

Minutes: NMEG meeting Date: Wednesday May 7 th , 2025 Time: 10:00 – 12:30 Place: Teams	<div>NMEG</div> <div>Nordic Market Expert Group</div>
June 3 rd , 2025	

Present:

Jan (DK), Energinet
Jan (SE), Svenska kraftnät
Jon-Egil, Statnett (convenor)
Ove, Edisys (secretary)
Teemu H, Fingrid
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

The agenda was approved with the following additions:

- How to add Production/Consumption to the Activation Document? See item 8.3
- What to do with the Nordic BRS for Change of supplier? See item 9.4

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.

Jon-Egil informed that the project goes very well. ECP 4+ is currently being developed in ENTSO-E. Expected approved by the end of the year.

The current version (Go MADES) is used at Energinet.

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.

Noting new – still ongoing.

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

The report is handed over to NIT, who will find out when and how to set up the new system. We will follow the item in later NMEG meetings.

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 a task where the actual work is done in NEX and where Jon-Egil is the NMEG representative.

The future requirements are expected finalise in a weeks' time.

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 BRSS, MRs for CIM and/or ESMP, etc. All based on Nordic RCC needs.

6.1 Status for missing Reason Type Code for availability plans for Nordic RCC

Continued action:

- Rasmus will make a draft MR to ENTSO-E (Ove has sent an example MR as a template to Rasmus).
- The MR will be discussed at a coming NTC meeting, when an MR is available.

Continued action:

- Jan (DK) is asked to find a status for the action item above.

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 Status for publication of BRS for Nordic scheduling system

Ove had as action cleaned up the BRS for Nordic scheduling system, however still with some questions that were resolved during the meeting.

Action:

- Ove will send the BRS for Nordic scheduling system on circulation for comments to NMEG for one week and thereafter publish it.

Item closed.

7.1.2 BRS for Nordic trading system

The review of the BRS was postponed until next meeting.

Continued action:

- Ove will continue the update of the parts of the BRS for Nordic trading system that are agreed by NMEG.

7.2 *Status for addition of marketProductType and two new Market Product Type codes to Reserve Allocation Result Market Document, ref. MR NMEG/2024-222.*

To remember item:

- We will await update of the BRS for Trade until version 6.5 of the Reserve Allocation Result Market Document is published by ENTSO-E.
- The unofficial version will be published at the NMEG webpage with a disclaimer saying that this version of the document is approved by CIM WG but not yet official published by ENTSO-E.

7.3 *Status for addition of new “Reserve requirements” exchange for NBM*

Action:

- Jon-Egil will distribute the requirements when agreed by NBM - the item will be further discussed at our next NMEG meeting in Oslo.

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.

Further, eSett is working on the migration of all exchanges to CIM based documents, however there's a lot to take in and it's not urgent from eSett perspective, the migration is expected to be something like:

- 1) eSett wait until NMEG has finalised some batch of CIM documents.
- 2) eSett confirm that they work for our purposes.
- 3) eSett and TSOs (eSett's SLA group) evaluate together when could be the suitable time to start the implementation in eSett. E.g. is it better timing to start in Q3-Q4 this year or postpone it to 2026. This is heavily dependent on other upcoming market changes.
- 4) eSett start to migrate the new CIM documents.
- 5) Once the new CIM documents have been implemented successfully in eSett, there is a minimum of 2-year transition period where we support both current non-CIM and the CIM documents in parallel to give market participants sufficient time to adapt to the change.

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

What to decide,

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

8.1 *Status for implementation of tool(s) that can be used for statistics ediel.org*

Continued action:

- Teemu H will try implementing one or more free tool(s) that can be used for statistics.

8.2 *CIM for NBS*

Ove has as homework:

- Updated the NMEG MR 2024/216 by adding an AccountingPoint class with the sole attribute settlementMethod after agreement by ESMP SG. The MR is expected to be finally approved by CIM WG at their meeting in June.
- Made an MR for addition of a settlementAmount to the ERRP Reserve Allocation Result Market Document - NMEG/2025-225. The MR was agreed in ESMP SG April 24th. However, we will rename Settlement to Financial.
- Made an MR for addition of two ObjectType classes (MGA_ObjectType and Area_ObjectType) and one association from Domain to each in ESMP and to the Area Configuration Document NMEG/2024-224.
- Ove had cleaned up the memo and forwarded it to Tuomas P and Minnakaisa (CC) at eSett. In the related mail Ove had:
 - Asked if direction still is needed on interval level in the Publication Document or if it is OK to use the Balancing Document instead.

