


<b>Minutes:</b> NMEG meeting <b>Date:</b> Wednesday April 21 <sup>st</sup> <b>Time:</b> 10:00 – 12:00 and 13:00 – 15:00 <b>Place:</b> GoToMeeting	 <b>NMEG</b> Nordic Market Expert Group
April 30 <sup>th</sup> , 2021	

**Present:** Christian, Energinet  
Bent Atle (Statnett)  
Jan (DK), Energinet  
Jan (SE), Svenska kraftnät  
Jon-Egil, Statnett (Convenor)  
Mika, eSett  
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):** 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:

- Question to Process type for Schedule document from eSett, see item 9.3
- Some issues related to the ENTSO-E Acknowledgement document, see item 14.2.
- HG question regarding Energy Trader, see item 16.2.
- Difference between NBS User guide and XML schema, see item 19.1 under AOB.
- Implementation of an “Energy Community” in the Finish datahub, see item 19.2 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 group.

**References (links):**

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

Teemu informed that a first draft of a webpage for NEX is created and that Miika has got administrator rights to this page.

Mika informed that eSett is looking forward to having one web page to send to people asking for ECP information.

Miika informed that he expects to be able to present the ECP page at the next NMEG.

Jon-Egil informed that the Nordic countries are the only European countries that have established an ECP network. All other countries are only using ECP on a project level.

## 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.

Jon-Egil informed that Fedder has begun in a new job at Nordic RSC and that he has informed that the RSC has come up with some new documents not matching anything of what has been agreed earlier.

**Action:**

- Jon-Egil will contact the NORCAP project and get information of the latest status and offer our (NMEG) services.

### **Ongoing task:**

- Jon-Egil will inform Ove of which documents that will contain the new resolution (P1D)
- Thereafter Ove will update the BRS and upload it to Statnett's eRoom

## **5 Status for a common meeting with NEAT**

**Background:** NIT has taking over from MSC as "home" for NMEG and consequently we should have a common meeting with NEAT (Nordic Enterprise Architecture Team), e.g. half day (same time and place) to see how we can cooperate.

**References (links):** None.

**What to decide, discuss or inform:** Status for a common meeting with NEAT.

Tage informed that NEAT is reorganising, hence this is a good reason to contact them.

### **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.

### **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 New Reason Codes**

From Bent Atle:

We in the NBM project have a need to be able to use Activation\_MarketDocument for various purposes. It should now be used to exchange data between TSOs for what purpose the activation(s) has been made and for what purpose they are enabled for.

Standard Activation document has among others support for these codes A39 = SATCR Activation and A40 = DATCR Activation, we need a code ZXX - Period Shift (old: Period Adjustment).

We have therefore linked **Reason** code on **TimeSeries** where we want to know which ID a given auction the bid was used for. This is used, among other things, to provide the correct prices:

Unique identification of a given auction. ZXX - AuctionRunId\_Reason

Ref:

[http://informationarchitecture.pages.fifty.eu/contracts/information/TSO-TSO/MessageImplementationGuides/mFRR\\_Activation.html](http://informationarchitecture.pages.fifty.eu/contracts/information/TSO-TSO/MessageImplementationGuides/mFRR_Activation.html)

The following Reason code has been reserved (for NMEG approval):

Code	Name	Description
Z57	Auction Run ID	Unique identification of a given auction.

**Conclusion:**

- The new code was agreed and will be published.

**Action:**

- Ove will make a draft MR for a new attribute for the Run ID. The MR will be discussed in the NBM project before presented at the next NMEG meeting.
- Ove will publish the updated NMEG code list and related urn-entsoe-eu-local-extension-types.xsd directly.

## 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.

Nothing new.

## 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.

Review and update of statuses in NMEG MR Overview document.

Ove had as action from previous meeting sent MR NME 2018/138 to Jon-Egil for resubmission to CIM EG and made a MR for adding Scheduling Area to Object Aggregation (NMEG 2021/191) based on NMEG 2019/162.

**Continued action:**

- Jon-Egil will verify status of NMEG 2020/183, NMEG 2020/184, NMEG 2020/188

**Action (to be handled under item 9 in next agenda):**

- Ove will see if the following approved MRs will result in updated BRSs and if yes, put it on the next NMEG agenda.
  - New Business Type code agreed: **C57** Metered frequency
  - New Object aggregation code: **A15** Scheduling area

**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](http://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*

**Continued action:**

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

*9.2 NMEG Common rules and recommendations*

Comments from NMEG CIM-XML Subgroup were reviewed and most of them accepted.

**Action:**

- Ove will send the NMEG Common rules and recommendations on circulation for comments for one week before publishing the updated document.

*9.3 Question to Process type for Schedule document from eSett*

Unicorn was missing the Process Type "**Z15** External trade (Trade outside the Capacity Calculation Region)" in the urn-ediel-org-neg-ecan-publicationdocument-1-0.xsd from January 20 this year.

