MINUTES:	NMEG meeting	**NMEG**
Date: Tuesday and Wednesday November 22nd and 23rd, 2022		
Time: 09:00 – 16:00 and 09:00 – 13:00		Nordic Market Expert Group
Place: Statnett offices in Oslo		
November 28th, 2022		

Present: Bent Atle, Statnett (NBM) (day one)
Christian, Energinet
Jan (DK), Energinet
Jan (SE), Svenska kraftnät
Jon-Egil, Statnett (Convenor)
Ove, Edisys (Secretary)
Pamina, Energinet

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

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

To (Invited guests): Antti, eSett, FI
Søren, Nordic RCC
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:
- Nordic Operate BRS and NBM IG error, see item 8.8.
- The process of implementing updated/new CIM versions internally in the TSOs, see item 17.1 under AOB.
- Update of NMEG ToR in relation to new ToR from NIT, see item 17.3 under AOB.

2   Approval of previous meeting minutes

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

3   Status from NEX (Nordic ECP/EDX Group)

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

References (links):

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

Not much happening for the time being - nothing reported.

4   Nordic RCC

Background: The Nordic RCC is working on TSO data exchange regarding Long-term Capacity Calculation process and need changes to ESMP and CIM.

References (links):   None.

**What to decide,
discuss or inform:**   Update of ESMP and CIM based on Nordic RCC needs.

Currently very busy with flow-based processes, hence noting reported.

5   Support to the NBM project – prioritised item

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.

5.1   Update of NMEG BRSs based on NBM input

Ove had as action added the NBM MeasurementData_MarketDocument to the Nordic Operate BRS, i.e.:

- Measured Flow Historic TSO and
- Measured Flow Point Value TSO.

The BRS was revied and several updates agreed, including addition of Measured Frequency TSO both for historic and point value (two new arrows in the sequence diagram).

Ove had also updated the BRS for Determine transfer capacity, including addition of attribute table for:

- mFRR ATC AOF
- mFRR ATC TSO
- mFRR Remaining ATC AOF

This BRS was also reviewed, and updates agreed.

Action:

- Ove will update the BRS for Operate and the BRS for Determine transfer capacity for new review at next NMEG meeting.

6   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~~ Technology type" to identify the origin of the energy (thermal, wind, hydro and consumption) 2) "~~Production Category~~ Resource size", currently called Production Type (normal, minor) 3) Aggregation-criteria for "Type of metered data", currently implemented as ENTSO-E Business Types (production, consumption, losses, ….) - Changed to "Business type" and "Business type details" (The request originates from NBS)	• The ebIX® BRS for measure for imbalance settlement is being finalised within ebIX® and NMEG updated the MR at the meeting June 2nd, 2022. **20220602:** • Updated based on request from EBG. **20220824:** • Action for Jan (SE) and Ove: ask if we can rename "Business Type Detail" to PSRType (Power System resource Type). **20221006:** • Awaiting EBG addition of PSRType to AP administrative characteristics and possible rename of the attribute name.

Jan (SE) and Ove had as action asked EBG for a status for addition of PSRType to AP administrative characteristics and possible rename of the attribute name. However, the conclusion from the meeting was:

Conclusion from EBG October 10th:

- Jan and Ove will bring the topic back to NMEG, i.e. try to find a better understanding and name for the attribute and a better justification for why and were to add the attribute (the attribute is used both in aggregated time series and as master data in AP characteristics).

From NMEG discussion November 23rd:

- What NMEG is looking for is not really a PSRType, which is Power System Resource Type, I.e., something physical.

- However, the ENTSO-E PSRType, which uses the ENTSO-E Asset Type Code, contains more than "Resource Types", such as fuel types.

Conclusion November 23rd:

- Jan and Ove will inform EBG that the PSRType is the pragmatically correct choice. I.e. we propose adding a "Business Type Detail" or "Aggregation criteria" attribute in the ebIX® BRS model. This attribute can be mapped to PSRType in CIM that is of type ASSET Type.