Status:

- Tuomas P informs the direction attribute is needed, hence in the latest CIM for NBS memo the Publication Document is replaced by the Balancing Document.
- Asked if eSett has any plans, schedule or similar for when to start the migration to CIM, with the following answer:
 - There's no exact plan, but since we have no apparent reason to hurry with this, in my mind the process would be something like this:
 - 1) We wait until you (NMEG) have finalized some batch of CIM documents.
 - 2) We confirm that they work for our purposes.
 - 3) eSett and TSOs (eSett's SLA group) evaluate together when could be the suitable time to start the implementation in eSett. E.g. is it better timing to start in Q3-Q4 this year or postpone it to 2026. This is heavily dependent on other upcoming market changes.
 - 4) We start to migrate the new CIM documents.
 - 5) Once the new CIM documents have been implemented successfully in eSett, we have a minimum of 2-year transition period where we support both current non-CIM and the CIM documents in parallel to give market participants sufficient time to adapt to the change.

New info from Tuomas P April 29th:

"We are working on the "CIM for NBS" topic internally, but there's a lot to take in and it's not urgent from our perspective."

Ove had as homework updated the memo CIM for NBS. The update includes addition of the IEC/CIM Area Configuration Document and verification that the non-CIM Area Configuration Document present in NBS BRS for Master Data will fit, addition of the Ediel Request Trade Structure Document and starting on the addition of mapping tables.

The memo “CIM for NBS” was reviewed and all comments were resolved.

- We need a MR for addition of a SettlementMethodKind, e.g.:

Action:

- Ove will make a MRs for:
 - a) Addition of SettlementMethodKind to the ENTSO-E code list, i.e.
 - E01** Profiled
 - E02** Non-profiled
 - E15** Non-profiled with special rules (Flex settled)
 - b) Addition of a new quality code for “**Ann** Temporary, the value will be updated”

The following Swedish text may be used in the MR:

Regarding Temporary we have stated the following in the current Swedish Ediel user guide: Status 21, “Temporary”, is only used for high-resolution values in the daily imbalance settlement or for aggregated high-resolution values in the daily imbalance settlement. Values with this status will always be replaced. For single high-resolution values the following rules apply:

The status “Temporary” is used for uncertain and/or estimated high-resolution values that will be reported again after collection of values. The value is preliminary and should always be updated and be reported with better status when the metered values has been collected or established. This is done at the latest day 12 after the measurement day according to the regulation. I.e., the status is only used in the period day 1–12 after the measurement day if the metered value was missing and was replaced with the value from either a submeter or an estimated value. A high-resolution value first reported with status “Temporary”, but not updated within the 12th day after the measurement day, will not then automatically get the status “Estimated”, it must first be replaced before it is sent with better status.

- c) Addition of a new CodingSchemeTypeList code for **ISO**, e.g. used for “ISO 3166 *English country names and code elements*”.
- Ove will continue making mapping tables for the new CIM documents in the memo CIM for NBS.

8.3 How to add Production/Consumption to the Activation Document?

From Tuomas P:

At eSett we could use the help of NMEG in evaluation of potential solutions to a scenario which we have realized recently.

Background

Fingrid is allowing Regulation Objects (resource groups used for balancing) to be formed from both production and consumption resources in certain scenarios.

Once the new independent aggregator model will be used, and the relatively new *Ediel Activation Document* shall be used more, we realized that there could be a conflict with our settlement model.

The use of balancing services will be corrected for the Balance Responsible Parties (BRPs) of the balancing resources, so that it won't cause imbalance (and thus costs/profit) for them.