**Action:**

- Ove will add the Process Type "**Z15** External trade (Trade outside the Capacity Calculation Region)" to the urn-ediel-org-neg-ecan-publicationdocument-1-0-local-restrictions.xsd 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:**

Jan (SE) has as action contacted the Swedish project and offered them NMEGs help in making the needed CIM based xml schemas. The latest status is that the Swedish companies will hire external resources to make the CIM documents, but Jan (SE) has been invited to their start up meeting.

A status will be put on next NMEG.

## 11 Resolution for timeseries with only one observation

**Background:** Jan (SE) asked what resolution to use for timeseries with only one observation. This is typically a problem for weather data, e.g. for a single temperature.

If you want the time stamp on a minute resolution, Jon-Egil suggest using a resolution of one minute and specifying the time stamp as the start date/time and having a curve type "A02 point value".

**References (links):** None.

**What to decide,  
discuss or inform:**

Status after discussion in CIM EG for how to handle Curve Type **A02** and a resolution of 0 seconds (PT0S) to the Weather Document.

Jan (SE) informed that the document documenting the curve types has been updated and that this update is expected to be approved at the next CIM EG in May.

Item closed.

## 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 17<sup>th</sup>. ebIX® also agreed to pay for a secretary in such a project.

**References (links):**

**What to decide,  
discuss or inform:** Status from CIM EG if they can approve a common ebIX® and CIM EG project.

**Continued action:**

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

## 13 XML schemas

**Background:** The NMEG set of schemas, including extended table with TSO columns, are shown in Appendix 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](http://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](http://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](http://www.ediel.org).
- Ove will update the table based on NBM documentation received from Bent Atle (NBM/Fifty), when the NMEG BRSs are updated with NBM documents.

## 14 NMEG CIM-XML Subgroup

**Background:**

At the NMEG meeting November 2019, it was agreed to establish a NMEG CIM-XML Subgroup that will make Nordic CIM based XML documents. The following tasks are prioritised (updated at NMEG meeting March 2020):

- a) Update the NMEG model with the latest ebIX® extension;
- b) Make a road map for making CIM documents for the Danish Datahub version 3.0;
- c) Continue with NBS documents:
  1. NBS ebIX® based documents;
  2. NBS documents based on older ENTSO-E schemas;
  3. NBS master data documents.

The members of NMEG CIM-XML Subgroup are Jan (DK), Jan (SE), Teemu and Ove.

**References (links):**

**What to decide,**

**discuss or inform:** Status.

### 14.1 Status for alignment Validated measure data from an Exchange Point

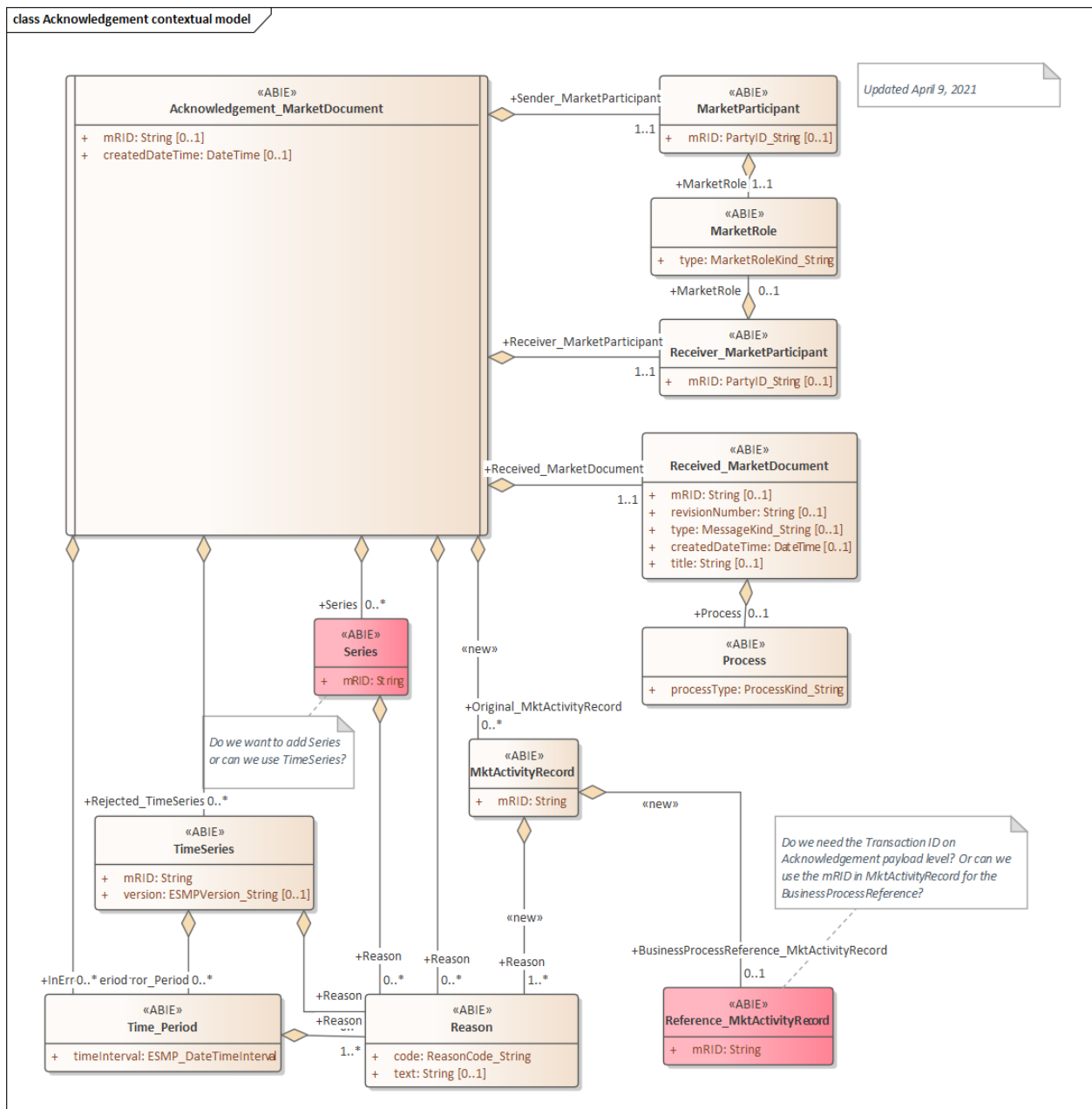
Jan (SE), Jon-Egil and Teemu participated at the EBG February 15<sup>th</sup> and explained the Nordic need for In- and Out Areas. The Nordic position caused a longer discussion, which resulted in the addition of In Area and Out Area as an option to using Direction and MGA to determine the direction for validated data from Exchange Points.

