 Report from NMEG CIM-XML Subgroup; GoToMeeting November 16th.

- Participants Christian, Jan (DK), Jan (SE) and Ove.
- No answers regarding mails to Becky (WG16):
  - Asking for how to deal with VAT indicator and VAT level (sent by Jan (SE) after our meeting October 26th).
  - Looking at "ChargeType" we miss the descriptions of the attributes, like "factor". What will it be used for? ChargeType is part of IEC 62325-301, but not so much documented... Who would know?

- Questions:
  - Shall we Rename marketEvaluationPointType in MarketEvaluationPoint to just type (agreed in ETC November 11th)?

    Conclusion:
    - We rename marketEvaluationPointType to type

  - Shall we move scheduledMeterReadingDate and meterReadingPeriodicity from MarketEvaluationPoint to UsagePoint?

    Conclusion:
    - We remove scheduledMeterReadingDate from MarketEvaluationPoint (we already use nextReadingDate from UsagePoint)
    - We use readCycle from UsagePoint instead of meterReadingPeriodicity from MarketEvaluationPoint with datatype monthDay
    - We remove meterReadingPeriodicity from MarketEvaluationPoint

  - What about other attributes in MarketEvaluationPoint?

    Conclusion:
    - Too early – no decision in WG 16 yet

- Christian informed that it seems that prices will be sent as timeseries, instead of the principles currently specified in the ebIX® BRS and in the Danish memo.

Continued and new actions:

- Ove will compare the documents made with the ebIX® BRS to see if they are in line.

- Ove will make the following new mappings (in prioritised sequence – 1. And 2. Are most important):

  1. RSM-009 Acknowledgement
  2. RSM-004 Generic Notification
     - Include parties from ebIX® model [0..1] (Energy Supplier, BRP and Shipper)
  3. RSM-005 End of supply
  4. RSM-018 Reminder
  5. RSM-003 Generic resume process
  6. RSM-020 Request for services from Electricity Supplier to Grid Company (?

- Ove will inform EBG (Gerrit) that it seems that prices will be sent as timeseries, instead of the principles currently specified in the ebIX® BRS. If decided, should ebIX® do changes to the billing BRS?

- Participants Christian, Jan (DK), Jan (SE) and Ove.
- No response from Becky (WG16) to questions from Jan (SE):
  - Asking for how to deal with VAT indicator and VAT level (sent by Jan (SE) after our meeting October 26th).
  - Looking at "ChargeType" we miss the descriptions of the attributes, like "factor". What will it be used for? ChargeType is part of IEC 62325-301, but not so much documented… Who would know?
- Ove had as homework compared the mapping in the Memo "Mapping of Danish downstream documents to CIM" with the documents in the ebIX® BRSs to see if they are in line, except for the las three documents in the memo.
- Ove had also as homework made mappings of "RSM-009 Acknowledgement" and "RSM-004 Generic Notification".
- Ove had informed EBG (Gerrit) that it seems that prices will be sent as timeseries, instead of the principles currently specified in the ebIX® BRS. For the time being, the information was taken ad notam.
- It was a discussion if Denmark should use a Registration_DateAndOrTime, or a Version at Time Series level. For the time being we will use a Registration_DateAndOrTime – this is already present both for "Notify Measure Data for a Metering Point" and for "Notify Aggregated Time Series".

Actions:

- Ove will compare the rest of the mapped documents with the corresponding document in the ebIX® BRSs to see if they are in line.
- Ove will make the following new mappings (in prioritised sequence – 1. And 2. Are most important):
  1. RSM-005 End of supply
  2. RSM-018 Reminder
  3. RSM-003 Generic resume process
  4. RSM-020 Request for services from Electricity Supplier to Grid Company (?)
- All are asked to come up with proposals for the header (structure and which attributes to include).

13   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 will find the original picture and include Denmark;
- When a picture is ready, Teemu will add it to www.ediel.org.

14 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 to review.

15 Information (if any)

Jon-Egil is elected as convenor of the ENTSO-E CIM EG – **Congratulations**!

And Jan (SE) has become a member of the ENTSO-E ESMP SG – **Also congratulations**!

