


Minutes: NMEG meeting Date: Monday December 16 th Time: 11:00 – 14:00 Place: Teams	 NMEG Nordic Market Expert Group
February 4 th , 2024	

Present: Jan (DK), Energinet
Jan (SE), Svenska kraftnät
Ove, Edisys (secretary)
Rasmus, Energinet
Søren, Nordic RCC
Teemu K, Fingrid Datahub

To (NMEG): Anne Stine, Elhub
Christian, Energinet
Jan (DK), Energinet
Jan (SE), Svenska kraftnät
Jon-Egil, Statnett (convenor)
Mario, Elhub
Miika, Fingrid
Ove, Edisys (secretary)
Rasmus, Energinet
Teemu H, Fingrid
Teemu K, Fingrid Datahub

CC: Bent Atle, Edisys
Fedder, Energinet
Hans Erik, Elhub
Pamina, Energinet
Tage, Energinet

To (Invited guests): Antti, eSett
Søren, Nordic RCC
Tommy, eSett
Tuomas L, eSett
Tuomas P, eSett

Appendix A: Overview of Nordic memberships in international standardisation bodies
Attachment: None

1 Approval of agenda

Rasmus was welcomed to NMEG. He will discuss internally in Energinet if he will join NMEG also for further meetings.

The agenda was approved with the following additions:

- Missing Reason Type Code for availability plans for Nordic RCC, see item 6.1
- BRS for Nordic Operational system, see item 7.1.1
- Shall we remove or update links to the ebIX® web site?, see item 9.5
- Shall we ask CIM WG to establish an ESMP change log and a status log for MRs, see item 17.1 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 Alternative to Unicorn Mades (ECP) End Point in the GO language from Energinet

Background: Energinet has developed an alternative to the Unicorn Mades (ECP) End Point in the GO language that is 100 times faster than and uses 100 times less resources than the alternative from Unicorn. Energinet and Statnett will run a pilot project to test it out.

References (links):

What to decide, discuss or inform: Status for finalising and implementation of the new ECP End Point software.

The item was postponed.

4 Nordic Dynamic dimensioning project

Background: The Nordic Dynamic dimensioning project will make an optimisation of the mFRR market. It is a Nordic TSO project based on AI. It should be relevant for NMEG when the project comes to data exchange between the TSOs.

References (links):

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

The item was postponed.

5 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.

Further, NIT has approved the establishment of a short-term secure communication platform and short-term ECP requirements. However we will also have to investigate long-term solutions. It is NEX responsibility to do the work. NMEG will follow up and supervise.

References (links):

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

5.1 How to handle the new NMEG strategic action: "Establish a secure Nordic Communication platform"?

Background: NIT has approved the establishment of a short-term secure communication platform. It is NEX responsibility to do the work. NMEG will follow up and supervise.

References (links): From the NMEG roadmap:

NMEG will together with the Nordic TSOs specify and establish a secure Nordic Communication platform for secure information exchange between the Nordic TSO organisations in case of a major IT incident and/or any secure communication need between the Nordic TSOs.

What to decide,

discuss or inform: Status for the project

This is an ongoing task where the actual work is done in NEX. Jon-Egil is following the task as NMEG representative.

The item was postponed.

5.2 How to handle the new NMEG strategic action: "Establish new ECP requirements"?

Background: NIT has approved the establishment of a short-term ECP requirements. However we will also have to investigate long-term solutions. The NEX group is the one who have the knowledge and the one to making the first draft of an ECP recommendation. NMEG will follow up and supervise.

References (links): From the NMEG roadmap:

NMEG will establish new ECP requirements to be sure that ECP will be compliant with the future TSO needs.

This is also an ongoing task where the actual work is done in NEX. Jon-Egil is following also this task as NMEG representative.

The item was postponed.

6 Support to Nordic RCC

Background: The Nordic RCC is a central body in the Nordic energy market with need for common data exchange standards, hence a natural member of NMEG.

References (links): None.

What to decide,

discuss or inform: Update of BRs, MRs for CIM and/or ESMP, etc. All based on Nordic RCC needs.

6.1 Missing Reason Type Code for availability plans for Nordic RCC

From Fedder:

My colleague, [@Rasmus Elving](#) reached out to me yesterday with a question on a missing Reason Type Code when preparing availability plans for Nordic RCC. The issue is when a production unit changes Balance Supplier, its availability stops, but usually a new one starts immediately after. And we don't think that any of many the existing codes are quite fitting for that purpose. Now we could create a local code for this purpose, but I assume that change of BRP for production units aren't isolated to the Danish market, and hence it could warrant at least a Nordic code.

Could you reserve a half hour slot at the next NMEG call and invite Rasmus, so he can present the issue in further depth, in the hope that you can give him (us) some guidance?

Rasmus presented the need for new Reason codes. The codes will be used in a new implementation expected in June 2025.

Action:

- Rasmus will make a draft MR to ENTSO-E (Ove will send Rasmus an example MR as a template).
- The MR will be discussed at the next NTC meeting January 8, 2025.

7 Support to the NBM project

Background: The NBM-project (Nordic Balancing Model) is going forward and there is a need for several 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.

7.1 Alignment of NMEG BRSs and NBM BRSs/IGs

7.1.1 [BRS for Nordic Operational system](#)

Ove found some missing text in the Nordic Operate BRS that needs to be added/updated before publication.

The item was Postponed.

7.1.2 [the BRS for Nordic scheduling system](#)

Continue review of BRS for Schedules, starting at chapter 6.1.5.

The item was Postponed.

7.1.3 [the BRS for Nordic trading system](#)

Continued action:

- Ove will continue updating the NMEG BRSs for Nordic trading system with content from the NBM BRSs/IGs

The item was Postponed.

8 Support to NBS (eSett)

Background: NMEG has made a set of BRSs for NBS (Nordic Balance Settlement). NMEG has also drafted a set of documents, both based on older ENTSO-E and ebIX® standards, and newer based on CIM. These BRSs and messages needs to be maintained and extended based on new requirements from the market.

References (links): <https://ediel.org/nordic-balance-settlement-nbs/>

What to decide,

discuss or inform: Status for the updates and extensions of/to NBS BRSs and documents.

8.1 NBS BRS and related User Guide

Conclusion from meeting October 22nd and 23rd:

- NMEG suggest moving the User Guides to the archive folder and rediscuss the need for the User Guides if someone asks for them.

Tuomas P (eSett) agreed to the Conclusion from previous meeting, hence Ove has moved the User Guides to the archive folder.

Continued action:

- Teemu H will try enabling Google analytics or like to be able to get statistics in the future.

8.2 CIM for NBS

NTC has made a proposal for how to migrate from old ebIX® documents to CIM documents for the NBS ebIX® based documents.

Still to investigate:

- Is the association without a name in the “Aggregated Data Per Neighbouring Grid...” (the “MGA responsible for the measurements”) still needed or can we use the MarketParty (DSO) instead?

Response from Tuomas P:

Based on my analysis using the MarketParty (DSO) instead of “MGA” (MGA responsible for the measurements) should be fine from our perspective.

I investigated our internal documentation, and the “MGA” (MGA responsible for the measurements) is used in the data processing rules when determining the direction of the flow, out area, in area and the correct signs (+/-) for them.

In most cases, replacing it with “DSO” should be fine. I tried also thinking about scenarios where the “DSO” is same for both “In Area” and “Out Area” and if it causes any issues, but I believe that it should still work.

