		NMEG
Minutes: NMEG meeting **Date:** Tuesday October 12th **Time:** 10:00 – 12:00 and 13:00 – 15:00 **Place:** GoToMeeting		Nordic Market Expert Group
October 13th, 2021		

Present:	Antti, eSett, FI Christian, Energinet Jan (DK), Energinet Jan (SE), Svenska kraftnät Jon-Egil, Statnett (Convenor) Miika, Fingrid 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):	Antti, 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:

- Missing definitions in the Ediel Code List, see item 9.4.
- Update of BRS for TSO-MO (addition of FCR-D down direction and code name changes), see item 9.5.
- Exchange of measure documents, see 13.1.
- How to specify that document is partly accepted? See item 14.5.
- Migration from DELFOR to ERRP schedule documents, see item 18.1 under AOB.

2   Approval of previous meeting minutes

The previous meeting minutes were approved after removal of some double spaces. The approved minutes can be downloaded from the Statnett eRoom.

3   Status from NEX (Nordic ECP/EDX Group)

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

References (links):

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

Miika informed:

- Working with upgrade to ECP version 4.8.x.
- Processes around failover broker related to NBM implementations.
- It seems that MARI and PICASSO will get separate ECP networks, since no-one so far has greed to take the responsibility for a common platform.

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

4.1   CNTC IG

Fedder asks if NMEG can and will help the NORCAP project to create an implementation guide for the CNTC (Coordinated Net Transfer Capacity) process, including an information model that is consistent with the ESMP?

The item was postponed.

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.

Bent Atle has informed that a public NBM page has been launched:

   https://nordic-balancing.pages.fifty.eu/information/common-guidelines.html

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.

6.1   Status for NBM discussion related to MR for a new attribute for the Run ID.

The item was postponed.

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: Status for MR to ETC and if needed making new MRs.

NMEG MR	Request	ebIX® status
NMEG 2020/1 (180)	Request for: 1) "Regulation Type" to identify the origin of the energy (thermal, wind, hydro and consumption) 2) "Production Category", currently called Production Type (normal, minor) 3) Aggregation-criteria for "Type of metered data", currently implemented as ENTSO-E Business Types (production, consumption, losses, ….) (The request originates from NBS)	Waiting for ebIX® RtR project to review BRS for Measure for Imbalance Settlement
NMEG 2021/2	1) Add a "Supply Start Date" to the AP Administrative Characteristics class in Alignment of AP characteristics BRS. 2) Submit a MR to IEC/TC57/WG16 for addition of association from the MktActivityRecord class to the DateAndOrTime class. (The request originates from the Swedish data hub)	Waiting for EBG to review BRS for Alignment of Accounting Point characteristics
NMEG 2021/3	1) Add a new attribute Reporting Resolution to the AP Administrative characteristics class. 2) Add a new attribute Reporting Interval to the AP Administrative characteristics class. (The request originates from the Swedish data hub)	Waiting for EBG to review BRS for Alignment of Accounting Point characteristics

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 CIM EG.

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

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

The addition of Asset Types from NMEG 2020/188 is still pending in CIM EG.

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   BRS for Schedules: CIM version of Outage document

Status for a request to the OPC group to agree on how to implement the CIM version of the Outage Document.

The item is still pending.

9.2   ENTSO-E: Best practice for version numbering

A   Status for "ENTSO-E Best practice for version numbering" as reviewed and agreed at NMEG meeting March 12th.

B   If approved by CIM EG: Review of text for the revisionNumber in the NMEG BRSs, to see if we are in line with the proposed "ENTSO-E Best practice for version numbering".

The item is still pending.

9.3   Usage of Document Codes in the Activation Market Document

At the previous NMEG meeting August 26th it was proposed having the information "Faster than standard FAT" (Z37), "Faster than standard deactivation time" (Z38) and "Slower than standard FAT" (Z39) as Business Types instead of Document types in the Activation Market Document.

Continued action:

- Jon-Egil will contact MARI experts and ask for their support – if OK, the intention is making MRs to CIM EG for these Business types.