7 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 WG.

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.

Status:

MR #		Status
NMEG 2022/197	Add new codes: Aggregated commercial heat load (A resource using aggregated commercial heat load, including heat pumps in office buildings, for energy). Aggregated electric vehicle chargers (A resource using aggregated electric vehicle chargers, commercial and private, for energy). Aggregated private heat pumps　　(A resource using aggregated private heat pumps for energy). Reserve power　　(A resource using reserve power for energy). Cogeneration (Combined Heat and Power) (A resource using cogeneration, combined heat and power, for energy). Commercial load (industry) (A resource using commercial load (industry), for energy).	*20220304:* • Postponed since Jan (SE) was sick. *20220602:* 　*Action:* 　○ Jan (SE) will verify if the still is OK. • If yes, Jon-Egil will submit the MR to CIM WG. *20220823:* • MR sent from Ove to Jon-Egil August 26th for forwarding to CIM WG. **20221006:** • Jon-Egil will verify the MR is sent.
NMEG 2022/199	Add a new element "inclusiveBidsIdentification" to the iec62325-451-7-reservebiddocument_v7_3.xsd	*20220304:* • Not approved at ENTSO-E ESMP meeting February 25th. • Jon Egil will add the description of how MARI now is using linkedBidsIdentification and involve Alexander Koistinen in that if needed. I.e. why can't linkedBidsIdentification be used? *20220602:* • MR updated and will be sent to WG16 *20220602:* • To be continued *20220823:* • Under discussion in WG16 and will be added as an issue in Redmine. *20221006*: • Agreed, but not yet added to CIM.

NMEG 2022/201	Rename Asset Type **B25** to "**B25** Permanent energy storage"	*20220321:* • Sent to Jon-Egil for forwarding to CIM WG *20220823:* • Forwarded to WG16, proposed having permanent and temporary as separate codes in PSRType. *20221006*: • Ongoing
NMEG 2022/202	Add Asset Type "**B??** Temporary energy storage".	*20220321:* • Sent to Jon-Egil for forwarding to CIM WG *20220823:* • Forwarded to WG16, proposed having permanent and temporary as separate codes in PSRType *20221006*: • Ongoing
NMEG 2022/203	Rename the title of the Process Type **A58** from "Reserve option market" to "mFRR capacity market"	*20220425:* • Sent to Jon-Egil for submission to CIM WG *20220823:* • To be continued *20221006:* • To be continued
NMEG 2022/204 (WG16)	Add a new attribute "inclusiveBidsIdentification" to the BidTimeSeries class.	*20220422:* • Forwarded by Ove to Jan (SE) with a copy to Jon-Egil for submission to WG16 *20220602:* • Send to WG16 by Jan (SE) *20220922*: • From Jan (SE): The addition of inclusiveBidsIdentification to BidTimeSeries has the issue id 5980 in Redmine, see https://redmine.ucaiug.org/issues/5980 *20221006*: • Ongoing
NMEG 2022/205 (CIM WG)	Addition of a Category attribute to TimeSeries in IEC62325 and ESMP	*20220907:* • Forwarded by Ove to Jon-Egil for submission to CIM WG *20221006*: • Ongoing *20221031:* • The MR is awaiting approval in the ENTSO-E ESMP SG before it is sent to CIM EG, hence it will probably still take a few weeks before it is handled

8   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.

8.1 BRS for Nordic Trading System: Mismatch between the sequence diagram and the sender/receiver roles in the Business Data View

Ove had as action updated the BRS for Nordic Trading System, i.e.:

- Added a text in chapter 2.2 under the UC diagram:

  "The grey UseCase, Trade Bilaterally, is document in BRS for NBS, see [9]"

- Made the Day-ahead and Intraday markets UseCases green the UC in chapter "2.2 Breakdown of the trading phase" and move the text in chapter "2.4.3. Day-ahead market" and chapter "2.4.4. Intraday market" to comments below the UC diagram in chapter "2.2 Breakdown of the trading phase".