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

NMEG Corona GoToMeetings:

- Tuesday December 15th, 10:00 – 12:00 and 13:00 – 15:00
- Wednesday January 13th, 10:00 – 12:00 and 13:00 – 15:00
- Tuesday February 9th, 10:00 – 12:00 and 13:00 – 15:00

NMEG scheduled face-to-face meetings[1]:

- None scheduled

NMEG CIM-XML subgroup GoToMeetings:

- Monday November 30th, 10:00 – 11:30 (CET);

17 AOB

17.1 *NMEG recommendation for asynchronous communications (NMEG 20190327)*

From Miika:

> Actually, a concern from Fingrid security came up that they wanted me to confirm regarding the documentation in ediel.org – they are in the middle of the MVS security plan audit and this document was raised up:

---

[1] 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.

It describes the network topology in chapter 9 and they said it should not be publicly available.

Here are some definitions from the security point of view:

"

134 (17) Relevant Records: means all data, logs, information, files, text, drawings, records,
135 documents and other materials which are embodied in any medium (including, without
136 limitation, any electronic, optical, magnetic or tangible media) associated to the
137 provision of the OPDE Services and ATOM Services and operation of the OPDE Client
138 Infrastructures, which enable to control the compliance of the Services with the Service
139 Levels and Requirements. Relevant Records are identified to include but not limited to
140 a) architectural information (e.g. infrastructure diagrams, communication matrix)
141 about the OPDE Hosting Environments and the ATOM Network Management
142 Environment "
"

The document is currently removed from www.ediel.org.

Action:

- Jon-Egil will send the document "NMEG recommendation for asynchronous communications" to the NDS (Nordic Digital Security) group and ask for their position regarding publication.

- Ove will republish it without chapter 9.

17.2   CIM EG and ebIX® Area project

The proposed project plan for an ebIX® and CIM EG Area project was approved by ebIX® Forum at the forum meeting November 17th.

Can we expect any interest from CIM EG?

Action:

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

17.3   Reintroduction of Control Area in HRM (Harmonised Role Model)

From HG (Harmonisation Group) minutes 20201124:

The discussion if a "new Control Area" shall be added to the HRM continued.

Alexander (ENTSO-E) informed that the Control Area is either equivalent to one Scheduling Area or an aggregation of more Scheduling Areas. For instance, in the Nordics and in Italy several Scheduling Areas are aggregated before settlement. Typically used as a "TSO-Area" (operated by one LFC Operator?). The Control Area is also used for operations, such as when a TSO is coupled/decoupled to/from a platform.

The definition of the "previous Control Area":

The composition of one or more Market Balance Areas under the same technical load frequency control responsibility.

Note:

In some cases there may be some Metering Points that belong to a Market Balance Area that is not a part of the Control Area. However, these do not impact the general definition, for example, a village in one country connected to the grid of another.

CIM definition:

A control area is a grouping of generating units and/or loads and a cutset of tie lines (as terminals) which may be used for a variety of purposes including automatic generation control, powerflow solution area interchange control specification, and input to load forecasting.   Note that any number of overlapping control area specifications can be superimposed on the physical model.

According to transparency regulation:

"Control Area" means a coherent part of the interconnected system, operated by a single system operator and shall include connected physical loads and/or generation units if any.

Among others, the Control Area is used in the [Common Platform for manually activated restoration reserves IG v1.0.pdf](). However, it doesn't seems that the usage of Control Area and Scheduling Area in this document is used consistently.

DW proposed adding the Control Area with the definition from transparency regulation, associated to one or more Scheduling Areas named "Is composed of" (and having the LFC Operator as the responsible party for the Control Area?):

Addition of the Control Area:	20201124: New proposal.
A coherent part of the interconnected system operated by a single System Operator and included connected physical loads and/or generation units if any. Associated to one or more Scheduling Areas named "Is composed of".	

HG Action:

- DW will verify the new proposal with CIM EG and other colleagues.

From NMEG discussion:

- The Control area is need in Denmark since a Synchronous Area is composed of one or more LFC Blocks, since neither LFC Blok nor LFC Area covers the whole of Denmark.

- An important part of the definition is that there is only one TSO operating it.

- The definition of transparency regulation seems as a good definition under the condition that the terms "coherent" covers the Danish case with HVDC links.

Conclusion:

- The current proposal for definition seems fine from a Nordic point of view.

Item closed.

17.4 Resolution for timeseries with only one observation

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".

Action:

- Jan (SE) will verify if the solution for a resolution for timeseries with only one observation is satisfactory;
    - o   If yes, Ove will add the rule to NMEG Common rules and recommendations.

17.5 Best practice for version numbering

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.

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.

The item will be put on the next NMEG meeting.

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   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[2]	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						

[2] 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.