9.4   Missing definitions in the Ediel Code List

Bent Atle has created a transformation that runs through ENTSO-E and NMEG code lists and creates a document. The document is intended to be published on NBM. But:

1. Some NMEG codes are missing Definition:
   a)   Role code **Z06.**
   b)   Process type code **Z08**, **Z09**, **Z10** og **Z11**
2. First value, if this is **A01** should be removed?

Missing definitions were added to the Nordic code lists and duplicate codes (e.g. **A01**) will be removed from the local code list schema.

Action:

- Ove will remove the duplicate codes from the local code list schema, update missing definitions and publish the xsd directly.

Item closed.

9.5   *Update of BRS for TSO-MO (addition of FCR-D down direction and code name changes)*

From Tommy (eSett)

I would like to introduce changes to BRS for TSO-MO:

1. **Direction changes (Down direction added) Valid from January 1ˢᵗ 2022**

Balancing Sub-Service	Reason Code	Direction
FCR-D, D-1	Z46	A01 or A02
FCR-D, D-2	Z47	A01 or A02
FCR-D, D-1 correction	Z48	A01 or A02
FCR-D, D-2 correction	Z49	A01 or A02

In NBS BRS for TSO-MO 5.3.4 Dependency matrix: Ediel ERRP Reserve Allocation Result Document:

			or A03									
				Z42	FCR-N, D-1			✓				
				Z43	FCR-N, D-2			✓				
			A03	Z44	FCR-N, D-1, correction			✓				
A28 (Primary Reserve process)	A11 (Primary control)	A81		Z45	FCR-N, D-2, correction	BRP or BSP	N/A	✓				
			A01 ~~or~~ A02	Z46	FCR-D, D-1			✓				
				Z47	FCR-D, D-2			✓				
				Z48	FCR-D, D-1 correction			✓				
				Z49	FCR-D, D-2 correction			✓				
			A01 or A02	Z56	FFR			✓				
A29 (Seconda	A12 (Seconder	A28	A01 or A02	Z30	FRR-A	BRP		✓	✓	✓	✓	✓

Conclusion:

- We publish two versions of the BRS. The one that is valid from January 1ˢᵗ, 2022, will have an attached note stating that it is valid from January 1ˢᵗ, 2022.

2. Name changes from medio 2022

Current name	Proposed new name from medio 2022	Agreed new name from medio 2022
FCR-D, D-1	FCR-D, D-1 late	FCR-D, late
FCR-D, D-1, correction	FCR-D, D-1 late correction	FCR-D, late correction
FCR-D, D-2	FCR-D, D-1 early	FCR-D, early
FCR-D, D-2, correction	FCR-D, D-1 early correction	FCR-D, early correction
FCR-N, D-1	FCR-N, D-1 late	FCR-N, late
FCR-N, D-1, correction	FCR-N, D-1 late correction	FCR-N, late correction
FCR-N, D-2	FCR-N, D-1 early	FCR-N, early
FCR-N, D-2, correction	FCR-N, D-1 early correction	FCR-N, early correction

In NBS BRS for TSO-MO 4.3.4 Dependency matrix: Ediel ERRP Reserve Allocation Result Document:

4.3.3 Attribute usage: Ediel ERRP Reserve Allocation Result Document:

Z42 Frequency Containment Reserve, Normal operation, day minus one (FCR-N, D-1)

Z43 Frequency Containment Reserve, Normal operation, day minus two (FCR-N, D-2)

Z44 Frequency Containment Reserve, Normal operation, day minus one, correction (FCR-N, D-1, correction)

Z45 Frequency Containment Reserve, Normal operation, day minus two, correction (FCR-N, D-2, correction)

Z46 Frequency Containment Reserve, Disturbance, day minus one (FCR-D, D-1)

Z47 Frequency Containment Reserve, Disturbance, day minus two (FCR-D, D-2)

Z48 Frequency Containment Reserve, Disturbance, day minus one, correction (FCR-D, D-1, correction)

Z49 Frequency Containment Reserve, Disturbance, day minus two, correction (FCR-D, D-2, correction)

Conclusion:

- We rename to e.g. "FCR, early" (without D-n) to avoid the need for publication of several BRSs.