The item was Postponed.

9 Status and update of Nordic BRSs and other documents if needed

Background: NMEG is responsible for a set of BRSs and other documents, such as the NMEG code list, which 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 NMEG CIM master data documents

Continue the discussions with Jan (SE)’s colleagues from Svenska kraftnät who are working with the future “master data system”.

Continued action:

- Ove will make a first draft of a Nordic Master data BRS, starting with the
 - Ediel CIM Party Master Data Document
 - Ediel CIM Portfolio Master Data Document
 - Ediel CIM Resource Master Data Document
- The item was Postponed.

9.2 BRS for Nordic Scheduling and Ancillary Services Processes: ERRP Planned Resource Schedule Document for Svenska kraftnät

Continued action:

- Denmark will investigate if Business types A10 and A12 still are used for Ancillary services schedules in Denmark.

The item was Postponed.

9.3 Update of NMEG code list (if applicable)

9.3.1 Shall we deprecate Business Type code “Z76 Day ahead prices used for CZC forecast calculation”

Decide if the Business Type code **Z76** shall be deprecated or kept. If kept, can we find a better description of the code:

Code	Name	Description
Z76	Day ahead prices used for CZC forecast calculation	Day ahead prices used for Cross Zonal Capacity forecast calculation

(**CZC** = Cross Zonal Capacity = The cross-zonal transmission capacity between two bidding zones.)

Continued action:

- Business experts at NRCC know of no usage. Søren to scan data once available.

9.3.2 Request for new Reason code for ASP trades between Energinet and Svenska Kraftnät

We have received a request for a new Reason code related to go-live of the new ASP trades between Energinet and Svenska Kraftnät.

The following code has been reserved:

Code	Name	Description
Z97	Reserved by Energinet/Svenska kraftnät: Mitigate polarity reversals	Mitigating of polarity reversals due to frequently change of electricity flow direction.

In addition, we have received some questions:

- 1) When creating a trade between two TSO's (eg. ASP), is it expected to use the Reason.Code field, populated by one of the codes found here? 2.9 Reason code page 27: <https://ediel.org/wp-content/uploads/2024/09/NMEG-Code-List-Library-2rOF-20240912.pdf>

NMEG comment:

The reason codes should preferably be found in the ENTSO-E code list, see: <https://www.entsoe.eu/Documents/EDI/Library/CodelistV91.zip> (and attached). If no suitable codes found her, we should make a Maintenance Request to ENTSO-E for addition of the new code or eventually define our own Nordic code (either as an intermediate code until the new is approved by ENTSO-E or as a permanent Nordic code) and publish it at Ediel.org in the code list you reference.

- 2) I also need to add an indication of which TSO has made the request of the trade. The idea is to use the <in_MarketParticipant.mRID> field in timeseries. Do you have any other suggestions or best practices?

First response from Ove:

I think the alternative is using the Subject_MarketParticipant.mRID in the header of the message. However, if you can send several TimeSeries in one message and it can be different TSOs for each TimeSeries, I believe your suggestion is the best.

Response from Jon-Egil:

Regarding the need for an indication of the requester of the trade, you also could consider this document : <https://nordic-balancing.pages.fifty.eu/information/TSO->

[TSO/MessageImplementationGuides/mig/aggregatedactivations-agreed-supportive-power-plannedresourceschedule_marketdocument.html](https://nordic-balancing.pages.fifty.eu/information/TSO-TSO/MessageImplementationGuides/mig/aggregatedactivations-agreed-supportive-power-plannedresourceschedule_marketdocument.html).

This is meant for the actual ASP's while the "Planned Flow Agreed Supportive Power TSO" document:

https://nordic-balancing.pages.fifty.eu/information/TSO-TSO/MessageImplementationGuides/mig/planned-flow-agreed-supportive-power-tso-schedule_marketdocument.html

is meant for the resulting flow.

Conclusion from project:

There is no time to change the document type as suggested by Jon-Egil, hence the original proposal will be implemented.

- 3) Full page or dynamic: I was unable to find any documentation on whether it is best practice to fill out all combinations of timeseries with value 0, or if we should dynamically add the timeseries as the trades are made. Filling out all combinations gives assurance of the expected document on each send, but the dynamic timeseries saves data and traffic.

Response from NMEG:

Using CurveType **A03** (or **A04** or **A05**) is an option to reduce the number of zeroes in the documents. NEG is not aware of any "best practice" in this area, hence it is up to the project to decide.

An argument for using CurveType **A01** is that you know you have received all data.

Conclusion:

- The new code (**Z97**) was approved under the condition that Jon-Egil has no comments to it.

Action:

- Ove will ask Jon-Egil if the code is OK and thereafter publish the updated code list (if ok).

The item is closed.

9.4 Status for new Nordic extended Schedule Outage Market Document

Review of the Nordic extended Schedule Outage Market Document to see if it should be published at www.ediel.org.

Postponed.

9.5 Shall we remove or update links to the ebIX® web site?

From Jarno (elisa.fi):

I was familiarizing myself with the Nordic Balance Settlement (NBS) and the upcoming DERI messages for aFRR imbalance correction. Many pages on ediel.org refer to <https://ebix.org>, but it seems Ebix has decided to close down in the end of 2023. Ediel.org does not have any information about the webmaster so I decided to reach out to you as a NMEG secretary asking whether the information and the links could be updated.

I am mainly referring to the links to Ebix.org on these pages:

- <https://ediel.org/nordic-balance-settlement-nbs/>
- <https://ediel.org/links/>

Response from Ove:

Thanks for commenting on this issue.

It is correct, as you say, that the ebIX[®] organisation closed down by the end of 2023. However, I believe that most of the documents published at the ebIX[®] web site still are valid.

It is also correct that there is no links to the web master. When ebIX[®] closed down it was agreed that the web site should be available for three more years, i.e. until the end of 2026, however without any maintenance.

As stated on the ebIX[®] web site, the work of ebIX[®] has been transferred to the DSO Entity and the Joint working group between the DSO Entity and ENTSO-E for further development and maintenance. This work is ongoing, and I believe that we can reference documents from the DSO Entity and the Joint working group between the DSO Entity and ENTSO-E in the not too far future.

But, when this is said, I will discuss with NMEG if we should remove or update some of the links or make a note similar to what stated above.

Postponed to next meeting in Helsinki.

10 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.

At this meeting we will discuss if we shall rewrite "NMEG 2022/205 Addition of a Category attribute to TimeSeries in IEC62325 and ESMP".

Status:

MR #	Content	Status
NMEG 2024/212	Add Related_Market Participant to Activation Market Document	20240205, 20240227, 20240506, 20240904, 20241007 and 20241023: <ul style="list-style-type: none"> Ongoing.
NMEG 2022/217	Addition of a Category attribute to TimeSeries in IEC62325 and ESMP	20241023: <ul style="list-style-type: none"> Approved. But implementation in CIM Market and ESMP to be followed up.
NMEG 2024/218	Update of Role Type descriptions in the ENTSO-E code list	20240904, 20241007 and 20241023: <ul style="list-style-type: none"> Reviewed by NMEG and agreed Ongoing
NMEG 2024/219	Add the Series class and the MktActivityRecord class to the Acknowledgement Market Document	20241007: <ul style="list-style-type: none"> Approved by NMEG and will be forwarded to ENTSO-E 20241023: <ul style="list-style-type: none"> Ongoing
NMEG 2024/220	Update of ENTSO-E EDI best practices document	20241007: <ul style="list-style-type: none"> Approved by NMEG and will be forwarded to ENTSO-E 20241023: <ul style="list-style-type: none"> Ongoing

MR #	Content	Status
NMEG 2024/222	Add the marketProductType to the Reserve Allocation Result Market Document and add market product type codes to the ENTSO-E code list	20241118: <ul style="list-style-type: none"> • Sent to Jon-Egil for forwarding to ESMP WG/CIM WG • We must inform Unicorn (Petr Hendrych) when approved
NMEG 2024/223	Add the new class CommunicationDetail to CIM_Market and ESMP	20241216: <ul style="list-style-type: none"> • First review by NMEG

The MR “NMEG 2024/223 Add the new class CommunicationDetail to CIM_Market and ESMP” was reviewed and a few comments were made. We will try to submit the MR early next year since similar concepts are expected to be discussed then.