Item closed.

### 14.2 Some issues related to the ENTSO-E Acknowledgement document

Below is shown a proposal for an update of the ENTSO-E Acknowledgement document:

- Addition of an Original\_MktActivityRecord with an association to Reason.
- No separate Transaction ID for each payload repetition.
- A Series class replacing the TimeSeries class....



Some questions:

- Do we want a separate Transaction ID for each payload repetition?
  - o Denmark will continue using a separate Transaction ID if continuing with eBIX® based messages in version 3.0 of the hub. If moving to CIM documents externally, the Transaction ID will probably be removed.
  - o Jan (SE) informed that in the Swedish APERAK there is a separate Transaction ID, needed if you cannot get hold of the original Transaction ID.
- Can we use TimeSeries in Acknowledgement Document and Series in “measure documents”?



**Conclusions:**

- We will keep the Transaction ID with a comment that it is a Danish speciality.
- We keep the added Series class

Item closed.

**14.3 Report from NMEG CIM-XML Subgroup; GoToMeeting March 15<sup>th</sup>**

- Participants Christian, Jan (DK), Jan (SE) and Ove.
- Ove had as action made the first part of RSM-035: Request Price List (the request – Confirm and Reject is missing).
- Christian had several comments to the “Ediel common rules and recommendations”, which was reviewed and added to the document. The comments will be sent to NMEG for review at the next NMEG meeting. The agreed updates from the NMEG meeting the week before will be publish as planned.

**Actions:**

- Ove will continue adding missing RSMs to the mapping document (memo):

**14.4 Report from NMEG CIM-XML Subgroup; GoToMeeting March 19<sup>th</sup>**

- Participants Christian, Jan (DK), Jan (SE) and Ove.
- Ove had as action made the finalised “RSM-035: Request Price List” and started on “RSM-017 Request wholesale settlement”.
- Most of the meeting was used to clarify some issues from Ove, found during the mapping work. Among others, the Confirm Request Price List document in RSM 35 was removed except for a comment: “This document is described in chapter 22, CIM based RSM-035: Request Price”.
- However, resolving these issues did not take the whole time available, hence the meeting lasted less than one hour all together.

**Actions:**

- Ove will continue adding missing RSMs to the mapping document (memo):

RSM-017: Anmod om engrosydelsler - (*RSM-016*)  
RSM-019: Fremsend beregnede engrosydelsler - (*RSM-014*)  
RSM-021: Ændring af målepunkt stamdata - (*RSM-022*)  
RSM-023: Forespørg om målepunkt stamdata (svar) - (*RSM-022*)  
RSM-027: Ændring af kundestamdata - (*RSM-028*)  
RSM-029: Forespørg om kunde stamdata (svar) - (*RSM-028*)  
RSM-030: Ændring af afregningsstamdata - (*RSM-031*)  
RSM-032: Forespørg om afregningsstamdata - (*RSM-031*)

**14.5 Report from NMEG CIM-XML Subgroup; GoToMeeting April 8<sup>th</sup>**

- Participants Christian, Jan (DK), Jan (SE) and Ove.
- Ove had as action made the rest of the mappings:
  - o RSM-017: Anmod om engrosydelsler - (*RSM-016*) - Request wholesale services
  - o RSM-019: Fremsend beregnede engrosydelsler - (*RSM-014*) – Notify wholesale services