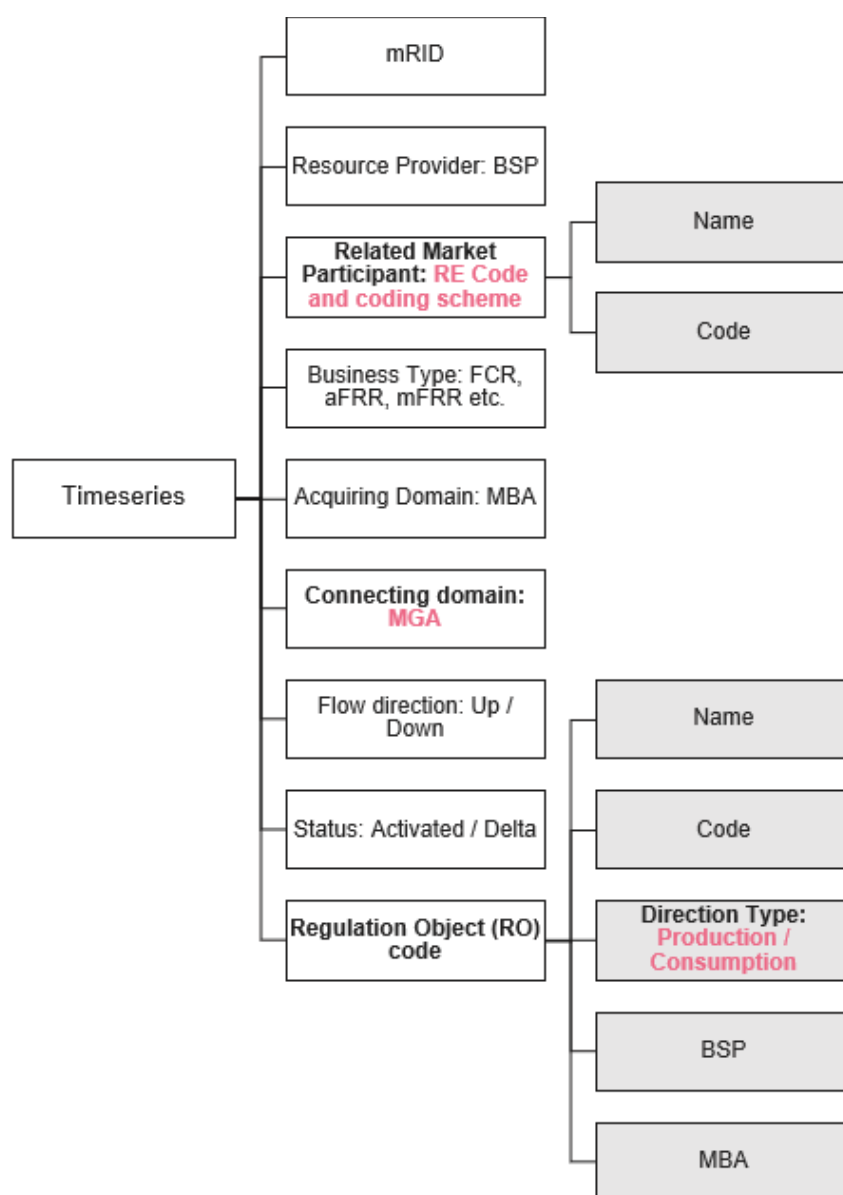
In the example below, in the middle there is a rough example of timeseries attributes from the *Ediel Activation Document*. On the right side some linked information for the attributes in our system.

On our system we have the known relations between BRPs and REs so that we can identify the correct BRP's from the data from timeseries when combined with information we have regarding the regulation object (RO).

Retailer Balance Responsibility is unique combination of attributes:

BRP for: RE - MGA - Imbalance Type (Production / Consumption)

➔ RE, MGA and Imbalance Type are in the timeseries or in the underlying structure data, so BRP can be known.



The problem

In a scenario where...

1. Regulation Object is formed of both Production/Consumption (i.e. mixed or combined), and
 2. RE has different BRP1 for production and BRP2 for consumption on an MGA
- We can't anymore identify if the timeseries concerns BRP1 or BRP2.

The task

We have been given a task to look into a possibility of including the type: consumption/production into the timeseries level of *Ediel Activation Document*. So that the Regulation Objects could use correctly some new combined type.

I would like to get your opinion on how to handle this. We have identified some possibilities.

Option 1: Changing the purpose of *Business Type*

Now the mandatory attribute is used to represent the balancing service type in a higher level. It is however not mandatory information, as we need and use the *Reason Code* which gives the more accurate balancing service type.

It could be changed, and we could request that there is BusinessType "A01 Production" or "A04 Consumption" instead.

The document is not yet used in NBS and not widely implemented, so changing this would be inconvenient, but possible.

Option 2: Using a new optional [0..1] attribute

Another solution could be to introduce a new attribute for the document. That attribute could then indicate either for all, or only for necessary cases, whether the timeseries is related to consumption or production.

This would however seem to be a one step further away from the standard document.

Let me know if you need some additional details. I'll be out of office most days until 9th of May, but I can get back to you after that.

From discussion:

- The best solution seems to be adding the flowCommodityOption attribute (enumeration), which can have the enumeration literals "production", "consumption" or "combined".
 - a) This will be implemented as an association to the AccountingPoint class using only the flowCommodityOption attribute (without using the mRID attribute).

Action:

- Ove will inform Tuomas P that NMEG suggest adding the flowCommodityOption attribute (enumeration), which can have the enumeration literals "production", "consumption" or "combined". This will be implemented as an association to the AccountingPoint class using only the flowCommodityOption attribute (without using the mRID attribute).

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".

No response yet – to be continued.