Related to this topic, Jan informed of the latest draft CIM available (for IEC members) from last week at [CIM_Grid18v14 Enterprise14v04 Market04v17](#). In this version the compounds related to e-mail, street address etc. have been replaced with CIM classes.

Action:

- Ove will update MR 2024/223 and distribute it to NTC for commenting at the next NTC meeting January 8th, 2025.

11 Report from JWG, with a special focus on datahub topics (fixed item on the agenda)

Background: The Joint Working Group (JWG) is formed from experts being nominated by the DSO Entity and ENTSO-E. In addition to those experts, three different Task Forces (TFs) with nominated representatives from both organisations have been created with the aim of supporting the goals of the JWG. The main tasks of these TFs are:

TF1: “Monitoring Implementing Regulations (MIR)”

- Develop guidance to assist Member States in reporting national practices concerning access to metering data.
- Collect and monitor national practices on the implementation of the reference models for this access.

TF2: “Developing Implementing Regulations (DIR)”

- Contributing to developing future implementing acts: customer switching [change of supplier] and demand response.

TF3: “Data Interoperability Modelling (DIM)”

- Keep a repository (roles, use cases and information objects) and ensure consistency of the reference models in the Implementing Acts.
- Map the reference model to standard models and, when necessary, propose amendments, extensions, and profiles for these standard models.
- Interact and collaborate with standardization organizations.

References (links): [Call for members of the stakeholders’ panels for the JWG TFs](#)

What to decide,

discuss or inform: Status in the TFs.

Teemu informed from TF2:

- TF2 will continue to base the DER IR on the original scope for the DER project, i.e. there will be a lot of data (approximately 15 procedures – 10 times more than the change of supplier IR).
- It is expected a delivery in April and handover to the EC before summer.

Jan (SE) informed that there is a kick-off meeting in TF3 for making an IG based on the change of supplier IR.

12 Status for a NMEG Teams Team

Background: At the NMEG meeting October 22nd and 23rd it was agreed making a NMEG Teams Team that will replace the NMEG usage of Statnett's eRoom.

References (links):

What to decide,

discuss or inform: Status for a NMEG Teams Team.

Ove has created a Teams Team but has not invited members yet.

13 NMEG Technical Committee (NTC)

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) 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 Bent Atle, Christian, Henrik, Jan (DK), Jan (SE), Jon-Egil, Mario, Teemu H, Teemu K and Ove.

References (links):

What to decide,

discuss or inform: Status for looking into making CIM based document to replace the ebIX[®] XML documents used towards eSett today.

13.1 CIM model of the grid part of the Elhub Information Model (EIM)

Conclusion from NMEG meeting October 22nd and 23rd:

- Ove will ask Svein to join one of the coming NTC meeting(s) to review what we did.

13.2 Review of confirm, reject and notify change of supplier

The item was postponed.

13.3 Report from NTC meeting October 25th

Present: Christian, Jan (DK), Jan (SE), Mario, Ove and Teemu K.

As a start of the meeting, Jan (SE) showed how to add the MR "Addition of a category attribute (peak, valley...) to the EnergyMarket class in both CIM/Market and ESMP" to Redmine.

The main topic at the meeting was a review of the CIM documents in Ediel BRS for Change of supplier; Request change of supplier, Confirm and Reject change of supplier + Notify change of supplier to old Energy Supplier and Grid Access Provider.

Decisions:

- We will show both UN/CEFACT codes and ENTSO-E in the code list where applicable.

Jan (DK) explained that they are implementing a Serial Energy Supplier (SES), which is a supplier in addition to the normal Energy Supplier (ES). The SES has his own BRP, but he is not supplying to the “main AP”. This caused a discussion trying to map the SES to HEMRM, e.g. is the SES the same as a Flexibility Service Provider from the HEMRM?

Jan will give a presentation of the new roles at the next physical NEMG meeting in Helsinki.

To remember items:

- The associations end role names at the Name class are sometimes named “Names” and sometimes “Name” – we must verify the correctness of the model when we have a new version of CIMConteXtor.
- We should remove unused attributes from UsagePointLocation
- NTC will investigate the ENTSO-E network code extension to the CGMES model and try mapping the Elhub (and Danish, Finnish and Swedish if applicable) Information Model to CGMS. Questions will be raised to Svein when needed.

Action:

- Ove will move ChargeGroup and ChargeType from MktActivityRecord to MarketAgreement:
 - Charge group will be empty (no attribute)
 - ChargeType will have a type (code for Energy tax) and a new attribute “level” with codes for none, low, high (Finnish usage 0=No tax, 1=Electricity tax category 1, 2=Electricity tax category 2)

13.4 Report from NTC meeting October 31st

Present: Christian, Jan (DK), Jan (SE), Mario, Ove and Teemu K.

Also at this meeting the main topic was review of the CIM documents in Ediel BRS for Change of supplier; Request change of supplier, Confirm and Reject change of supplier + Notify change of supplier to old Energy Supplier and Grid Access Provider:

- Ove had as action moved the ChargeGroup and ChargeType from MktActivityRecord to MarketAgreement. Charge group is empty (no attribute) and ChargeType have a type (code for Energy tax to be added) and a new attribute “level” with codes for none, low, high (Finnish usage 0=No tax, 1=Electricity tax category 1, 2=Electricity tax category 2).
- A lot of the comments in the BRS were reviewed and a lot of changes (restructuring) were done, among others:
 - We will make our own simplified «Compounds» stored in the «CIMExtension» Package.
 - We will replace the ContactPoint with a new CIM class based on Communication Details from UN/CEFACT Core Component Library (CCL).

To remember items:

- The associations end role names at the Name class are sometimes named “Names” and sometimes “Name” – we must verify the correctness of the model when we have a new version of CIMConteXtor.
- We should remove unused attributes from UsagePointLocation
- NTC will investigate the ENTSO-E network code extension to the CGMES model and try mapping the Elhub (and Danish, Finnish and Swedish if applicable) Information Model to CGMS. Questions will be raised to Svein when needed.
- Remember to extend the Compounds when updating ESMP to a newer version.

Action:

- Ove will make our own simplified «Compounds» stored in the «CIMExtension» Package.
- Ove will make a proposal for replacing the ContactPoint with a new CIM class based on Communication. Details from CCL.

13.5 Report from NTC meeting November 19th

Present: Christian, Jan (DK), Jan (SE), Mario, Ove, Rasmus, Svein and Teemu K.

From Jan (SE):

In Sweden we want to send two time series regarding capacity reservations for mFRR the day before (“Day ahead”). They will be sent both to Nordic RCC and internally.