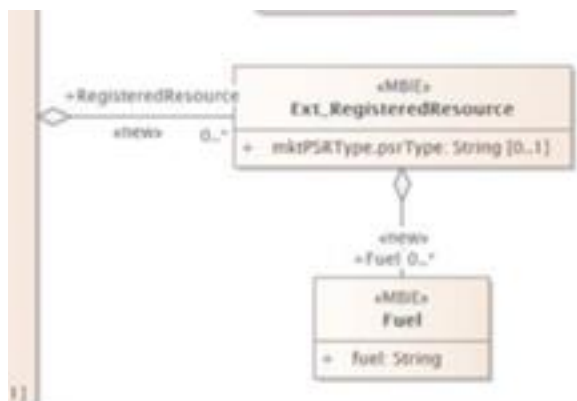
- o RSM-021: Ændring af målepunkt stamdata - (RSM-022) - Request change of Accounting Point characteristics
  - o RSM-023: Forespørg om målepunkt stamdata (svar) - (RSM-022) –
  - o Confirm request Accounting Point characteristics
  - o RSM-027: Ændring af kundestamdata - (RSM-028) – Request change Customer characteristics
  - o RSM-029: Forespørg om kunde stamdata (svar) - (RSM-028) - Confirm request Customer characteristics
  - o RSM-030: Ændring af afregningsstamdata - (RSM-031) - Request change billing master data
  - o RSM-032: Forespørg om afregningsstamdata - (RSM-031) - Request billing master data
- Jan (SE) had informed about the latest input regarding the addition of “EnergyTechnologyAndFuel” into CIM.
    - o So far, I have not seen problems using MktPSRType for technology and the new class Fuel for the fuel. The latter would of course not be a problem.

**Question from Ove:**

- Couldn't it a problem that technology cannot be repeated?

**Conclusion:** Probably OK to repeat fuel per technology and not vice versa.

- o Specifying the technology in MktPSRType gives the possible result of having a structure like this in the “message”:



I.e. for the MarketEvaluationPoint you have one or more associations to RegisteredResource (and not “Ext\_” as in the figure). One for each technology. For each of those technologies you specify zero, one or more fuels. If just wanting to specify one or more fuels, the RegisteredResource-class would be empty.

I think that could work.

- o Another note below is the possibility, once MarketEvaluationPoint is associated with RegisteredResource, to tell what kind of resources you find behind the MarketEvaluationPoint – like a battery, an electrical car etcetera.
- o Have the resources been described in ebIX® BRS:s? And how will the actor aggregator influence the settlement?

**Ove informed:**

- The resource is a central part of the “ebIX® BRS for Prepare and aggregate Resources” (mentioned 148 times in the BRS). Some assumptions from the BRS:

- There can only be one Flexibility Service Provider (FSP) for one Resource for a delivery period.
- The effect of a Resource is metered or calculated. This must be done on Accounting Point level and can in addition be measured at individual Resource level. These measured data are made available for the Flexibility Service Provider and for other roles based on national rules, i.e. these individual Resource level measured, or calculated, data are not necessarily made available via a Metered Data Responsible and/or Metered Data Administrator.
- A resource can over time be linked to several Accounting Points or Sub Accounting Points, such as for Electrical Vehicles.
- An Accounting Point may have multiple Resources.
- From each Accounting Point it may be split off one or more Sub Accounting Point(s) (with zero or more Resources), which is metered. The Sub Accounting Points (SAPs) must be treated as normal Accounting Points (APs) in the market processes. Where we write in this document Accounting Point it applies as well for a Sub Accounting Point.
- The energy flow of an active FSP must be measured at Accounting Point level or Sub Accounting Point level, hence for the Resource Aggregation processes, Accounting Point and Sub Accounting Point measurements are equal.
- The amount of flexibility (production/consumption) activated from a Resource can be profiled (dependent on national rules).
- It is assumed the System Operators publish constraints for their grid.
- It is assumed the contract for the Resources are cancelled when the Customer of the Accounting Point moves out, so the registration in the Metering Point Administration is ended. If the Resource Provider stays at the Metering Point with the new Customer, the Flexibility Services Provider will have to register again for the Accounting Point.
- We use Accounting Point as the object where energy (transfer) is measured for market purposes and where market players, including the Resource Provider, assume certain responsibilities in well-defined roles. The administration for these Accounting Points and the responsibilities is the Metering Point administration, performed by the Metering Point Administrator.
- We assume all Resources belong to continuously metered Accounting Points (with non-profiled allocation). From USEF:

Shifting load for customers at Accounting Points, that are allocated based on synthetic profiles, will not have a direct impact on the position of the BRP. This effect may be indirect, depending how the residual balancing surplus or shortage is allocated. A transfer of energy from/to the residual balancing surplus is imaginable, yet very cumbersome and not logical considering the trend to move away from synthetic profiles, and to base wholesale settlement on actual measurements (i.e., smart meter data for residential customers). If the Transfer of Energy (ToE) cannot be facilitated, the

flexibility can only be used for flexibility services without a transfer of energy.

- Most of the meeting was spent on reviewing the “mapping memo”, where several corrections and changes were agreed.

**Action:**

- Jan (SE) and Ove will bring the question to ETC: if Status Type (Response Condition Code: **39** Approved / **41** Rejected) will be a part of ebIX® CIM documents.
- Ove will update the Mapping document.