Action:

- Ove will update the BRS, send it to NMEG for one week of approval and thereafter publish it.
- Ove will update the reason codes Z42 to Z49 in the NMEG code list and publish it directly.

Item closed.

10   Status for Swedish Flexibility project

Background: Sweden has two ongoing "Flexibility projects" that now want to use CIM based messages for the exchanges to/from the flexibility platforms. Among others one called Stockholm flex where Vattenfall is candidate for making CIM documents for the project(s).

To keep document exchanges as harmonised as possible in the Nordic countries, NMEG has offered them NMEGs help in making the needed CIM based xml schemas.

References (links):   None.

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

Jan (SE) informed that the project is progressing.

A question:

At the StockholmFlex meeting today, a number of information exchanges were raised between the actors (and the flex platform). And then the question was asked if "Temporary subscriptions" have been up in CIM context. I promised to check with some colleagues, and I thought of you, among other things.

 "Temporary subscriptions" is what we call " Tillfälliga abonnemang" in Swedish.

There are, of course, annual fees, but in addition the possibility to subscribe for temporary subscriptions.

 If we take how it works for the transmission network in Sweden (this is far from my home ground, then excuse me if I do not describe it correctly), then every operator (e.g. an electricity producer or a network owner) who owns a plant (a connection point) connected to the transmission network signs a "subscription" with Swedish power grids. If the customer is an electricity producer, he thus has access to the entire Swedish electricity market regardless of where in the network you plug in (a so-called point tariff).

Part of the fee paid is a power charge based on "the customer's subscribed input and withdrawal effects at each connection point".

But what is interesting to exchange is not the usual power level, it changes perhaps once a year, but it is if you want to subscribe for temporary subscriptions that, in the case of Svenska kraftnät, are subscribed for a single week.

Say that you want to increase the subscription by 50 MW for a week, then it must be notified to Swedish power grid no later than the hour before the subscription takes effect and why not use a CIM message for that notification? And for the approval.

Some questions are then:

1. Has this involved notifying (and approving) temporary subscriptions from a "DSO" to a "TSO" been up in CIM EC? That is, is there any description of it and even.m an appropriate CIM message to use?

2. Do you use electronic messages in Norway and Denmark for something similar with you, whether it is CIM-based?

3. Could the information content of this exchange of information have been up in any context? That is, is there anything that could be a basis for "mapping it to CIM"? It may have been up in the "TSO-DSO" context, but I know too little about what has been raised there.

See also a picture below from another flex project – Coordinet – where this with "temporary subscription" is mentioned. It's just an excerpt from a shape in the https://private.coordinet-project.eu/files/documentos/5d724207ca982Coordinet_Deliverable_1.5.pdf file.

Tage and Jon-Egil informed that they haven't heard of similar subscriptions in Denmark or Norway.

11   Question from Svenska kraftnät via Alvaro (ENTSO-E)

Background: Alvaro has asked Jon-Egil for his wise advice on which kind of area Nicolas from Svenska kraftnät is referring in a question (should this be a kind of virtual bidding zone?):

"We need to issue new codes for two areas but I'm not sure what kind of Area type (Balance Group, Bidding zone etc) to choose. The areas concern a bottleneck on the west coast of Sweden which consists of multiple lines going from north to south. We need to describe capacity in both south going and north going direction for this bottle neck in CIM Capacity_MarketDocument. What kind of Area/Y type should we issue the code as?"

At the NMEG meeting June 23rd it was suggested to be a "Cut area", which is something smaller than a Bidding Zone (Scheduling Area) and bigger than a Metering Grid Area. Since a Cut Area is not an option for EIC codes, the best solution is probably to define it as a Bidding Zone.

References (links):

What to decide,
discuss or inform: Status – what area type was finally chosen?

Ongoing task:

- Jan (SE) and Jon-Egil will follow up.

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.

Jon-Egil will await a face-to-face meeting in CIM EG before having this discussion.

Ove informed that the area project also will be discussed at the ebIX® Forum meeting next week, including invitations to ENSOG and the EU DSO Entity.

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 B.