Continued action:

- Ove will add IEC/CIM Area Configuration Document, incl. verification that the non-CIM Area Configuration Document present in NBS BRS for Master Data will fit.
- Ove will add the Ediel Request Trade Structure Document.

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

Continued action:

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

9.3 Update of NMEG code list (if applicable)

The following Business Type codes was published November 19th, 2024, as reserved – and the following related homework:

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.

Can we approve them?

ZA3	Reserved by Svenska kraftnät/ Nordic RCC: Capacity reservation Reference Incident	Extraordinary mFRR allocation concerning Reference Incident.
ZA4	Reserved by Svenska kraftnät/ Nordic RCC: Capacity reservation Normal Imbalance	Extraordinary mFRR allocation concerning Normal Imbalance.

Conclusion:

- Approved!

The following Reason Type codes was published April 1st, 2025, as reserved –Can we approve it?

ZA5	Additional/detailed Resource Id	Used when high granularity is needed in special occasions.
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Conclusion:

- Approved!

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.)

Conclusion:

- Deprecated!

9.4 What to do with the Nordic BRS for Change of supplier?

NTC has almost finished the BRS for Change of supplier – what is next step?

- Should we make a dependency table showing how to implement the documents in each Nordic country?
- Shall we publish it at the www.ediel.org?

Postponed to next meeting in Oslo.

10 Status for MRs to ENTSO-E

Background: NMEG regularly sends Maintenance Requests (MR) to ENTSO-E.

References (links): The MRs can be downloaded from our NMEG Teams Team.

What to decide,

discuss or inform: Review and update of statuses for the NMEG MRs

Status:

MR #	Content	Status
NMEG/2024-212	Add Related_Market Participant to Activation Market Document	<p>20240205, 20240227, 20240506, 20240904, 20241007, 20241023, 20250128 and 20250225:</p> <ul style="list-style-type: none"> • Jon-Egil will try finding a status. <p>20250320:</p> <ul style="list-style-type: none"> • Jon-Egil submitted the MR to Bhagyashree February 26th • Ove will remind Bhagyashree <p>20250326:</p> <ul style="list-style-type: none"> • Re-submitted to Bhagyashree by Ove <p>20250407:</p> <ul style="list-style-type: none"> • On the CIM WG agenda for Rome meeting April 9th and 10th - Add Related_MarketParticipant to Activation Market Document <p>20250409:</p> <ul style="list-style-type: none"> • Approved by CIM WG <p>20250507:</p> <ul style="list-style-type: none"> • Item closed
NMEG/2024-215	Addition of association Related_MarketParticipant from the TimeSeries class	<p>20250424:</p> <ul style="list-style-type: none"> • Agreed by ESMP SG

MR #	Content	Status
	to the MarketParticipant class in the Activation Market Document	
NMEG/2024-216	Add settlementMethod, MktPSRType, Reason and flowCommodityOption + change cardinality of Market Participant	<p>20250424:</p> <ul style="list-style-type: none"> Agreed by ESMP SG
NMEG/2024-217	Addition of a Category attribute to EnergyMarket class in IEC/Market and ESMP	<p>20241023:</p> <ul style="list-style-type: none"> Approved in CIM WG. <p>20250128</p> <ul style="list-style-type: none"> The MR is added to Redmine issue 7035. Jan (SE) will follow up. <p>20250225:</p> <ul style="list-style-type: none"> TF16 suggest adding the Category attribute to TimeSeries instead of EnergyMarket (as originally proposed in NMEG MR 2022/205), which also is OK for NMEG. Jan (SE) will follow up. <i>The suggested solution is to first add the category attribute to the TimeSeries classes in IEC 62325-301 and in IEC 62325-351 (ESMP).</i> <p>20250320:</p> <ul style="list-style-type: none"> We will resubmit the MR adding the Category attribute to TimeSeries instead of to the EnergyMarket class, however after having discussed the new proposal with Svein in an NTC. If still agreed after verification by Svein, the MR will be resubmitted to ESMP SG and thereafter to WG16. Ove will update the MR. <p>20250402 (NTC):</p> <ul style="list-style-type: none"> We will suggest rephrasing the descriptions (notes) of the enumeration CategoryTypeList to remove references to auctions. Svein also suggest to extend the code list with SuperPeak, MidPeak, Valley, DeepValley. However, these will not be used in market exchanges in the near future, hence not added to our MR. See also https://energy.referencedata.eu/ <p>Action:</p> <ul style="list-style-type: none"> Ove will update the MR by changing EnergyMarket to TimeSeries and suggest