*14.6 Report from NMEG CIM-XML Subgroup; GoToMeeting April 12<sup>th</sup>*

- Participants Christian, Jan (DK), Jan (SE) and Ove.
- Ove had as action corrected some of the mappings:
  - o Added “Response Reason Description” to all reject documents were missing, as MktActivityRecord / description for “Structure (master data) documents” and as Series / Reason / text for “Measure documents”.
  - o 006 – Request Accounting Point Characteristics: Added Initiator\_MarketParticipant.
  - o RSM 009 – Acknowledgement: Added MktActivityRecord to Acknowledgement\_Market Document (parallel to Time series) and a BusinessProcessReference\_MktActivityRecord association to a Reference\_MktActivityRecord.
  - o RSM 012 – Notify Validated measure data: Added In\_Domain and Out\_Domain
  - o RSM-014 - Notify Aggregated Time Series: Added In\_Domain and Out\_Domain
- It was agreed to Replace “MktActivityRecord / reason and description” by a “Reason code and text” for all Structure (master data) “Rejection documents”.
- It was a longer discussion related to the mapping of the Acknowledgement document:
  - o Today Denmark uses a Transaction ID for each payload level in the Acknowledgement document, in addition to the “Business Process Reference” (reference to original Transaction ID) – In the ENTSO-E document only the “Rejected Time Series / mRID” (= “Original Business Process Reference”) is used.
  - o Elhub uses only “Original Business Document Reference” (Original message ID) and “Original Payload Reference” (“Original Business Process Reference”) – I.e. do not have a separate Transaction ID for each payload repetition in the Acknowledgement document.
  - o In the Swedish datahub it looks like http codes are used for responses (according to RFC 7807 (?)) – I.e. no specific Acknowledgement document.
  - o If we use the ENTSO-E principles, the Reason codes **A01** (Message fully accepted), **A02** (Message fully rejected) and **A03** (Message contains errors at the time series level) are used on document level in:

Acknowledgement\_MarketDocument / Reason / code

On payload level, either **B06** (Time series accepted) or an error code will be used in:

Acknowledgement\_MarketDocument / Rejected\_TimeSeries / Reason / code

**Conclusion:**

- o We will bring the discussion to NMEG.
- New meetings were agreed on May 3<sup>rd</sup>, 10<sup>th</sup>, 21<sup>st</sup> and 31<sup>st</sup> - all from 10:00 to 11:30.

**Actions:**

- Ove will prepare a proposal using the ENTSO-E Acknowledgement document with:
  - o Addition of an Original\_MktActivityRecord with an association to Reason.
  - o No separate Transaction ID for each payload repetition.
  - o A Series class replacing the TimeSeries class.

And some questions:

- o Do we want a separate Transaction ID for each payload repetition?
- o Can we use TimeSeries in Acknowledgement Document og Series in “measure documents”?

And add it to a new agenda for next NMEG meeting.

Jan (SE) and Ove will also bring the questions to ETC.

- Ove will replace “MktActivityRecord / reason and description” by a “Reason code and text” for all Structure (master data) “Rejection documents”

*14.7 Report from NMEG CIM-XML Subgroup; GoToMeeting April 19<sup>th</sup>*

- Participants Christian, Jan (DK), Jan (SE) and Ove.
- Ove had as action replaced “MktActivityRecord / reason and description” by a “Reason code and text” for all Structure (master data) “Rejection documents”.
- The review of the mapping document continued, starting with questions regarding RSM 009 Acknowledgement. Among others, the following changes were updated:
  - o A question to NMEG was added regarding reintroduction of Transaction ID for the Acknowledgement document.
  - o Monthly Aggregations will be added to a new “Aggregation\_SeriesPeriod” (e.g. P1M) in RSM 017 (Mapping of wholesale settlement)
- A “Process kind (prosess variant)” is today exchanged in the header but is wanted in the payload level in RSM 16 and 19.
- At next meeting we will continue with questions to RSM 21, among others:
  - o “Child Market Evaluation Point” is part of CIM model for RSM 021 and RSM 022, but not present in “EDI transaktioner” – Correct? If yes, is it correct that it is [0..1] and not [0..\*]?
- Some information from Jan (SE) from after the meeting:

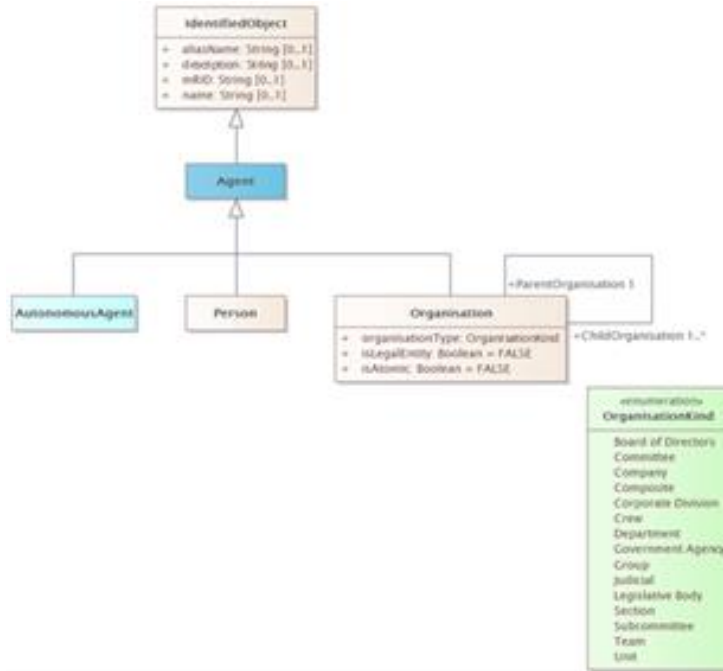
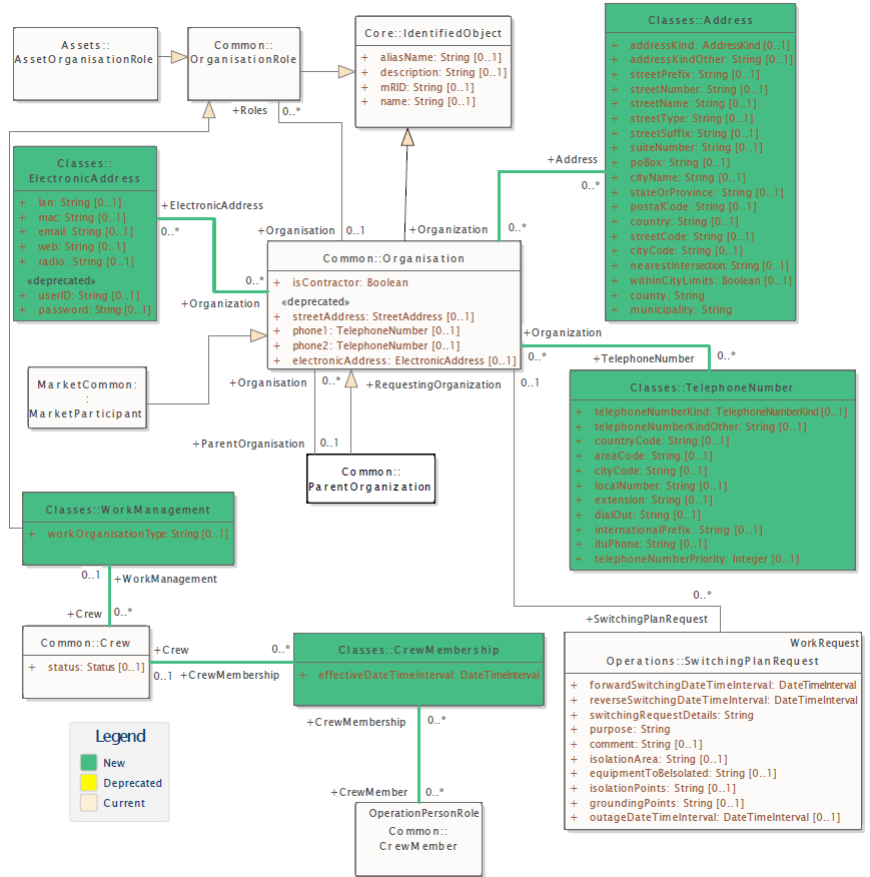
The class diagram shows a draft from IEC TC57 WG14 regarding changes in CIM about address information. Instead of compounds we should get classes.

Currently there is also a work going on trying to put Organisation in parallel with Person, making it possible to inherit associations like this (address information) to both (or more) classes.

Here is the latest, but not final, figure showing this. With a parent class currently called "Agent", and another parallel class with Person and Organisation (to be used for, I would say, non-human IT-systems – with more or less AI).

The below is handled in a joint WG13-14-16 task force (having meetings every Tuesday) where I participate, as one representative from WG16. Another Nordic representative is Svein Olsen from Statnett.

The draft from WG14 will also then be discussed in this task force (called "COMET").



**Action:**

- Ove will add “Process variant” also is used in RSM 16 and 19  
*Information from after meeting:* Added.
- Ove will add “Aggregation\_SeriesPeriod” to RSM 017 (Mapping of wholesale settlement)  
*Information from after meeting:* Added.
- Christian will verify if “Process variant” also is used in RSM 14 and 17.
- Today Accounting Point is more used as term than Metering Point – all will think about if we should use Metering Point instead of Accounting Point.
- Jan (DK) will make a list over open Danish question to the mapping document.

**14.8 Report from NMEG CIM-XML Subgroup; GoToMeeting April 26<sup>th</sup>**

- Continue with questions to mapping document, starting at RSM 021, among others:
  - o “Child Market Evaluation Point” is part of CIM model for RSM 021 and RSM 022, but not present in “EDI transaktioner” – Correct? If yes, is it correct that it is [0..1] and not [0..\*]?

**Actions:**

- Christian will verify if “Process variant” also is used in RSM 14 and 17.
- Today both Accounting Point and Metering Point is used as term in the mapping document and in CIM – all will think about if we should rename Accounting Point to Metering Point all places.