One timeseries would be the reservation for e.g. when a nuclear power plant shutdown (or similar worst cases). Another time series would be a sort of margin for more normal imbalances (anyhow, not small deviations, but not as big as the worst case).

Since the timeseries will be sent to Nordic RCC the intention is to be as close as possible to the Nordic RCC implementation guide; “IG-109 ARC for Ancillary Services Exchange”, amended then with two new business type codes. The document would then be Schedule_MarketDocument:

xmlns="urn:iec62325.351:tc57wg16:451-2:scheduledocument:5:2

MessageTypeCode: A01 = Balance responsible schedule (for some reason...).

ProcessTypeCode: A01 = Day ahead

BusinessTypeCode(s): See table below, we suggest adding two new Nordic codes for this (and currently not ask ENTSO-E about it).

My suggestion is that we first bring this to NTC, and if agreed already there, we might get two draft codes that we could use at Svenska kraftnät to make examples from. And then those codes could finally be agreed upon (or somewhat updated) December 16th.

ENTSO-E Code List change request			
Type of code	Code	Definition	Description
<i>businessType</i>	ZA3	Capacity reservation Reference Incident	Extraordinary mFRR allocation concerning Reference Incident.
<i>businessType</i>	ZA4	Capacity reservation Normal Imbalance	Extraordinary mFRR allocation concerning Normal Imbalance.

Conclusion:

- The codes **ZA3** and **ZA4** was reserved.

Action:

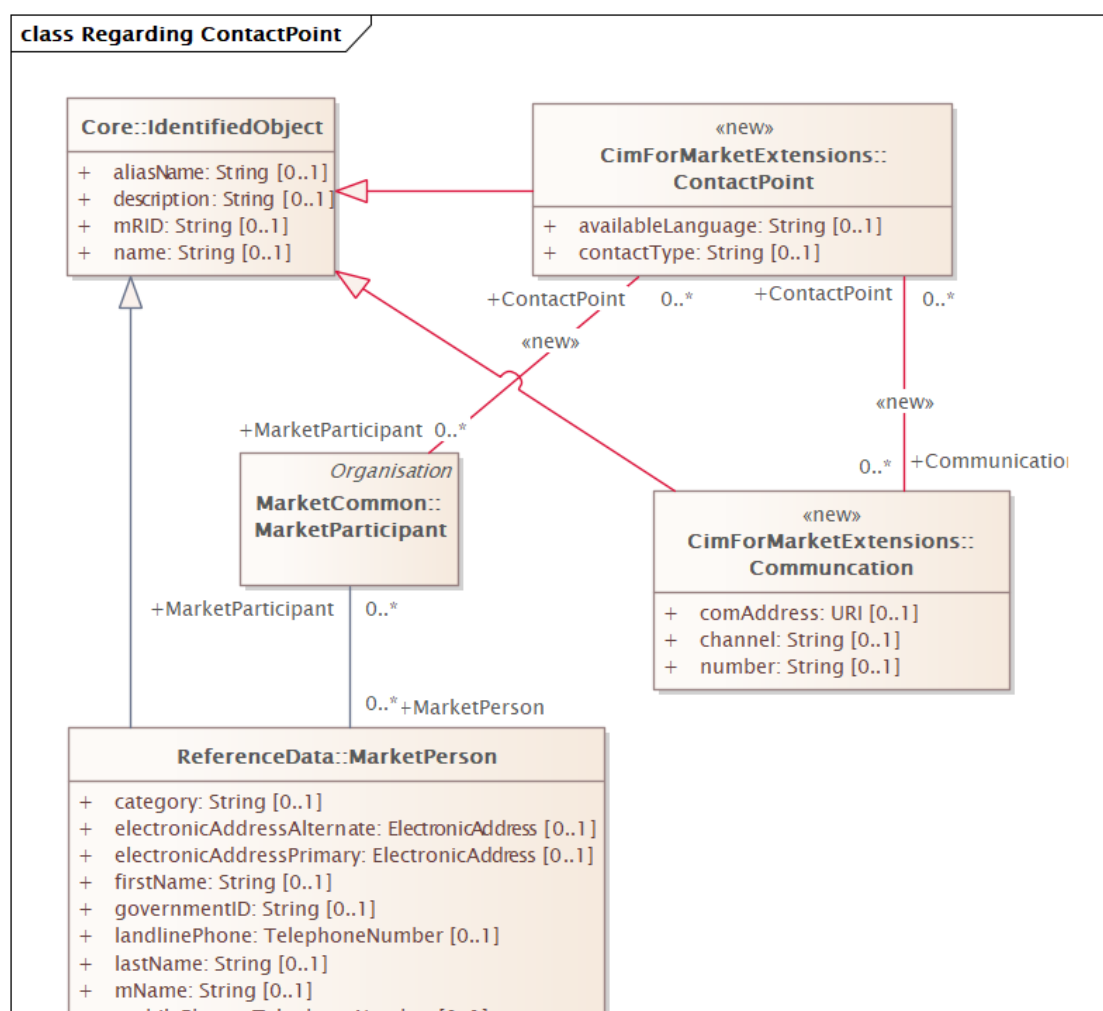
- Jan (SE) will investigate if there are some rules regarding when to use “Capacity reservation Reference Incident” and when to use “Capacity reservation Normal Imbalance” – and If we can skip mFRR from the definition to make the codes more generic.

Ove had as homework made “our own simplified «Compounds»” stored in the «CIMExtension» Package. But when looking into this, it doesn’t seem like a long-lasting solution to remove attributes from the ESMP «Compounds». I.e. if we really need to remove attributes from the ESMP «Compounds» we should send a MR for removing them or ask for a way of restricting the ABIEs that are using the «Compounds». However, Ove had made extensions to the ESMP «Compounds» in the NMEG «CIMExtension» package.

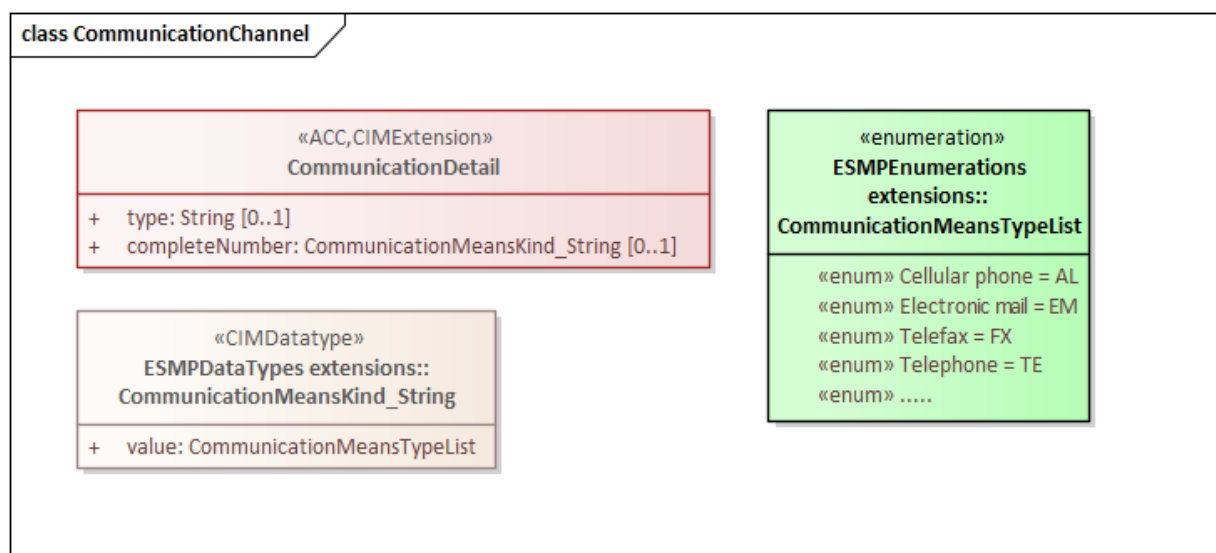
Action:

- Ove will verify the cardinality of the Nordic added attributes in the Compounds.