MR #	Content	Status
		<p>removing references to “auction” in the definitions of the CategoryTypeList.</p> <p>20250403:</p> <ul style="list-style-type: none"> Submitted to BW for re-review by ESMP SG, UCA TF 16 and finally CIM WG. <p>20250424:</p> <ul style="list-style-type: none"> Agreed by ESMP SG - Jan will resubmit to TF16 Redmine 7035
NMEG/2024-218	Update of Role Type descriptions in the ENTSO-E code list	<p>20240904, 20241007 and 20241023:</p> <ul style="list-style-type: none"> Reviewed by NMEG and agreed. <p>20250128:</p> <ul style="list-style-type: none"> Jan (SE) submitted the MR to ENTSO-E September 4th, 2024. <p>20250225 and 20250320:</p> <ul style="list-style-type: none"> The MR is still discussed (ongoing) - Jan (SE) will follow up. <p>20250320:</p> <ul style="list-style-type: none"> Ove will send a reminder to Bhagyashree for bringing the MR to next ESMP SG meeting. <p>20250327:</p> <ul style="list-style-type: none"> On the ESMP SG meeting agenda for March 27th. The MR was part of the list of meeting documents, but not mentioned in the agenda nor in the minutes – maybe forgotten? <p>20250507:</p> <ul style="list-style-type: none"> Shall we send a reminder to BW? <i>Ove will send a reminder</i>
NMEG/2024-219	Add the Series class and the MktActivityRecord class to the Acknowledgement Market Document	<p>20241007 and 20241023:</p> <ul style="list-style-type: none"> Approved by NMEG and will be forwarded to ENTSO-E. <p>20250128:</p> <ul style="list-style-type: none"> Jon-Egil will forward the MR to ENTSO-E. <p>20250225:</p> <ul style="list-style-type: none"> Jon-Egil has forwarded the MR to ENTSO-E. <p>20250320:</p> <ul style="list-style-type: none"> Ongoing. <p>20250407:</p> <p>On the CIM WG agenda for Athens meeting April 9th and 10th -</p> <ul style="list-style-type: none"> Update of Acknowledgement document <p>20250409:</p> <ul style="list-style-type: none"> Agreed by CIM WG

MR #	Content	Status
		<ul style="list-style-type: none"> Item closed
NMEG/2024-220	Update of ENTSO-E EDI best practices document	<p>20241007:</p> <ul style="list-style-type: none"> Approved by NMEG and will be forwarded to ENTSO-E. <p>20241023, 20250128, 20250225, 20250320 and 20250507:</p> <ul style="list-style-type: none"> Ongoing, i.e. being discussed withing CIM WG.
NMEG/2024-223	Add the new class CommunicationDetail to CIM_Market and ESMP	<p>20241216:</p> <ul style="list-style-type: none"> First review by NMEG To be submitted to ENTSO-E/IEC early 2025 <p>20250108:</p> <ul style="list-style-type: none"> Reviewed by NTC and agreed. The MR was sent to Jon-Egil for submission to ENTSO-E/IEC. <p>20250114:</p> <ul style="list-style-type: none"> Reviewed and approved by ENTSO-E ESMP SG <p>20250128:</p> <ul style="list-style-type: none"> Was brought up at the CIM WG meeting January 23rd. If approved the MR will be sent to IEC WG13/WG14/WG16 as a discussion basis. <p>20250225:</p> <ul style="list-style-type: none"> Approved in CIM WG Jan (SE) will add the issue to Redmine when asked to – to be continued. <p>20250320:</p> <ul style="list-style-type: none"> Jan (SE) submitted the MR to Redmine and will bring it up in WG16. <p>20250507:</p> <ul style="list-style-type: none"> No news
NMEG/2025-224	Add ObjectType to Area Configuration Document in ESMP	<p>20250403:</p> <ul style="list-style-type: none"> Submitted to BW for approval by ESMP SG and CIM WG. <p>20250424:</p> <ul style="list-style-type: none"> Agreed in ESMP SG Ove has renamed MeteringGridAreaKind_String to AreaSubKind_String
NMEG/2025-225	Add SettlementAmount to ERRP Reserve Allocation Result in ESMP 20250402	<p>20250403:</p> <ul style="list-style-type: none"> Submitted to BW for approval by ESMP SG and CIM WG.

MR #	Content	Status
		20250424: <ul style="list-style-type: none"> Agreed in ESMP SG Ove has renamed SettlementAmount_Price to Financial_Price
NMEG/2025-226	Add ObjectType to the MarketParticipant class in ESMP	20250403: <ul style="list-style-type: none"> Submitted to BW for approval by ESMP SG and CIM WG. 20250424: <ul style="list-style-type: none"> Agreed in ESMP PG

11 Status for publication of ESMP v5 and establishing a status log for MRs to ENTSO-E

The item was postponed.