**15 Status for update of [www.ediel.org](http://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](http://www.ediel.org).

Further there is a need to upgrade the PHP version and make a “face lift” of the web site.

**References (links):** [www.ediel.org](http://www.ediel.org).

**What to decide,**

**discuss or inform:** Status.

Jon-Egil had found a Nordic map that includes Denmark for the front page and had added it.

**Action:**

- Teemu volunteered to make a layout upgrades, such as using a bigger font on the left side menu and making titles in bold.

**16 Review of documents from CIM EG subgroups, IEC groups etc.**

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

**References (links):**

**What to decide,**

**discuss or inform:** Review of documents from CIM EG subgroups that is of interest for the Nordic market.

### 16.1 Naming of UnitSymbol in ESMP

Bent Atle has noted that the naming of UnitSymbol not is consistent. The problem is that the UnitSymbol datatype and the UnitSymbol «Enumeration» has the same name.

The item is on the agenda for the ESMP subgroup but has not been delt with yet.

Status after discussions in CIM EG ESMP subgroup will be put on the next agenda.

### 16.2 HG question regarding Energy Trader

Jan (SE) and Ove has as action from latest HG meeting to verify the following:

- If we can remove the association from the Energy Trader to the AP?

**Conclusion:**

- Yes – can be removed.

- If we can add an associate from the Energy Trader to the Party Connected to the Grid (instead of the AP)?

**Conclusion:**

- We do not see any reason for the Energy Trader to have an association to the Party connected to the Grid in the HRM. However, we do not have a problem having it if the lower cardinality is zero.

- If we need to reintroduce the Block Energy Supplier?

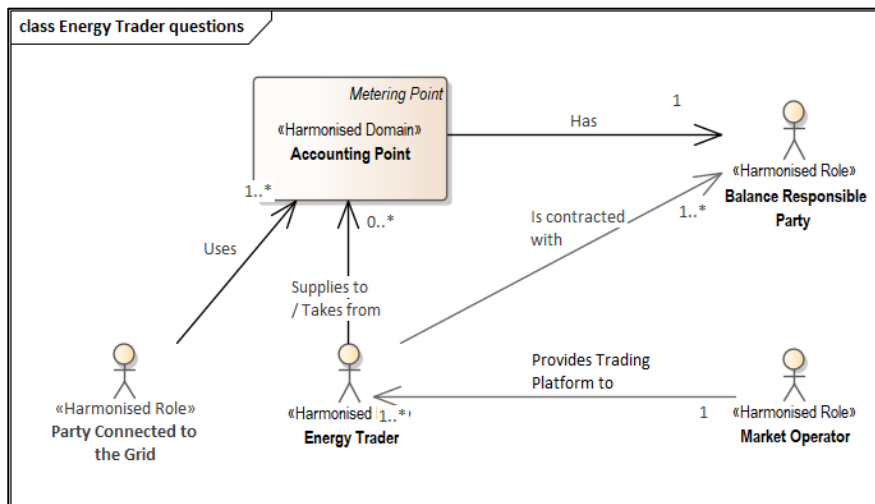
**Conclusion:**

- We do not need a Block Energy Supplier in the Nordic countries.

- If we can change the cardinality of the association from the Energy Trader to the BRP from [1..\*] to [0..\*]?

**Conclusion:**

- In the Nordic countries the Energy trader will always be contracted with a BRP but we can live with a lower cardinality of zero.



Item closed.



## 17 Information (if any)

Energinet has put the next generation of the DataHub publicly on Github and is actively inviting new partners to join the project. You can read more here: [GitHub - Energinet-DataHub/green-energy-hub: National energy transmission system operator data hub developing to support change toward decarbonised economies](https://github.com/Energinet-DataHub/green-energy-hub: National energy transmission system operator data hub developing to support change toward decarbonised economies).

Jan (SE) informed Svenska kraftnät has established an internal CIM Expert Group to keep each other informed.

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

NMEG Corona GoToMeetings:

- Thursday May 20<sup>th</sup>, 10:00 – 12:00 and 13:00 – 14:00, GoToMeeting
- Wednesday June 23<sup>rd</sup>, 10:00 – 12:00 and 13:00 – 15:00, GoToMeeting

NMEG scheduled face-to-face meetings<sup>1</sup>:

- None scheduled

NMEG CIM-XML subgroup GoToMeetings:

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

## 19 AOB

### 19.1 Difference between NBS User guide and XML schema

According to the user guide for NBS, see <https://ediel.org/wp-content/uploads/2019/12/NBS-UserGuide-2r2A-20191213.pdf>, the identification of the Metering point could be up to 35 characters long.

See e.g. page 13 and 22.

Metering Point Used Domain Location	Metering Point Used Domain Location Complex Type	1..1		MeteringPointUsed DomainLocation
Identification	Unique identification of the Metering Point	1..1	A35	Identification

However, according to the XML schema, the identification of the metering point may only be maximum 18 characters long.