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

References (links):

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

Ongoing task:

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

- Ove will update the table based on NBM documentation received from Bent Atle (NBM/Fifty), when the NMEG BRSs are updated with NBM documents.

13.1 Exchange of measure documents

From Jan (SE):

Currently we exchange a CIM based message with a neighbouring TSO (outside the Nordic area) and would like to use it also with another one. However, they suggest us to use

iec62325-451-n-measurementvalue_v1_0.xsd.

And it is of course always a problem to use different XML schemas for the same kind of information. Now they want us to reply on the suggestion of using the measurementvalue document. **Are you (other Nordic TSOs) using it?**

ebIX® has almost(?) finished a "BRS for Validated measured data", and there also the exchange of data per exchange point is included. However, that draft differs from what we exchange to/from eSett since it includes a new level between the metering point id and the observations. That level can be used to specify different products (e.g. active energy, reactive energy – or power) for one and the same metering point.

When that is to be implemented, I would suggest CIM to include a new class "Product" plus it's unit that could be repeated per metering point. And/or we could use the possibility of associating a class Series to itself – and then letting the "top series" class tell some general information about the metering point, and letting the "lower series" class, tell the details like the product, it's unit and some information relevant at that level.

So, currently I will not suggest other TSOs to follow what will be found in the future BRS from ebIX®, but rather the current BRS for the eSett exchange – but "CIM customised".
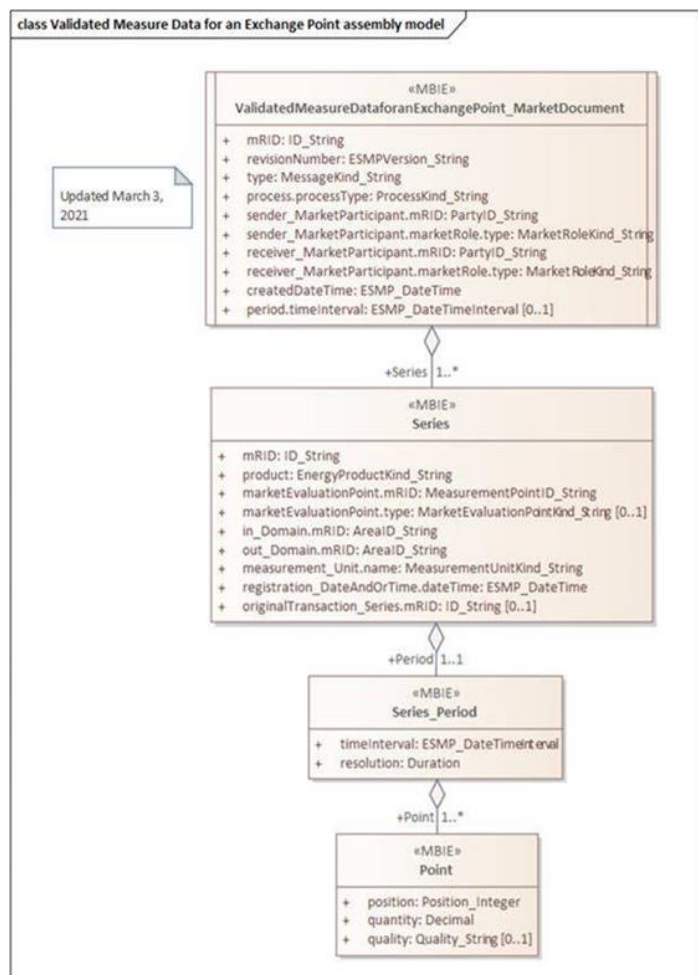
The CIM based message that we use for one of our TSO exchanges is called:

Validatedmeasuredata foranexchangepoint

It looks like the picture below. If you want the schema, please contact jan.owe@svk.se or ove.nesvik@edisys.no.

So, what would be good arguments for not using iec62325-451-n-measurementvalue_v1_0.xsd?