In addition Ove had made a table showing mismatch between sender/receiver in the Business Data View and the sequence diagram. A review was started – to be continued at next meeting – See Appendix C.

8.2 Exchange of settlement information between the Nordic TSOs – prioritised item

Background: Svenska kraftnät is using an older ebIX® based xml document towards two TSOs and plan using a newer ebIX® and CIM based document towards a third TSO. The codes used for the two older xml exchanges are ebIX® codes, while the third TSO wants to use ENTSO-E codes.

An alternative is using the EAR (Energy Account Report) document, which among others is used between Energinet and TenneT and expect it to be used for the Viking-link.

References (links): None.

What to decide, discuss or inform: Assuming we (the Nordic countries) will use EAR (in a CIM version) for most of our exchanges of settlement information between the TSOs, can we agree upon some common codes and usages of that message, instead of having bilateral agreements? And since eSett also is using that message (a namespaced version of the ENTSO-E ESP Energy Account Report version 1.2) it would be relevant to get input from eSett regarding their possible updates and change to CIM.

Bilateral discussions between Denmark and Sweden have just started, perhaps that should be "part of" a more general Nordic discussion, and documentation, of how to exchange settlement information?

At the NMEG meeting in November, it was proposed to add an in_Area and an out_Area to the EAR document. Alternatively it may be an option using the ERRP Allocation Result Document.

Since we will do updates due to changes from 60 minutes to 15 minutes resolution, why not also do something about the exchange of e.g. MSCONS messages to something more modern".

Se documents from Jan (SE):
- PowerPoint presentation "Settlement information between TSOs.pptx", which was distributed to NMEG February 28th, and redistributed October 6th.
- Excel sheet showing settlement related information exchanges with the following columns: "Description", "Per (MP, SO…)", Unit, Partis for Svk exchange" and "Comments Svk", distributed June 2nd, and redistributed October 6th.

Pamini informed that she has started the work of finding the Danish exchanges. No response from others.

Item to be continued.

Continued action:
- Jan (SE), Jon-Egil, Teemu and someone from Denmark are asked to fill in the Excel sheet from Jan (SE) with today's exchanges and the content (information) behind it.
- All are asked to send the result to Ove latest by one week before next meeting, who will merge the results.
- Ove will send a reminder around three weeks before next meeting.

8.3   Usage of Reason codes in NBS BRS for TSO-MO– prioritised item

Continued action:
- Antti and Miika will verify if we can add **Z58** (Scheduled activation) and **Z59** (Direct activation) to the NBS BRS for TSO-MO without problems (and publish as NBS BRS for TSO-MO **v2r6A**.

From Tuomas

> This is a bit tricky. We have several times during this year requested TSOs to elaborate this change.
>
> The main question has been "what is the schedule and scope for adding Direct and scheduled activation FRR-M to the NBS model?"
>
> Then we have had also couple of other questions, such as:
>
> - Do all TSOs consider the need similarly? E.g. same timeline, products, changes in the reporting to eSett etc.
> - Is there conflict here on how Special Regulation is used in different countries?
> - Do the change affect FRR-M Quarter Regulation (Z34, Swe, NO) tai FRR-M, Peak Load Reserve Regulation (Z33, SWE) tai Hour Change Regulation (Z36, FI, NO)?
> - mFRR EAM- project schedule impact?
>
> Just today (November 14th), we got feedback from Statnett:
>
> *In addition to these already discussed there will be four new products. Codes for these will have to be verified.*
>
> 1. *Faster activation; Z35+Z60*
> 2. *Deactivation; Z35+Z61*
> 3. *Period shift activation; Z63*
> 4. *mDFR Disturbance reserve*
>
> The *comment* above would seem that the BRS updates don't cover all necessary changes.
>
> Since eSett haven't received answers from all TSOs, our implementation has been on hold, and we have no readiness to receive data as described in the updated BRS.