Jan (SE) presented a PP presentation related to the addition of a new class Contact point where the following classes and relationship were proposed:



Ove had also made a proposal for replacing the ContactPoint with a new CIM class based on Communication. Details from CCL (UN/CEACT Core Components Library):

**Conclusion:**

- We will use the simplest proposal, i.e. the one from Ove, for the time being.

Action:

- Ove will add the CommunicationDetail to the Request change of supplier model and make a MR to be discussed at next NMEG meeting.

Svein had made comments to the draft EIM Grid model NTC had drafted:

- Is isNonConcessionalGridArea the same as referenced by ClosedDistributionSystemOperator:
A system operator which distributes electricity (or gas) within a geographically confined industrial, commercial or shared services and does not supply household customers.
- We may be able to fix this for NC r2.4 and into CIM18.
- MeteringGridArea is basically given by SchedulingArea.isMeteringGridArea = true
- GridLossCharacteristics are relevant attributes that can be added to the SchedulingArea. Can you give me some more information on these. It is best to have reference to regulation.

From discussion:

- From Mario:

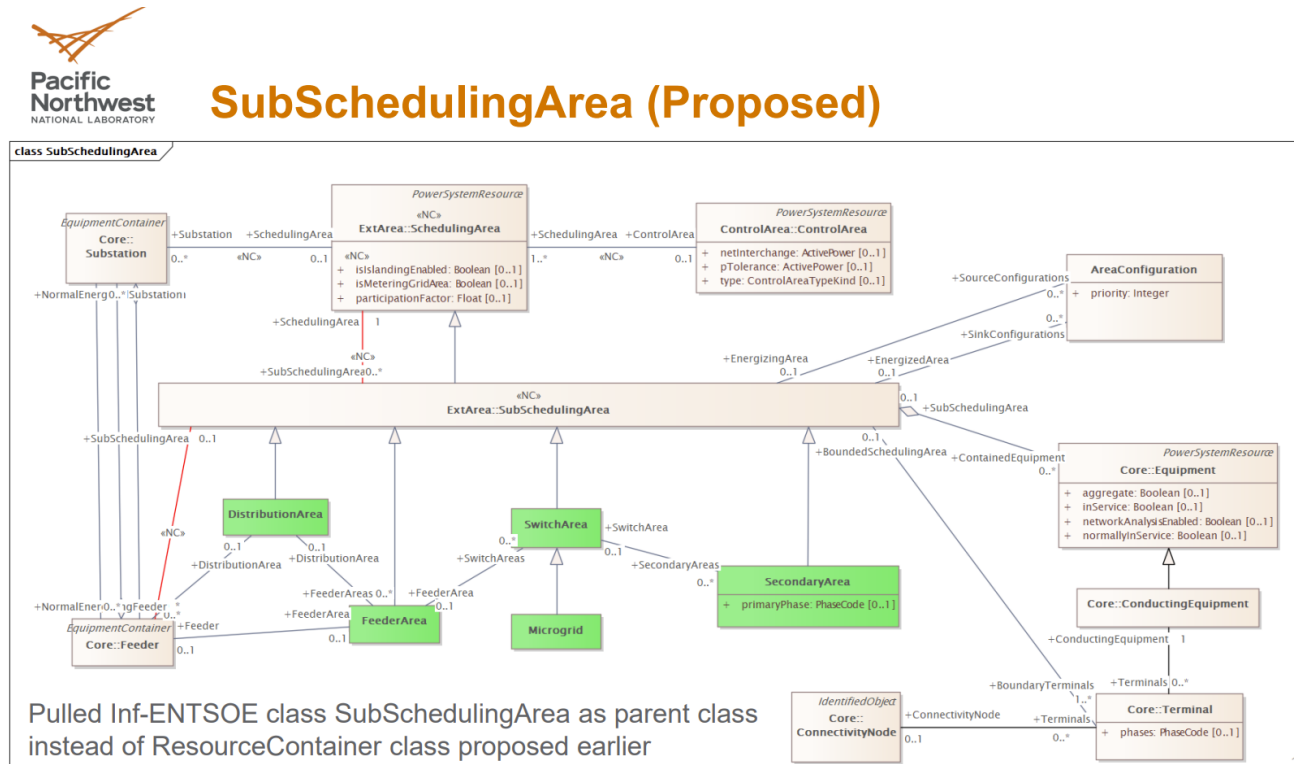
A [Sub-Grid Area](#) is a group of [Metering Points](#). A [Sub-Grid Area](#) is operated by a [Grid Owner](#), however it will be settled outside of [Elhub](#). The [Sub-Grid Area](#) is linked to one or more [Metering Points](#) in a hosting [MGA](#), and these [Metering Points](#) are settled as part of [Elhubs](#) allocation and reconciliation process. A [Metering Grid Area](#), on the other hand, is a physical area where consumption, production and exchange can be metered and settled. The [Metering Grid Area](#) is delimited by meters for periodic measurement of input to and withdrawal from the area.

The [Metering Grid Area](#) can be used to establish the sum of [profiled](#)-metered [Metering Points](#) and [grid loss](#).

The difference between a [Metering Point](#) and a [Sub-Grid Area](#) is that a [Sub-Grid Area](#) normally will be located in a small part of the [MGA](#), e.g. shopping malls, industry parks or microgrids. The purpose of a [Sub-Grid Area](#) is to divide the power "ownerships" within a location with several different "owners". For example; the BI-building is a [Sub-Grid Area](#), as

the power must be divided between the school, and all of the different companies renting an office space in the building.

- Rasmus informed that definition of Micro net can be found at: <https://da.wikipedia.org/wiki/Mikroelnet>
- Svein showed a draft figure related to WG14 Feeder discussions:



- The proposal is to map the Distribution Area to our “Metering Grid Area” and the Feeder to the “Sub Metering Grid Area”:
 - A TSO will be responsible for the Scheduling Area
 - A DSO will be responsible for the Distribution Area
 - A “Significant Grid User” will be responsible for the Feeder Area
- We need to discuss further how to map Market Evaluation Point/Accounting Point to Equipment/Terminal

Action:

- Mario will try to find some more information for the GridLossCharacteristics class, ref comment from Svein:
 - GridLossCharacteristics are relevant attributes that can be added to the SchedulingArea. Can you give me some more information on these. It is best to have reference to regulation.
- Svein will distribute the latest documentation related to this discussion to NTC before next meeting.

13.6 Report from NTC meeting November 28th

Present: Jan (DK), Jan (SE), Mario, Ove, Rasmus, Svein, Søren and Teemu K.