The continental TSO is using it in "FSKAR" exchanges, and it is like what I send here. However, I think what we send to eSett is better – but of course that argument is not relevant for a continental TSO …

class Validated Measure Data for an Exchange Point assembly model

Updated March 3, 2021

«MBIE»
ValidatedMeasureDataforanExchangePoint_MarketDocument

+ mRID: ID_String
+ revisionNumber: ESMPVersion_String
+ type: MessageKind_String
+ process.processType: ProcessKind_String
+ sender_MarketParticipant.mRID: PartyID_String
+ sender_MarketParticipant.marketRole.type: MarketRoleKind_String
+ receiver_MarketParticipant.mRID: PartyID_String
+ receiver_MarketParticipant.marketRole.type: MarketRoleKind_String
+ createdDateTime: ESMP_DateTime
+ period.timeInterval: ESMP_DateTimeInterval [0..1]

+Series 1..*

«MBIE»
Series

+ mRID: ID_String
+ product: EnergyProductKind_String
+ marketEvaluationPoint.mRID: MeasurementPointID_String
+ marketEvaluationPoint.type: MarketEvaluationPointKind_String [0..1]
+ in_Domain.mRID: AreaID_String
+ out_Domain.mRID: AreaID_String
+ measurement_Unit.name: MeasurementUnitKind_String
+ registration_DateAndOrTime.dateTime: ESMP_DateTime
+ originalTransaction_Series.mRID: ID_String [0..1]

+Period 1..1

«MBIE»
Series_Period

+ timeInterval: ESMP_DateTimeInterval
+ resolution: Duration

+Point 1..*

«MBIE»
Point

+ position: Position_Integer
+ quantity: Decimal
+ quality: Quality_String [0..1]

What is more relevant – what should we exchange between ourselves as TSOs?

Replay from Jon-Egil:

> The measurementvaludocument is an RGCE proprietary document, so it's no obligation to use it outside RGCE.

> What we want is up to us, so of course one option is to base it on this and add what we need.

> Or use a CIM based document of our own.

> **Preferably there should be an ENTSOE document for this, and formally probably the only one is EAR…**

Jan (SE) informed that Svenska kraftnät are using an older ebIX® based xml towards two TSOs and are using the newer ebIX® and CIM based document towards a third TSO. Further Jan (SE) will propose switching to the CIM based document also for the other two TSOs. The codes used for the two older xml exchanges uses ebIX® codes, while the third TSO wants to use ENTSO-E codes.

Tage informed that an alternative is using the EAR document, which among others is used between Energinet and TenneT and expect it to be used for the Viking-link.

Item closed.

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

References (links):

What to decide,
discuss or inform: Status.

14.1   Report from NMEG CIM-XML Subgroup; Teams meeting September 1st

- Participants Jan (DK) and Ove.
- This was a short meeting (half hour).
- The meeting was used to discuss issues related to usage of code lists (Danish, ENTSO-E, ebIX®, UN/CEFACT etc.) by the Danish Datahub 3.0.
- A new meeting (one hour) was agreed on Tuesday September 7th, also to discuss implementation issues related the Danish Datahub 3.0.

14.2   Report from NMEG CIM-XML Subgroup; Teams meeting September 7th

- Participants Christian, Jan (DK), Jan (SE) and Ove.
- This was a short meeting (half hour).
- The first part of the meeting was used to discuss a mail from Jan (SE), sent the day before, where he asks for arguments for using a CIM version of the "Validated measure data for an Exchange Point" that currently is used towards eSett instead of the ENTSO-E iec62325-451-n-measurementvalue_v1_0.xsd, which is proposed by at least one of the TSOs Svenska kraftnät will exchange data with.

  No arguments were found, but it was suggested that Jan (SE) should send the question to some more NMEG participants, asking if they are using the ENTSO-E iec62325-451-n-measurementvalue_v1_0.xsd.

- Thereafter Christian and Jan (DK) informed that the mapping document were missing assembly model class diagrams for RSM-012, RSM-016 and RSM-033.
- New NMEG CIM-XML Subgroup meetings to discuss Danish CIM implementation issues were agreed on Friday September 17th and Monday September 27th, both days from 10:00 to 11:00.

Action:

- Ove will add the missing assembly model class diagrams for RSM-012, RSM-016 and RSM-033 to the mapping document.