The NBS BRS for TSO-MO was updated according to the new Norwegian requirements.

During this item Jan (SE) informed that Svenska kraftnät is discussing with eSett if eSett shall take over the Swedish invoicing of aFRR services. If so, there is a need for a new Reason Code for aFRR Correction to be used in the Ediel ERRP Reserve Allocation Result Document in the NBS BRS for TSO-MO.

Action:
- Ove will send the updated NBS BRS for TSO-MO to eSett and ask for their comments. NMEG will await a response before doing anything more.

8.4 Rename of Market Balance Area to Bidding Zone or Scheduling Area (to remember item)

Continued action:

- Ove will go through the BRSs and other documents and change Market Balance Area to Bidding Zone or Scheduling Area. If uncertain, Ove will make a note for discussion at a later NMEG meeting. This is not a time critical action.

8.5 eSett: New process type code for intraday and schedule/flow

Ove had as action added Process type **A02** to all Process types where we have **A19** today in the NBS BRS for TSO-MO. The BRS has been verified by eSett, sent to NMEG for 1 week and published.

Item closed.

8.6 Update of NBS BRS with the option of sending negative losses

Ove had as action added a comment that the losses can be negative (similar to what is stated for **A07**). Further, Ove had contacted Tuomas and inform that "Jon-Egil informs that Statnett is sending pumping as negative production to eSett" and ask Tuomas to verify that pumping really can be sent as negative values for the Business Type **A07**.

1) We have a not yet published NBS BRS from April 20th where Process Type "**Z05** Bilateral Trade" is replaced with "**A59** Internal trade reporting" – Can this update be published?

   Replay from Tuomas:

   o This Process Type change has gone completely unnoticed by me at least.
     Unfortunately, our short answer is no, it can't be published yet. Below are couple of remarks for it from the top of my head:
       - As we have missed this change, eSett is not prepared for it. We'll initiate a change process for our system asap and get back to you once we know more about possible timelines.
       - This impacts all Balance Responsible Parties (BRP) in all Nordic countries, but it hasn't been communicated to anyone yet. I believe that in several countries the minimum time for announcing data exchange changes is 6 months.
       - Once we change the BRS, it should probably be also reflected in BRS for TSO-MO, where the Bilateral Trade has also been described.
       - We'll most likely need a transition phase (several months) where BRPs may use either old code **Z05** or new code **A59** as sudden 'forced' go-lives have proven to be difficult.
         - This might not need to impact the BRS, but only eSett on a system level.
         - 'A forced go-live' is however necessary for reporting from eSett back to market parties, as we need to decide which code we should apply during different time frames.

     I support that we'll do this change, but first we'll need to plan it, communicate it clearly to market and give them enough time to react and adjust on their end.

2) From the previous NMEG meeting I got the following actions:
   a. Ove will add a comment that the losses can be negative (similar to what is stated for **A07**) for chapter "5.2 NEG (ebIX® based) Aggregated Data per MGA (E31, E44) – consumption"

b. Ove will contact Tuomas and inform that "Jon-Egil informs that Statnett is sending pumping as negative production to eSett" and ask Tuomas to verify that it can be sent negative values for the Business Type **A07**.

Replay from Tuomas:

a. This is OK.
b. Here I need to comment this a bit:
   - Statnett doesn't have a single timeseries with Business Type **A07** Net production/consumption (Pumped storage (from combined generator/pump - only in Norway))
   - I verified all reported hourly values in 2022 that we have in our system for **A07** and none of those have a negative value.
   - Reporting of negative values contradicts with what is described in NBS Handbook about the "Pumped storage" reporting, as there is basically stated that generation is to be reported as Production and pumping is to be reported as consumption.
   - I tested reporting with opposing sign in one of eSett's test environments and it resulted in error, stating that "The value of element 'EnergyQuantity' must be non-negative number."