12 Status and update of www.ediel.org if needed

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

Ove had as action investigated ebIX® related text at Ediel.org and suggest removal of the following:

1) <https://ediel.org/purpose/>:

NMEG actively discusses and promotes positions, with a common Nordic voice, participating in relevant European and worldwide organisations for data exchange standardisation, such as ~~ebIX®~~, ENTSO-E and IEC.

NMEG discuss common Nordic positions related to items on the agendas of relevant European and worldwide organisations for data exchange standardisation, such as ~~ebIX®~~, ENTSO-E and IEC, preferably as electronic meetings.

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

The focus of the BRSs for the Nordic Balancing System is the business aspects of the document exchanges. The basis for the documents are the ENTSO-E and **ebIX®** Implementation Guides and BRSs, and the Harmonised Electricity Market Role Model ~~maintained by ENTSO-E and EU DSO Entity from ENTSO-E, ebIX® and EFET~~. These documents are published at the ~~ebIX® and~~ ENTSO-E web sites.

About the User Guides for XML documents:

~~The User Guides for XML documents for Nordic Balance Settlement are detailed User Guides for the ENTSO-E, ebIX® and Nordic XML documents used in the Nordic Balancing System. The focus of the documents are the technical aspects of the documents to be exchanged. More information regarding Nordic Balance Settlement can be found at www.eSett.com.~~

3) <https://ediel.org/common-ediel-documents/>:

This page contains common Nordic documents related to data exchange in the Nordic energy market, such as Business Requirements Specifications (BRS) and XML schemas. The documents are mainly based on international standards from [ebIX](#), [ENTSO-E](#) and [IEC](#).

Conclusions:

- Ove will update according to proposal above
- Ove will add a link to the ENTSO-E EDI pages

Item closed.

13 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):

What to decide,

discuss or inform: Status in the TFs.

Nothing new.

14 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 February 2025):

- Review of needed MRs in Appendix A and (at least) submit MRs that are needed for more than one country.
- Finalise BRS for change of supplier, i.e. addition of new document for “End of supply”
- Start on new BRS for exchange of Accounting Point characteristics
- Continue CIM model of the grid part of the Elhub Information Model (EIM)

The members of NMEG CIM-XML Subgroup are Bent Atle, Christian, Jan (DK), Jan (SE), Jon-Egil, Mario, Rasmus, Svein, Teemu H, Teemu K and Ove.

References (links):

What to decide,

discuss or inform: Status for replacing older ebIX® and ENTSO-E xml documents by CIM based documents.

14.1 Report from NTC meeting Monday March 24th, 2025

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

The first part of the meeting was dedicated a review of the latest model from Svein. Svein would like to get our feedback before he presents it for ENTSO-E and UCA. See the updated diagram in the end of embedded document:



Elhub2COM.docx

It is only the loss description that is missing. When that is done, Svein will create the mapping.

From discussion:

In Norway and Sweden there can only be one Customer at an AccountingPoint, in Denmark there may be one or two Customers, while in Finland there is no upper limit of number of Customers.

We need mapping between the Market package and the Enterprise package, such as:

- a. GridOperator -> GridAccessProvider (from Harmonised Electricity Markt Role Model (HEMRM))
- b. ServiceProvider -> Energy Service Company (ESCO from HEMRM)
- c. Customer -> MarketParticipant
- d. CustomerAgreement -> MarketAgreement
- e. Agent and AgentRole -> MarketParticipant and MarketRole

Also the [Redmine issue 7035](#) was reviewed:

- f. This is a MR requesting addition of the category attribute to the TimeSeries class and addition of the new category enumeration with the two codes Valley and Peak.
- g. Similar codes are already used in other places in CIM, such as:
 - i. in the new network code proposal in the Enterprise package («NC») offPeak and onPeak are used (“offPeak” is synonym to “valley” and onPeak is synonym to “peak”)
 - ii. offPeak and onPeak are also used in the US part of the Market package (MarketOperations/ ReferenceData/ PnodeDistributionFactor)

Thereafter a draft presentation for the UCA TF16 modeling team meeting this Thursday from Jan (SE) was reviewed and slightly updated. The presentation contains most of the Redmine issues added from ebIX® and or ENTSO-E the last years. Jan (SE) plan to submit the presentation to the WG16 modeling team on Tuesday.

New action:

- Ove will update (simplify) [Redmine issue 7035](#) (Add the category attribute to TimeSeries, i.e. “Peak” and “Off peak”)

Status:

- 20250403: Submitted to BW for re-review by ESMP SG, UCA TF 16 and finally CIM WG.
- 20250424: Agreed by ESP SG - Jan will resubmit to TF16 Redmine 7035

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.
- Mario will investigate if there is a need for Customer information, which means Name, Id and/or communication details, in the Accounting Point Characteristics Market Document
- Ove will make MRs based on appendix B1 to B11. B4 until B9, addition of new attributes to the MarketAgreement class, will be merged into one MR.