Mario had as action from previous meeting Investigated around the GridLossParameters:

I found out it is grid owner who sets them, and this is the BRS for it:

<https://dok.elhub.no/elhubstandard/brs-no-318-oppdatering-av-parametre-for-nettap>

BRS-NO-318 - Update of grid loss parameters:

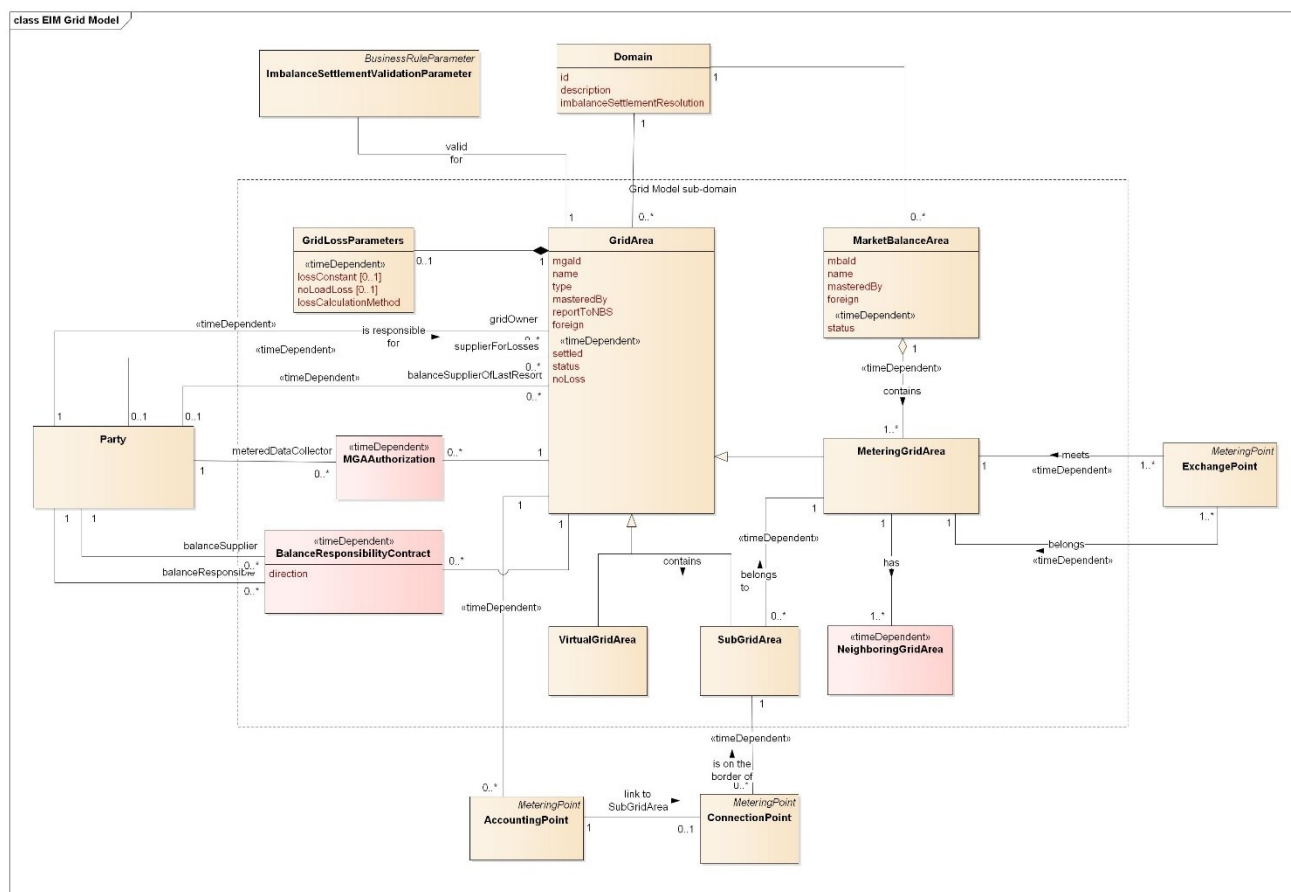
Overview This process is only accessible via the Elhub Actor Portal. The grid company initiates "Update of grid loss parameters" by updating ...

There are two different grid loss parameters the grid company can set:

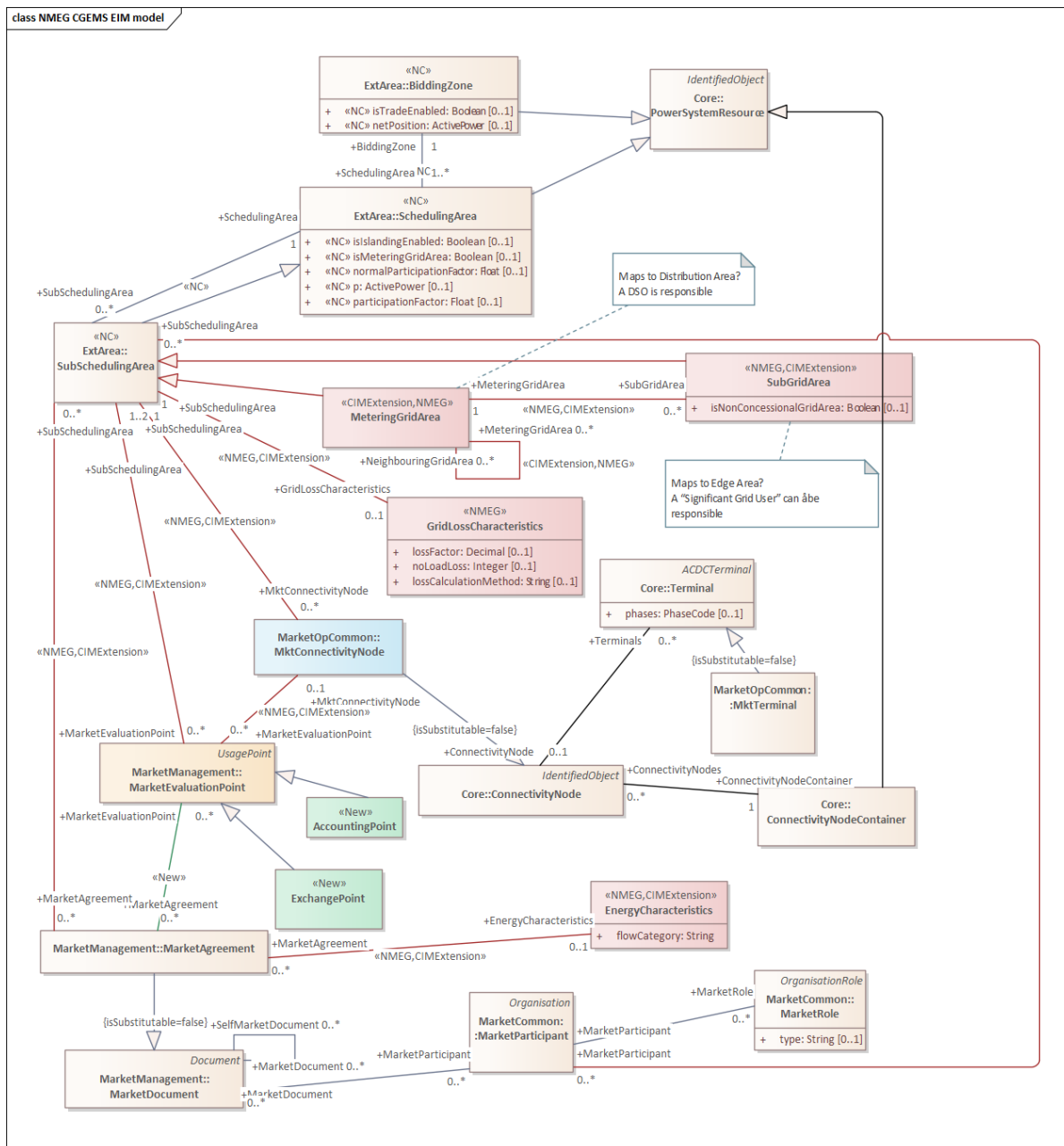
- Idling loss: This constant represents the idling loss in the grid due to energised components
- Loss constant: This parameter represents the loss as a proportion of the squared gross input