14.3   Report from NMEG CIM-XML Subgroup; Teams meeting September 27th and 28th

- Participants Christian, Jan (DK), Jan (SE) and Ove.
- Jan (DK) had prepared a set of questions that was reviewed:
  - RSM-009 – Acknowledgement:

    From discussions:
    - The document and an xml file from Denmark weas reviewed:
      - The Reason class associated to the Acknowledgement_MarketDocument will be used for acknowledging a fully accepted or rejected document.
      - For partly acknowledgements or to send detailed reasons on measure documents, the Seres class is used.
      - For partly acknowledgements or to send detailed reasons on structure documents, MktActivityRecord (Original_MktActivityRecord) is used.
      - A question to the other Nordic countries will be asked at the next NMEG meeting, i.e.:
        - How to specify that document is partly accepted?
        - What to send in the Reason class associated to the Acknowledgement_ MarketDocument?

    Action:
    - Ove will add all Danish Reason codes (Dnn and Enn) to the urn-entsoe-eu-local-extension-types.xsd.
  - RSM-032 Confirm request billing master data
    - Schema must be removed we use RSM-031 instead

Conclusion:
- Done during meeting

o RSM-034
  - What do we use priceTimeFrame for?

    From discussions/conclusions:
    - The attribute is used to say if a fee is valid for an hour or a month.
    - The priceTimeFrame (PriceTimeFrame_Period) will be moved to go from ChargeType instead of going from Series_Period

  - The ChargeType / ChargeComponents.equation is in the schema but not in the memo.

    From discussions/conclusions:
    - Will added to the memo.

  - Would like these two attributes to be moved up to VATPayer in the order
    ```
    <cim:transparentInvoicing>true</cim:transparentInvoicing>
    <cim:taxIndicator>true</cim:taxIndicator>
    ```

    From discussions/conclusions:
    - Done during meeting.

o For several RSMs
  - There shall be a CodingScheme for MarketEvaluationPoint, however this is missing from several documents.

    From discussions/conclusions:
    - Ove will change datatype where MarketEvaluationPoint.mRID is missing CodingScheme.

o RSM-006 RejectRequestAccountingPointCharacteristics
  - In this RSM, an initiator is used, is it properly set up, we do not use initiator in DK?
    - ```
      <cim:initiator_MarketParticipant.mRID
      codingScheme="NLU">a</cim:initiator_MarketParticipant.mRID>
      ```
    - ```
      <cim:initiator_MarketParticipant.marketRole.type>A29</cim:initiator_MarketParticipant.marketRole.type>
      ```

    From discussions/conclusions:
    - OK in latest version.

o RSM-012 NotifyValidatedMeasureData_MarketDocument - Order
  - Move product down to marketEvaluationPoint

    From discussions/conclusions:
    - OK in latest version.

o RSM-014 RequestAggregatedMeasureData_MarketDocument - Order
  - Move type and settlement up to the top of the series

    From discussions/conclusions:
    - Moved during meeting.

o RSM-018B Request for reminders

- Missing a reject file for this

  From discussions/conclusions:
  - Ove will add a "Reject document" to Request for reminders and add MGA_Domain associated to Series in the Request.

o RSM-018

```
<cim:request_DateAndOrTime.dateTime>2021-11-02T23
<cim:MarketEvaluationPoint>
    <cim:mRID>579999993331812345</cim:mRID>
</cim:MarketEvaluationPoint>
/cim:Series>
```

- Why is marketevaluation complex in RSM-018?

  From Ove from after the meeting:
  - Because the MarketEvaluationPoint can be repeated.

o RSM-017 RequestWholesaleSettlement
- Here we need to add process variant, as search criteria

  From discussions/conclusions:
  - Will be added.

o RSM-022 - AccountingPointcharacteristics
- Why is product located so far down, can it get further up?