→ So my conclusion is that it is not possible at least in the reporting **to eSett**. However, I'm unsure if the same data exchange format is used somewhere else with different rules (e.g. between DSO and Elhub, or BRP and Statnett).

I don't oppose if you prefer to keep it, but I'm saying that it is at least inaccurate when we are talking about reporting from DSO/Elhub to eSett.

Action:

- Jon-Egil will verify if Norway is sending negative A07

8.7   Continue review of update of NBS BRS for Master Data

Action:
- Ove will ask eSett if the BRS for Master Data is in use or if we can change "**Z05** Trader" with "**A47** Energy Trader" now.

8.8   Nordic Operate BRS and NBM IG error

From Jan (SE) October 21st:

In the Nordic Operational system BRS (https://ediel.org/wp-content/uploads/2022/06/Nordic-Operate-BRS-Draft-for-1r6A-20220620.pdf) (Note: here https://ediel.org/common-ediel-documents/ having another name: "Nordic Operate BRS") it is a description of the Activation Market Document -and there we find:

acquiring_Domain.mRID	[1]	Bidding Zone.
		10Y1001A1001A91G The EIC identification of the Nordic Market Area
connecting_Domain.mRID	[1]	Bidding Zone (repeated from Acquiring Area).

It is there stated that the acquiring_Domain.mRID should be a "Bidding zone", however, I would typically not call the "Nordic Market Area" a Bidding zone. Is the Nordic Market Area just an

example of an area to be specified there, or should we always specify that area? I would assume the latter.

Then the text "(repeated from Acquiring Area)" is wrong for the connecting_Domain.mRID, because there I would expect the actual Bidding zone (within the Nordic Market Area) to be specified.

Suggestion:
- *We think this is the Nordic area, but there is no HEMRM area that covers this fully, hence we suggest removing the text "Bidding Zone".*

Conclusion at NMEG meeting:
- Bidding Zone removed

A similar update should then also be done in the NBM Implementation Guide: **mFRR energy activation market BSP**:

Suggestion:
- *Here the text seems wrong – we suggest "Bidding Zone where Resource is connected".*

https://nordicbalancingmodel.net/wp-content/uploads/2022/05/Implementation-Guide-mFRR-energy-activation-market-BSP-v113.pdf

where it is stated for the connecting_Domain.mRID that it is "(repeat from Acquiring Area)".

Suggestion:
- *"(repeat from Acquiring Area)" is suggested removed.*

Conclusion at NMEG meeting:
- Text removed

Regarding the latter document it is a difference there related to the usage of the Reason class.

> In the NMEG document, the Reason class is associated with the Point class.

> In the NBM document, the Reason class is associated with the TimeSeries class.

I would assume the association to Point is most correct, even if you may just have one repetition of Series_Period + Point. E.g. in the response from the BSP he can tell: "Sorry, this quantity could not be activated due to the reason xxx".

Suggestion:
- *We agree that the Point class is most correct, however it is the association to TimeSeries that is implemented in NBM, hence we suggest changing the placement in the NMEG BRS.*

Conclusion at NMEG meeting:
- Moved to TimeSeries class

In the implementation guide from NBM I also see that under Point it is expected to use "quantity.quantity", but it should just be "quantity", see ESMP.

Item closed.

9   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 presented the status in the project.

10   Common European Area project

Background: ebIX® has proposed a project plan for a common European Area project. ebIX®, ENTSO-E (CIM WG) and ENTSOG has confirmed participation and the new EU DSO Entity is trying to fine member(s).

References (links):

What to decide,
discuss or inform: Status for the project.

ebIX® Forum has agreed to start the project early 2023 even if we have no EU DSO Entity member yet.

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, 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.

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 November 2022:

    a)   Update the NMEG model (incl. IM documents for the Danish Datahub version 3.0.) with the latest basic CIM and ESMP updates.

     b)   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.