For later meeting(s):

- 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.
- Continue review of appendix B (MRs based on BRS for Change of Supplier), starting from Appendix B12.
- Start review of the new BRS for exchange of Accounting Point characteristics.

14.2 Report from NTC meeting Monday April 2nd, 2025

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

The two new MRs were reviewed, and a few updates were done:

- NMEG MR 2025-224 - Add 2024-224 Add ObjectType to Area Configuration Document in ESMP
- NMEG MR 2025-225 - Add settlementAmount to ERRP Reserve Allocation Result in ESMP:

Thereafter the review of appendix B continued, i.e. appendix B12 to B16 were reviewed.

We also had a discussion with Svein related to MR NMEG/2024-217, Addition of a Category attribute to EnergyMarket class in IEC/Market and ESMP. We will suggest rephrasing the descriptions (notes) of the enumeration CategoryTypeList, i.e. to remove references to auctions.

Svein also suggest extending the code list with SuperPeak, MidPeak, Valley and DeepValley. However, these codes will not be used in market exchanges in the near future, hence not added to our MR. See also <https://energy.referencedata.eu/>

Finally, Svein presented some initial items for loss representation, however yet not presented to CIM community.

New actions:

- Ove will submit NMEG MR 2025-224 and NMEG MR 2025-225 to BW (for review by ESMP SG and CIM WG)

Status:

- 20250424: both MRs agreed by ESP SG
- Ove will give priority to the MR from appendix B16 (Add an association from the MarketParticipant class to the ObjectType class) and submit it together with MR 2025-224. MR will be submitted, incl. a code list CustomerKind_String:
 - **Z01** Normal household customer
 - **Z02** Deceased household customer

- **Z03** Normal company customer
- **Z04** Estate company customer

Status:

- 20250424: MR agreed by ESP SG
- Ove will verify why we cannot find the ChargeGroup and related attributes in the attribute table in Request Change of Supplier document.

Continued actions:

- Svein will continue 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.
- Mario will investigate if there is a need for Customer information, which means Name, Id and/or communication details, in the Accounting Point Characteristics Market Document
- Ove will make MRs based on appendix B1 to B11. B4 until B9, addition of new attributes to the MarketAgreement class, will be merged into one MR.
- Ove will update (simplify) [Redmine issue 7035](#) (Add the category attribute to TimeSeries, i.e. "Peak" and "Off peak")

For later meeting(s) - CGMES:

- 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.

For later meeting(s) - downstream:

- Continue review of appendix B (MRs based on BRS for Change of Supplier), starting from Appendix B17.
- Start review of the new BRS for exchange of Accounting Point characteristics.

14.3 Report from NTC meeting Thursday April 10th, 2025

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

New NTC meeting dates were agreed.

Ove informed that the following MRs were submitted to BW April 3rd:

NMEG/2024-217	Addition of a Category attribute to EnergyMarket class in IEC/Market and ESMP
NMEG/2025-224	Add ObjectType to Area Configuration Document in ESMP
NMEG/2025-225	Add SettlementAmount to ERRP Reserve Allocation Result in ESMP 20250402
NMEG/2025-226	Add association form MarketParticipant to ObjectType in ESMP

Mario had investigated if there is a need for Customer information, which means Name, Id and/or communication details, in the Accounting Point Characteristics Market Document:

- Elhub is using the following master data documents:
 - <https://dok.elhub.no/e27/notifystartofsupply>
 - <https://dok.elhub.no/e27/notifymeteringpointcharacteristics>
 - <https://dok.elhub.no/e27/notifycustomerinformation>

- If all attributes are covered, it doesn't matter if we use one document conveying all the information or several different documents, as long as all the information are exchanged. Hence, Mario thinks we can move forward as suggested.

Conclusion:

- We will make separate documents (and BRSS) for alignment of AP characteristics and alignment of Party characteristics.

Mario suggests investigating [pCloud](#) as a place for sharing large files.

Jan (SE) informed that UCA is about to launch their new website in May and gives the possibility to test it now in April (week after Easter).

We're looking for **10–20 volunteers** to help test UCA's new website. You're among 50+ people BCC'd in this email, and we'd love for you or members of your team to participate.

Testing Window: April 21–25, 2025

Go-Live Target: Second week of May 2025

If you can assist, I'll set up your account and add you to a focused email group before testing begins.