From related discussion:

- Svein suggested to replace the Feeder Area with Edge Scheduling Area.
- The association to it selves at the Metering Grid Area (MGA) is used to show linking of MGAs, i.e. for listing neighbouring grids. Hence the association to itself was changed to a many-to-many relation.
- The EnergyCharacteristics/flowCategory is used for production or consumption (or combined?).
- The basis for the discussion is the Elhub Information Model (EIM) for grid:



- Updated CGMES class diagram:



• Mario found the following description of Virtual Grid Area

A Virtual Grid Area groups Metering Points that are managed by the same Market Party (who sends its Master Data and Metering Values) but the Metering Points as such can be spread out all over Norway. So it is not a physical Grid Area represented by a geographical location as other Grid Areas. Only Metering Points with SettlementMethod equal to Not settled are allowed in the Virtual Grid Area. Metering Points in a Virtual Grid Area cannot be included in other Grid Areas at the same time. They are as normal only linked to one Grid Area at a time. Virtual Grid Areas will not be part of any Bulk update process.

Virtual Grid Area characteristics:

- Not related to a Market Balance Area
- Not related to any Grid Areas
- No related Exchange Point or Connection Points

- SettlementMethod is Not settled
- Not reported to NBS
- No Balance Supplier of Last Resort
- No losses and no Balance Supplier For Losses (Grid without loss)
- A Grid Owner is responsible for Virtual Grid Areas where they are the owner
- No Balance Responsibility Contracts allowed
- The Virtual Grid Areas will use another ID than EYC-I codes. ID format will be of 16 characters.

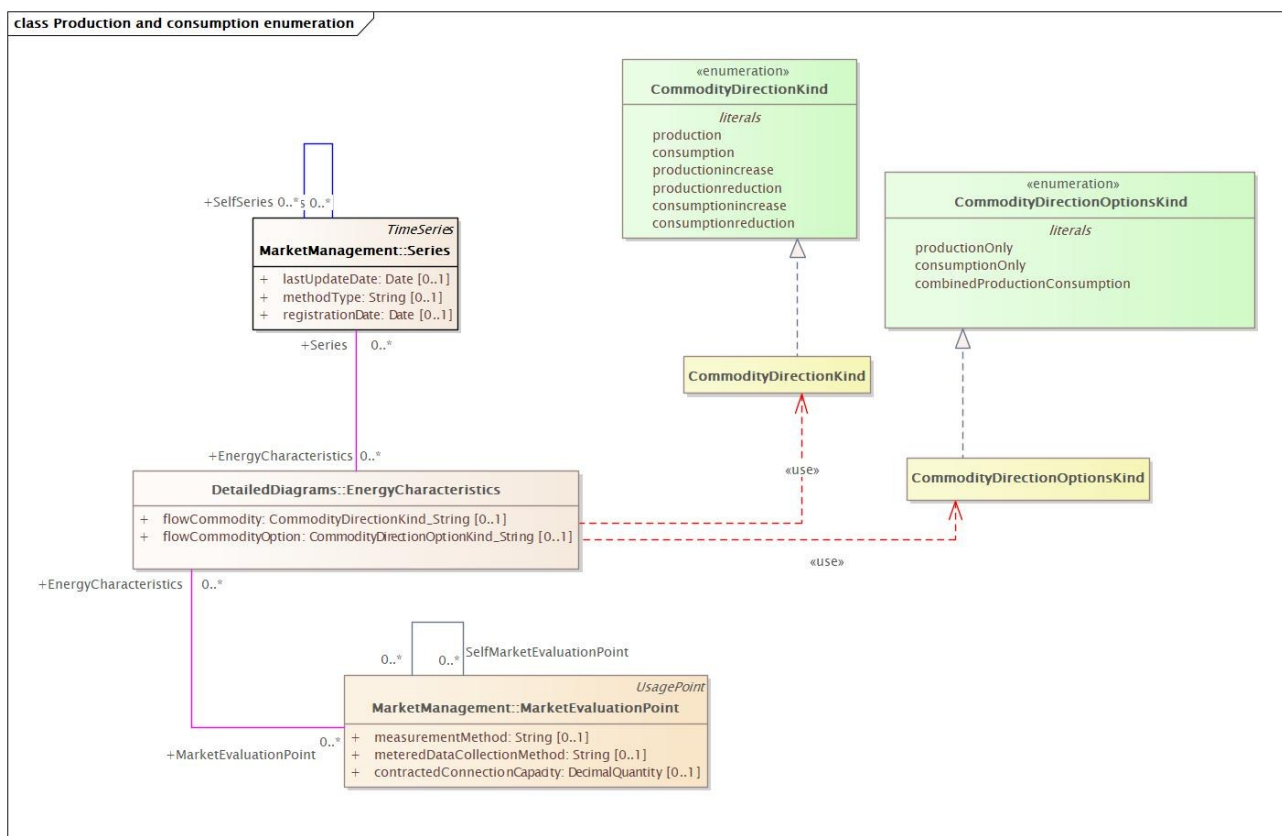
Actions:

- Svein will investigate if the grid loss parameters already are present in the CIM/Grid package
- If not, we will find a better description of how the grid loss attributes are calculated and used, and finally bring the topic to IEC, i.e. how the UseCase is used.

For next meeting:

- We will discuss (add) the attributes Elhub needs in the modelled classes.
- We will discuss further how to map Market Evaluation Point/Accounting Point to Equipment/Terminal.

Ove asked for the justification behind the following proposal (From ESMP SG meeting November 21st):

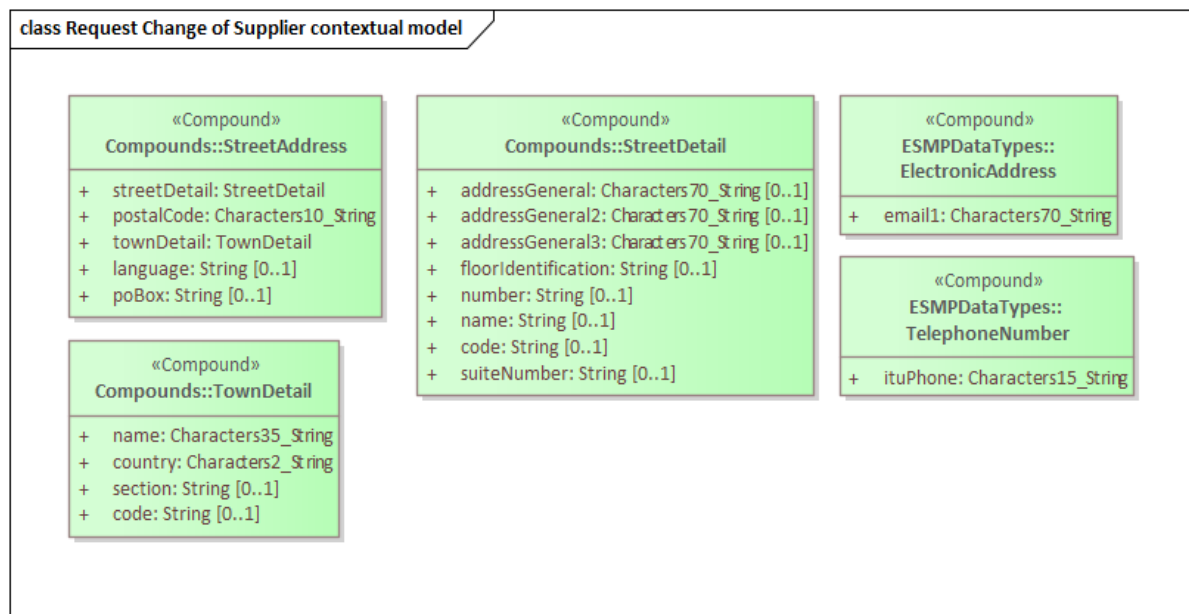


Some comments:

- Jan (SE) is not sure UTF16 will agree upon having those two attributes in this new class, some possible questions might be
 - a. why not put flowCommodity as an attribute into the Series class?

- and
- b. why not put flowCommodityOption as an attribute into the MarketEvaluationPoint?
 - c. What are the use cases behind the many-to-many associations with this new class? Why can't you have them in the two separate classes? Do you need to have both attributes both for TimeSeries and for master data?
- In ESMP we typically often have datatypes called ...Kind_String, e.g. "CommodityDirectionKind_String", using an enumeration called ...TypeList, e.g. "CommodityDirectionTypeList".
 - a. Here the attribute in basic CIM would not be a string, though you have it in your figure, the datatype would rather directly be "CommodityDirectionKind", that is at least what I will presume
 - b. I think our European codes still could be added to such enumerations, but I have not yet tested that, and: I think we will not be able to extend those codes nationally, if/when needed...

Ove had as action verified the cardinality of the Nordic added attributes in the Compounds:



From Mario:

When cleaning my lost of technological debt related to Sparx EA in Elhub, I also found out that, once upon the time, Elhub used some tools to generate CSV files from model with information for each class and its attributes (example in attachment) which we would then present in Confluence.

However, that tool is not properly working in some years now.

I am looking for possible solution to that problem with new version of Sparx EA.

During the meeting, the usage of the EA function Publish/CSV was tested, but it seems difficult to see the structure of the result, i.e. to differentiate between classes, attributes etc. Maybe the Publish/Report Builder function is an alternative?

The last half hour was used to update the Ediel BRS for change of supplier.

13.7 Report from NTC meeting December 11th

Present: Jan (DK), Jan (SE), Mario, Ove, Svein and Teemu K.

13.7.1 [Request for new Reason code for ASP trades between Energinet and Svenska Kraftnät](#)

See item “9.3.2 Request for new Reason code for ASP trades between Energinet and Svenska Kraftnät”.

The request was reviewed, however without any changed conclusions. The request is expected discussed further at the coming NMEG meeting December 16th.

13.7.2 [Elhub Information Model \(EIM\) for grid](#)

Svein had started on refining the EIM model from previous NTC meeting, however not yet finished.

Continued actions:

- Svein will investigate if the grid loss parameters already are present in the CIM/Grid package
- If not, we will find a better description of how the grid loss attributes are calculated and used, and finally bring the topic to IEC, i.e. how the UseCase is used.

For next meeting:

- We will discuss (add) the attributes Elhub needs in the modelled classes.
- We will discuss further how to map Market Evaluation Point/Accounting Point to Equipment/Terminal.

13.7.3 [Continued review of Ediel BRS for change of supplier](#)

All the comments to “Request change of supplier” were reviewed and finalised during the previous NTC meeting, except for a reviewed of cardinalities for classes and attributes. Hence, during this meeting the cardinalities until AccountingPoint/commercialClassification were discussed. Among others with the following comments:

- physicalReceiver_MarketParticipant.mRID/marketRole was removed from this document, because:
 - These attributes will not be used in Finland for documents received by the Finnish Datahub and
 - The ebIX® “Ancillary role”, which is used by Elhub, will be the physicalSender_MarketParticipant.mRID/ marketRole in Norway
- Similar, we will remove the physicalSender_MarketParticipant.mRID/marketRole from responding documents, such as Confirm- and reject change of supplier, but keep the physicalReceiver_MarketParticipant.mRID/marketRole.
- The attribute MktActivityRecord/reason will be removed from Request-, Confirm- and Reject change of supplier documents. Sweden seems to be the only possible user of this attribute, for the “sub-process type” used on payload level in today's EDIFACT documents, however, it is assumed that the processType in the root class can be used instead.

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 discussed.

15 Information (if any)

None.

16 Next meetings

NMEG:

- Tuesday January 28th and Wednesday January 29th at Fingrid's offices in Helsinki
 - Jan (DK) will present new roles they are implementing in Denmark, such a Serial Energy Supplier and Independent Aggregator.
- Tuesday February 25th, 2025, 10:00 – 13:00, Teams
- Wednesday March 19th and Wednesday March 20th at Nord RCC offices in Copenhagen Towers, Ørestads Blvd. 114, 2300 København

NTC:

- Wednesday January 8th, 2025, 13:00 – 15:00
- Tuesday January 21st, 2025, 13:30 – 15:30
- Friday February 7th, 2025, 09:30 – 11:30
- Thursday February 20th, 2025, 13:00 – 15:00

17 AOB

17.1 Shall we ask CIM WG to establish an ESMP change log and a status log for MRs

The item was postponed.

Appendix A Overview of Nordic memberships in international standardisation bodies

Name	Member of
Anne Stine	NMEG
Christian	NMEG
Edel (SE)	DIA, TF3
Fedder	NMEG, CIM WG, IEC/WG16, CSSG, EEAT, ENTSO-E CIM tools, CIO/LIO
Jan (DK)	DIA, NMEG, IEC/WG16, TF2, TF3, DSS/557
Jan (SE)	DIA, NMEG, IEC/WG16+14, ESMP, TK57, TF2, TF3
Jon-Egil	DIA, NMEG, CIM WG, IEC/WG16, ESMP, CCC, CIO/LIO, NK57, TPC, TF3
Mario (NO)	DIA, NMEG, NK57, TF2
Oscar	CIO/LIO, CIM WG, TK57
Ove	NMEG, IEC/WG16, NK57, (TF3)
Svein (NO)	IEC/WG14+13, CGMES
Teemu H (FI)	NMEG, CIM WG, CIO/LIO
Teemu K (FI)	DIA, NMEG, TF2

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
DIA	ENTSO-E WG Data Interoperability & Access
DS S-557	Danish national IEC committee
EEAT	ENTSO-E Enterprise Architecture Team (subgroup under Dc)
ESMP	European Style Market Profile (subgroup under CIM WG)
MC	ENTSO-E Market Committee
MIT	Market Integration and Transparency (subgroup under MC)
NK57	Norsk Elektroteknisk Komite (Norsk Komité 57)
NEX	Nordic ECP/EDX Group
TF2	JWG, Task Force for the Development of the Implementing Regulations foreseen in Article 24 of the Directive (EU) 2019/944 and Reference Models (DIR)
TF3	JWG, Task Force for Data Interoperability Modelling (DIM)
TK57	Teknisk Komité 57
TPC	Transparency Platform Coordinators (subgroup under MIT)