Status for looking into making CIM based document to replace the ebIX® XML documents used towards eSett today.

We will have a NMEG CIM-XML group meeting Wednesday January 11th 10:00 – 12:00.

- Review and update of status column in "Memo - MRs to CIM based on Danish DataHub CIM implementation 20220927.docx"

- Start on CIM versions of NBS document.

12.1   *Change of datatypes from basic CIM to profiles*

The item was moved to NMEG sub-group meeting in January 11th.

13   Addition of an "archive folder" at Ediel.org

Teemu will try making an "archive folder" where older documents are stored, i.e. every time a new document version is uploaded to the document folder, the old version is move to the archive folder.

The item was postponed.

14   Review of documents from CIM WG 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 WG 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 WG subgroups that is of interest for the Nordic market.

14.1   *Prepare Nordic positions before coming CIM WG meetings*

Nothing to prepare.

15   Information (if any)

From Jan (SE) 20221019:

The EG1 work has begun and, among others, Kees, Jon-Egil and Jan (SE) are participating in the "Master data" team.

Jan (SE) has created an Excel file that describes which attributes we intend to use in the Swedish hub + which attributes we use today, with matching against which attributes they correspond to in the ebIX® model, CIM and ESMP. Wondering what other countries will contribute – probably from completely different perspectives. I've focused on the "attributes". (Though I'll hardly see that because I won't be able to attend on Friday.)

Another file Jan (SE) made is trying to list almost all classes and attributes that are in CIM and in addition may be relevant to use for "Master data". I enclose it, not because it is complete, but I have tried to include a lot from ebIX® and also the CIM work for the Danish hub.

In any case, my ambition is to try to see: is everything we need (from different directions) included in CIM? And in the Excel file there is an opportunity to look for what you have: if you manage to find an equivalent in CIM, well then CIM does not need to be updated with that particular detail.

Ove informed that a HGRM (Harmonised Gas Role Model) and HEMRM (Harmonised Electricity Market Role Model) interim status report was published at the ebIX® and EASEEGas web sites November 16th, together with a news item:

New status report on the alignment of the Harmonised Gas Role Model and the Harmonised Electricity Market Role Model

An interim report for the harmonisation of the gas and electricity market role models has been published on November 16th, 2022. It gives a status update on the harmonisation work, started in April 2021, done by EASEE-gas and the harmonisation group for the electricity market role model (ebIX®, EFET and ENTSO-E), with technical input from ENTSOG.

Please find the interim report [here](#).

Douglas has informed that ENTSOG has put this document on its website:
https://www.entsog.eu/sites/default/files/2022-11/Status%20report%20alignment%20of%20HGRM%20and%20HEMRM%2020221102%20v1-1.pdf.

Alvaro has informed that ENTSO-E will review the interim report during the next CIM EG meeting (November 29th and 30th) and if the group agrees it will be published at the ENTSO-E website.

16 Next meetings

- Tuesday December 13th, 10:00 – 12:00, GoToMeeting.
- Tuesday January 24th 10:30 – 12:00 + 13:00- 15:00, GoToMeeting
- Wednesday February 22nd and Thursday February 23rd, Sundbyberg
- Tuesday April 11th 10:00 – 12:00 + 13:00- 15:00, GoToMeeting
- Wednesday June 14th and Thursday June 15th, Helsinki

17 AOB

17.1 *The process of implementing updated/new CIM versions internally in the TSOs*

Pamina would like to know the process of implementing updated/new CIM versions internally in the TSOs. How do we do it?

Pamina hasn't been able to find anyone in Energinet, who knows the process, but would very much like to document and follow a specific process. In that way Energinet and the other TSOs can always proactively do the necessary changes in the IT systems to accommodate the changes in the utilized CIM documents.

A short discussion showed that update of CIM documents is done on ad hoc basis in the other TSOs.

Item closed.