See the extract:

```
<xsd:complexType name="DomainLocation">
  <xsd:sequence>
    <xsd:element name="Identification" minOccurs="1" maxOccurs="1">
      <xsd:complexType>
        <xsd:simpleContent>
          <xsd:restriction base="mdt:DomainIdentifierType_000122">
            xsd:maxLength value="18"/>
          </xsd:restriction>
        </xsd:simpleContent>
      </xsd:complexType>
    </xsd:element>
  </xsd:sequence>
</xsd:complexType>
```

<sup>1</sup> 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.

```

        </xsd:simpleContent>
    </xsd:complexType>
</xsd:element>
</xsd:sequence>
</xsd:complexType>
<xsd:element name="InAreaUsedDomainLocation" type="mie:DomainLocation"/>
<xsd:element name="MeteringPointUsedDomainLocation" type="mie:DomainLocation"/>
<xsd:element name="OutAreaUsedDomainLocation" type="mie:DomainLocation"/>

```

We will discuss this in Sweden next week. I would say that since the industry standard in Sweden is to use GSRN, the identification should not be longer than 18 characters. The only case would be when someone uses an internal identification and not follow standards. And, I would presume, this only would happen (since GSRN is the industry standard) for the situation where you are having a Production unit < 1 MW.

In the NBS Handbook we read (chapter 5.4.2.3):

National rules in Sweden state that production with installed capacity < 1 MW should be merged to one PU per RE and MGA with production type *normal*. These PUs (consisting of aggregated production) are reported separately in the same way as production with installed capacity > 1 MW.

For some reason, some DSOs then create longer identifications than 18 characters for this kind of “merged PU”s.

My proposal before the Swedish meeting would be not to suggest changing the schema but change the user guide.

However, I will let you know of the result of that meeting.

The problem is of course that some exchanged messages are in conflict with the XML-schema (however, they follow the user guide – and probably it was there the vendor looked).

The issue was discussed in a meeting in the week starting with March 22<sup>nd</sup> – the result of the discussion was:

- 1) Jan (SE) should bring this up in NMEG. Apparently does not eSett check the length of the identifications. Are there other syntax errors that are not detected / not reported back to the senders? What would happen if eSett started to check this? Wouldn't it be better to get an error message back, informing the sender that they must, correct? How would that error message look like?
- 2) I will contact the senders of messages having too long identifications and suggesting them to change (shorten) their identifications.
- 3) When an identification is changed, how is that informed to others getting this kind of information from eSett?
- 4) This is not only a problem in Sweden, at least in Norway there are also (according to what was said at the meeting) identifications of production units that are longer than 18 characters.

From Anne Stine (Elhub):

- Based on the below email exchange we have had a brief discussion and verification of the Norwegian use of number of characters in metering point identification. For a time there was a need for separating metering point IDs on combined production and consumption metering points, using an additional P for Production, hence the usage of more than 18 characters. We can no longer see the need for this

remedy, and a use of 18 characters only should also be okay with regards to Norwegian metering point identification.

*Tuomas Pulkkinen (eSett):*

- Before doing anything irreversible, I'd like to provide some statistics for you that may or may not help in the decision-making process.
  - Currently eSett has 435 active units with a metering point identification that is longer than 18 characters.
  - Those are distributed among 33 different market participants (grid owners) in Finland and Sweden.
  - All 435 units are using either national Finnish or Swedish coding scheme which according to my understanding do not have any specified length limitations other than the mentioned 35 in the user guide.
  - Most characters in an active unit are **34** at the moment.

I'm afraid that some of those 33 market participants are unable to change their own systems to support a max length of 18 characters also for national codes, or at least it might be very difficult and probably costly.

If a max length of 18 characters will be applied also for national codes, we should get request for it from TSOs and clearly state it in NBS Handbook, so that it is obvious also for the market participants and becomes a part of market rules.

Finally, I believe that this issue should probably solve itself latest when also Finland and Sweden have their national datahubs up and running.

**Conclusion:**

- We will update the Metering Point ID length to 60, as is the new length in ENTSO-E documents, in the ebIX® based ValidatedDataForSettlementForAggregator (this is the only document with a Metering Point ID). However, we will keep the maxLength in the User Guide to 35 characters, to avoid need for updates for the actors.

**Action (to be handled under item 9 in next agenda):**

- Ove will make a MR for extending the length of the MeasurementPointID\_String to 60 characters (currently 35 characters), like ID\_String.
- Ove will update the Metering Point ID length to 60 in in the ebIX® based ValidatedDataForSettlementForAggregator directly.

*19.2 Implementation of an "Energy Community" in the Finish datahub*

Teemu informed that the Finish datahub has started the specification work for addition of an Energy Community, based on EU directive 2019/944 of June 5<sup>th</sup>, 2019 on common rules for the internal market for electricity, and expect implementation from 2023.

**Action:**

- All are asked to investigate if there are ongoing national projects.
- Ove will follow up in the ebIX® EBG group.

## 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 <sup>2</sup>	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

<sup>2</sup> 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							<b>5.0 (not complete)</b>
26.	Capacity Market Document	???							<b>7.1, 8.0</b>