  From discussions/conclusions:
  - Moved during meeting.

o RSM-021 - RequestChangeAccountingPointCharacteristics - order
- Geoinfo must be in the same position as in RSM-021

```
<cim:supplyStart_DateAndOrTime.dateTime>2019-02-11T23:00:00Z</cim:supplyStart_DateAndOrTime.dateTime>
<cim:description>pumpestation</cim:description> CCO ?
<cim:usagePointLocation.officialAddressIndicator>false</cim:usagePointLocation.officialAddressIndicator>
<cim:usagePointLocation.geoInfoReference>f26f8678-6cd3-4e12-b70e-cf96290ada94</cim:usagePointLocation.geoInfoReference
<cim:usagePointLocation.mainAddress>
```

  From discussions/conclusions:
  - Moved during meeting.

- officialAddressIndicator should be called actualAddressIndicator?

  From discussions/conclusions:
  - Will be renamed.

o Which role to use for calculated
- DDZ for master data
- DGL for measurement data
- Which to use for aggregated data?

  From discussions/conclusions:
  - We propose using DDZ

14.4 Report from NMEG CIM-XML Subgroup; Teams meeting October 6th
- Participants Christian, Jan (DK), Jan (SE) and Ove.

- There are some issues with CimSyntaxGen that have been reported to Zamiren (Jean-Luc and Andre, who are maintaining the Cim tools):
    1) When generating json schemas, the local code list schema is not generated correctly.
    2) The attribute order function in CimSyntaxGen do not work properly for RSM 012 – Notify Validated measure data

    Zamiren is working with issue 1 and Ove will have a meeting with Jean-Luc next week trying to solve the attribute order issue.
- Existing issues regarding RSM 021 Request change AP characteristics and RSM 022 AP characteristics were solved during the meeting – i.e. new xml schemas and related xml file were created.
- Jan (SE) had noted that we at some point probably should look at the header:
    o Which roles, and codes, will be used?
    o Which (document)types, and codes, will be used?
    o Which processtypes, and codes, will be used?
    o For each BRS.
    o E.g. will you use E66 as the document type for validated metered data?

        (When I suggested to use E66 another TSO suggested to use the ENTSO-E code A45 = "Measurement Value Document". But the latter code, I would say, is rather for not (yet) validated metered data.)

    o Or will you use some ENTSO-E codes?
    o But perhaps such details are not yet decided.

    Christian informed that Energinet plans to use ENTSO-E codes for code list responsible (A01, A10, NDK etc.). For other code lists in the header, the ebIX® or Danish codes used today will be reused.
- Christian/Jan (DK) also informed that they soon will publish Danish documentation based on the mapping memo. To avoid double work Ove will end the maintenance of the mapping memo.

14.5 How to specify that document is partly accepted?

A question to all from the CIM-XML Subgroup: What to send in the Reason class associated to the Acknowledgement_ MarketDocument when it is a partial acceptance?

Currently the Danish solution is not to use the Reason class at header level for partial rejections/approval.

Ove informed that the Elhub way of doing it is explained in chapter 3.5 in Elhub BIM v1.8, i.e. partial acceptance is not used.

Currently there are codes for partly accepted time series. However, Jon-Egil thinks it would be possible to ask CIM EG for a new code for "Message partially accepted".

Action:

- Ove will make a MR asking for a new reason code "Message partially accepted".

15 Review of documents from CIM EG subgroups and IEC groups

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

References (links):

What to decide, discuss or inform: Review of documents from CIM EG subgroups that is of interest for the Nordic market.

No documents for review.

16 Information (if any)

Bent Atle had noted (in mail August 31st and September 2nd) that the following XSDs does not support ID_String with 60 chars (files of type iec62325-451-n* and TERRE are not checked):