17.2   Relationship between EU DSO Entity, ENTSO-E, ebIX and NMEG

Ove showed a mail from Marc de Zwaan (ebIX®) informing of a meeting between EU DSO Entity and ebIX®:

> Meeting: EU-DSO entity and ebIX
> Meeting date: November 18th 2022
> Participants: Peter Vermaat and Paul de Wit (EU-DSO entity), Marc de Zwaan (ebIX)

> Participants come to the conclusion that cooperation between the two entities might generate added value. EU-DSO entity (further: E-De) together with ENTSO-E has the mandate from the European Commission and has the assignment to draft a harmonized process for a.o. metered data, customer switching and demand response. ebIX has done a lot of work the recent years on this and results can be used by E-De and ENTSO-E instead of having to start from scratch and hence reinvent the wheel.

> In a follow up meeting we will investigate how a possible cooperation can take place (f.e. in a joint working group beneath E-De and ENTSO-e). Paul will contact Lucy and Vlatka to further discuss this and to make a proposal towards Peter Vermaat and ebIX-forum.

There is also a cooperation group between ENTSO-E and the EU DSO Entity under establishment. Jon-Egil expect to participate in this group.

Item closed.

17.3   Update of NMEG ToR in relation to new ToR from NIT

A ToR was drafted.

Action:

- Ove will add e-mail addresses to chapter 7 NMEG members and Contact Information and thereafter send the draft to NMEG for one week of commenting.

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 WG, IEC/WG16, CSSG, EEAT, ENTSO-E CIM tools, CIO/LIO
Jan (SE)	NMEG, HG, ebIX®, IEC/WG16+14, ESMP, TFD
Jon-Egil	NMEG, CIM WG, IEC/WG16, ESMP, CCC, CIO/LIO, TPC, TFD
Martin (SE)	CCC
Miika	CIM WG, NEX
Moustafa (SE)	CGMES
Oscar	CIO/LIO, ebIX®, CIM WG
Ove	NMEG, HG, ebIX®, IEC/WG16
Svein (NO)	IEC/WG14+13, CGMES
Teemu	NMEG, CIM WG, EBG, ETC, CIO/LIO

Abbreviations:

CCC	Coordinated Capacity Calculation (project under CIM WG)
CGMES	Common Grid Model Exchange Standard (subgroup under CIM WG)
CIO/LIO	Central Issuing Office / Local Issuing Office
CSSG	Communication Standards (subgroup under CIM WG)
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 WG)
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
TFD	ENTSO-E Task Force Data Interoperability and Access,
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[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					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
25.	ENTSO-E ERRP Activation Document	BRS for Operate						5.0 (not complete)

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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.

26.	Capacity Market Document	????						**7.1, 8.0**

Appendix C   BRS for Nordic Trading System: Mismatch between the sequence diagram and the sender/receiver roles in the Business Data View

Documentation	Arrow	Between	Sender/receiver in the Business Data View	Update of BRS
Currency Exchange Rate Document v2.0	7.6 Currency Exchange Rate	Data Provider -> Market Operator	*Sender:* **A11** Market operator **A05** Imbalance Settlement Responsible *Receiver:* **A05** Imbalance Settlement Responsible **A08** Balance responsible party **A46** Balancing Service Provider **A47** Energy Trader (Used for non-balance responsible traders) **A48** LFC Operator (replaces A04 System Operator)	Remove **A11** Add **A39** Data Provider as sender
	7.7 Currency Exchange Rate	Data Provider -> LFC Operator		
IEC/CIM Area Configuration Document	1.0 Area Specification	LFC Operator -> BSP	*Sender:* **A11** Market operator **A34** Reserve Allocator **A48** LFC Operator (replaces A04 System Operator) *Receiver:* **A08** Balance responsible party **A11** Market operator **A46** Balancing Service Provider **A47** Energy Trader	*Action:* • Jon-Egil will check if the Area Specification Document is used by RCC (NorCap)
	2.0 Area specification	Reserve Allocator -> BSP		
IEC/CIM Ediel Capacity Auction Specification Document	1.1 Auction Specification	LFC Operator -> BSP	*Sender:* **A11** Market operator **A34** Reserve Allocator *Receiver:* **A08** Balance responsible party **A46** Balancing Service Provider	
	3.0 Auction specification	LFC Operator -> BSP		
	2.1 Auction specification	Reserve Allocator -> BSP		
IEC/CIM Reserve Bid Document	1.2 aFRR bids	BSP -> LFC Operator		
	2.2 mFRR CM bids	BSP -> Reserve Allocator		
	3.1 Frequency activated reserves bids	BSP -> LFC Operator		
	3.4 Frequency activated reserves summary	LFC Operator -> Market Information Aggregator		
	4.0 mFRR EAM bids	BSP -> LFC Operator		

Documentation	Arrow	Between	Sender/receiver in the Business Data View	Update of BRS
	4.1 mFRR EAM bids (offer and need)	LFC Operator -> MOL Responsible	*Sender:* **A04** System Operator **A08** Balance responsible party **A39** Data Provider **A46** Balancing Service Provider *Receiver:* **A11** Market operator (TSOs) **A34** Reserve Allocator **A35** Merit Order List (MOL) Responsible (NOIS)	
IEC/CIM Bid availability document (ERRP)	4.2 Bid availability document	LFC Operator -> BSP	*Sender:* **A04** System Operator *Receiver:* **A46** Balancing Service Provider	
IEC/CIM Reserve Allocation Result Document (ERRP)	1.3 aFRR contracts	BSP -> LFC Operator	*Sender:* **A04** System Operator **A11** Market operator (TSO) **A34** Reserve Allocator *Receiver:* **A08** Balance responsible party **A11** Market operator (NOIS) **A46** Balancing Service Provider **A48** LFC Operator (replaces A04 System Operator)	
	2.3 mFRR CM contracts	Reserve Allocator -> BSP		
	3.3 Frequency activated reserves contracts	LFC Operator -> LFC Operator		

Documentation	Arrow	Between	Sender/receiver in the Business Data View	Update of BRS
IEC/CIM Ediel Publication Document (ECAN)	1.4 aFRR summary report	LFC Operator -> BSP	*Sender:* **A11** Market operator (or TSO) *Receiver:* **A08** Balance responsible party **A11** Market operator (NOIS) **A38** Reconciliation Responsible **A46** Balancing Service Provider **A47** Energy Trader (non-balance responsible party) **A48** LFC Operator (replaces **A04** System Operator)	
	2.4 mFRR CM market summary report	Reserve Allocator -> BSP		
	5.2 Bilateral trade report	LFC Operator -> LFC Operator		
	6.4 mFRR EAM price	Market Operator LFC Operator		
	7.0 Price report	Market Operator -> LFC Operator		
	7.1 Price report	Market Operator -> Market Information Aggregator		
	7.2 Activated or deactivated bids	LFC Operator -> BSP		
	7.3 Daily exchange report	Market Information Aggregator -> LFC Operator		
	7.4 Traded volume	LFC Operator -> BSP		
	7.5 mFRR EAM market price	LFC Operator -> BSP		
IEC/CIM Merit Order List Document	6.0 mFRR EAM bid list	MOL Responsible -> LFC Operator	*Sender:* **A35** MOL Responsible *Receiver:* **A04** System Operator	
Activation Document, **documented in NBS BRS**	5.0 Request bilateral trade	LFC Operator -> LFC Operator		
	5.1 Confirm/Reject bilateral trade	LFC Operator -> LFC Operator		
Activation Document, **docu-mented in BRS for Operate**	6.1 Activate or deactivate bids	LFC Operator -> BSP		
	6.2 Activation response	BSP -> LFC Operator		
Currently by telephone.	3.2 LFC Operator to LFC Operator trade	LFC Operator -> BSP		