"urn:iec62325.351:tc57wg16:451-3:capacityspecificationdocument:7:1
"urn:iec62325.351:tc57wg16:451-3:biddocument:7:0"
"iec62325.351:tc57wg16:451-3:capacityspecificationdocument:7:1"
"urn:iec62325.351:tc57wg16:451-3:capacitydocument:8:0"
"urn:iec62325.351:tc57wg16:451-3:implicitauctiondocument:7:0"
"urn:iec62325.351:tc57wg16:451-3:implicitauctiondocument:7:0"
"urn:iec62325.351:tc57wg16:451-3:publicationdocument:7:3"
"urn:iec62325.351:tc57wg16:451-3:rightsdocument:7:0"
"urn:iec62325.351:tc57wg16:451-3:totalallocationresultdocument:7:0"
"urn:iec62325.351:tc57wg16:451-4:energyaccountdocument:4:0"
"urn:iec62325.351:tc57wg16:451-5:problemdocument:3:0"
"urn:iec62325.351:tc57wg16:451-5:statusrequestdocument:4:0"
"urn:iec62325.351:tc57wg16:451-6:capacityallocationconfigurationdocument:1:2"
"urn:iec62325.351:tc57wg16:451-6:configurationdocument:3:2"
"urn:iec62325.351:tc57wg16:451-6:generationloaddocument:3:1"
"urn:iec62325.351:tc57wg16:451-6:outagedocument:4:0"
"urn:iec62325.351:tc57wg16:451-6:transmissionnetworkdocument:4:0"
"urn:iec62325.351:tc57wg16:451-6a:capacityallocationconfigurationdocument:1:0"
"urn:iec62325.351:tc57wg16:451-7:activationdocument:6:1"

And a possible wrong naming:

iec62325-451-6-balancing-4-0.xsd should have been iec62325-451-6-balancing_v4-0.xsd (This is ok: iec62325-451-6-balancing_v4_3.xsd)

Jon-Egil informed that the issue has been fixed for the balancing document and the activation document. Other documents will be fixed when needed.

Item closed.

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

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

- Thursday November 23rd, 9:00-16:00, Oslo
- Tuesday January 11th, 9:00-16:00, Denmark

18   AOB

18.1   Migration from DELFOR to ERRP schedule documents

Jan (SE) informed that Svenska kraftnät need to update the DELFOR documents based on new requirements from the network codes. Hence Jan (SE) asked if other countries has started the migration to CIM documents for the planning and forecasts?

Jon-Egil informed that there is a project for migration in Norway, but so far it has had low priority.

Christian thinks that DELFOR messages has been migrated to CIM documents in Denmark.

Teemu and Miika will investigate the Finish status.

Action:

- Denmark and Finland will investigate if DELFOR has been replaced with ERRP documents before next meeting and if so, if there are any documentation available, such as for code usage.

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[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.

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					1.0, 7.0
2.	NEG ERRP Reserve Allocation Result Document	a) NBS BRS for TSO/MO b) BRS for Trade	1.0					1.0
3.	NEG Area Specification Document	a) NBS BRS for Master Data b) BRS for Trade	1.0[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					7.0 (not complete)
8.	ENTSO-E ERRP Planned Resource Schedule Document	NBS BRS for TSO/MO	5.0					
9.	NEG ERRP Planned Resource Schedule Document	BRS for Schedules						
10.	ENTSO-E ERRP Resource Schedule Confirmation Report	BRS for Schedules	No NEG version					
11.	ENTSO-E ESS Anomaly Report	BRS for Schedules	No NEG version					
12.	ENTSO-E Outage document	BRS for Schedules	No NEG version					
13.	NEG ESP Energy Account Report Document	NBS BRS	1.0					
14.	ENTSO-E ESS Confirmation Report	NBS BRS	4.1					5.0
15.	ENTSO-E ESS Schedule Document	a) NBS BRS b) NBS BRS for TSO/MO	4.1					5.0
16.	ebIX® Aggregated Data per MGA for Settlement for Settlement Responsible	NBS BRS	2013pA					
17.	ebIX® Aggregated Data per Neighbouring Grid for Settlement for Settlement Responsible	NBS BRS	2013pA					
18.	ebIX® NEG Confirmation of Aggregated Data per Neighbouring Grid for ISR	NBS BRS	2013pA					
19.	ebIX® Validated Data for Settlement for Aggregator	NBS BRS	2013pA					
20.	NEG ECAN Allocation Result Document	BRS for Trade						
21.	NEG Currency Exchange Rate Document	BRS for Trade						
22.	NEG Auction Specification	BRS for Trade						
23.	NEG Spot Market Bid Document	BRS for Trade						
24.	ENTSO-E ERRP Reserve Bid Document	BRS for Trade						1.0

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[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.

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