Feel free to forward this to others who may be a good fit.

Please let me know as soon as possible if you're available to assist with this task — thank you all!

Ryan A. Willcockson, PhD

Director of Business Operations

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Ove had investigated “why we cannot find the ChargeGroup and related attributes in the attribute table in Request Change of Supplier document” and found that:

- The chargeGroup.chargeType.type and chargeGroup.chargeType.Level are part of model and the xsd, but for some unknown reason not added to the attribute table.
- Are the chargeGroup.chargeType.type and chargeGroup.chargeType.Level added for the Finnish TaxCategory attribute?
- How does the chosen structure fit the Norwegian Taxation profile?

TaxationProfile	
-	VATCode: VATCode [0..1]
-	EnovaFeeType: char [0..1]
-	EnovaFee: decimal [0..1]
-	ElFee: decimal [0..1]
-	ElcertificateShare: decimal [0..1]
-	ConsumptionCode: char [0..1]
-	NACE_DivisionCode: char [0..1]

Conclusion:

- For the request change **of** supplier the current structure is OK.

- The chargeGroup.mRID will be added and used for a Nordic code list, starting with one code: “Electricity tax” and the chargeGroup.chargeType.Level attribute will be used for TaxCategory
- For AP characteristics we need in addition:
 - A type of fee (VAT, Electricity tax, ...). Proposal use mRID in ChargeGroup
 - A percentage
 - Price, Price unit and Currency

The review of appendix B (MRs based on BRS for Change of Supplier) continued, i.e. Appendix B17 and B18 were reviewed.

Finally, the draft BRS for AP characteristics was briefly reviewed and the class diagrams to be used as basis for the AP characteristics was agreed.

Action:

- All are asked to try finding CIM attributes for the missing AP characteristics attributes above.

Continued actions:

- Svein will continue 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.
- Ove will make MRs based on appendix B1 to B18. B4 until B9, addition of new attributes to the MarketAgreement class, will be merged into one MR.
- Ove will continue making the first draft of a BRS for AP characteristics.

For later meeting(s) - CGMES:

- 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.

For later meeting(s) - downstream:

- Continue review of appendix B (MRs based on BRS for Change of Supplier), starting from Appendix B19.
- Start review of the new BRS for exchange of Accounting Point characteristics.

14.4 Report from NTC meeting Thursday May 6th, 2025

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

From Mario May 5th, 2025:

Anyone started using Sparx EA 17 already?

I see v16 is not the latest and greatest anymore and are planning toward moving to EA 17 (nothing urgent, but I would like to avoid getting stuck on old versions, like we did with EA 14). Mario informs

that Elhub has very bad experience with letting EA versions "as is". The current plan is to start using EA 17 latest after summer vacations, preferably to run some tests sooner.

Status:

- Ove partly uses EA 15.2, but mostly EA 16.1
- Jan (DK) uses EA 15.
- Jan (SE) uses EA 15.2.

From Jan (DK):

We are using RSM-012 in our test environment and the developer are asking why the product is not mandatory in CIM?

+	Included Product Characteristics	0..*				
	Identification	1	Product identifier	Series / Product	0..1	
	Unit Type	0..1	Product measure unit	Series / Quantity <u>Measure Unit</u> / name	1	
	Observation Time	1	Series			The Series Period

It is mandatory in DH 2.0, can you remember why it is not mandatory in CIM?

Is it only Denmark that are using it or...?

From discussion:

- The "CIM based RSM 012 – Notify Validated measure data" is a Danish document. When other Nordic countries are ready for migration of this kind of exchange, they will probably choose the new "MeasurementData_MarketDocument" that is being developed by JWG and here the product is required.
- A similar attribute is currently used in all the Nordic countries, e.g. the "Business process" attribute:

E03 Change of Energy Supplier (DK)
BRS-NO-101 Start of supply - Change of supplier (NO)
DH-311-1 (FI)

Conclusion:

- We think this is a spelling error, i.e. we suggest having the product required in all time-series documents.

There were a few comments left in the BRS for Change of supplier:

- Can we delete the associations "FixedTermEndDate..." and "FixedTermStartDate..." from MarketAgreement to DateAndOrTime from the model – these are part of attribute description?

Conclusion:

- We need the information, but will implement it as a period instead, i.e. FixedTerm_Period
- Shall we use chargeGroup.mRID or chargeGroup.chargeType.type for the type of charge ("Z01 Electricity fee", "Z02 VAT", "Z03 Electricity certificate", "Z04 Environment tax")?

Conclusion:

- We use chargeGroup.chargeType.type
- We should review the cardinalities, e.g. should the Process be required?

Conclusion:

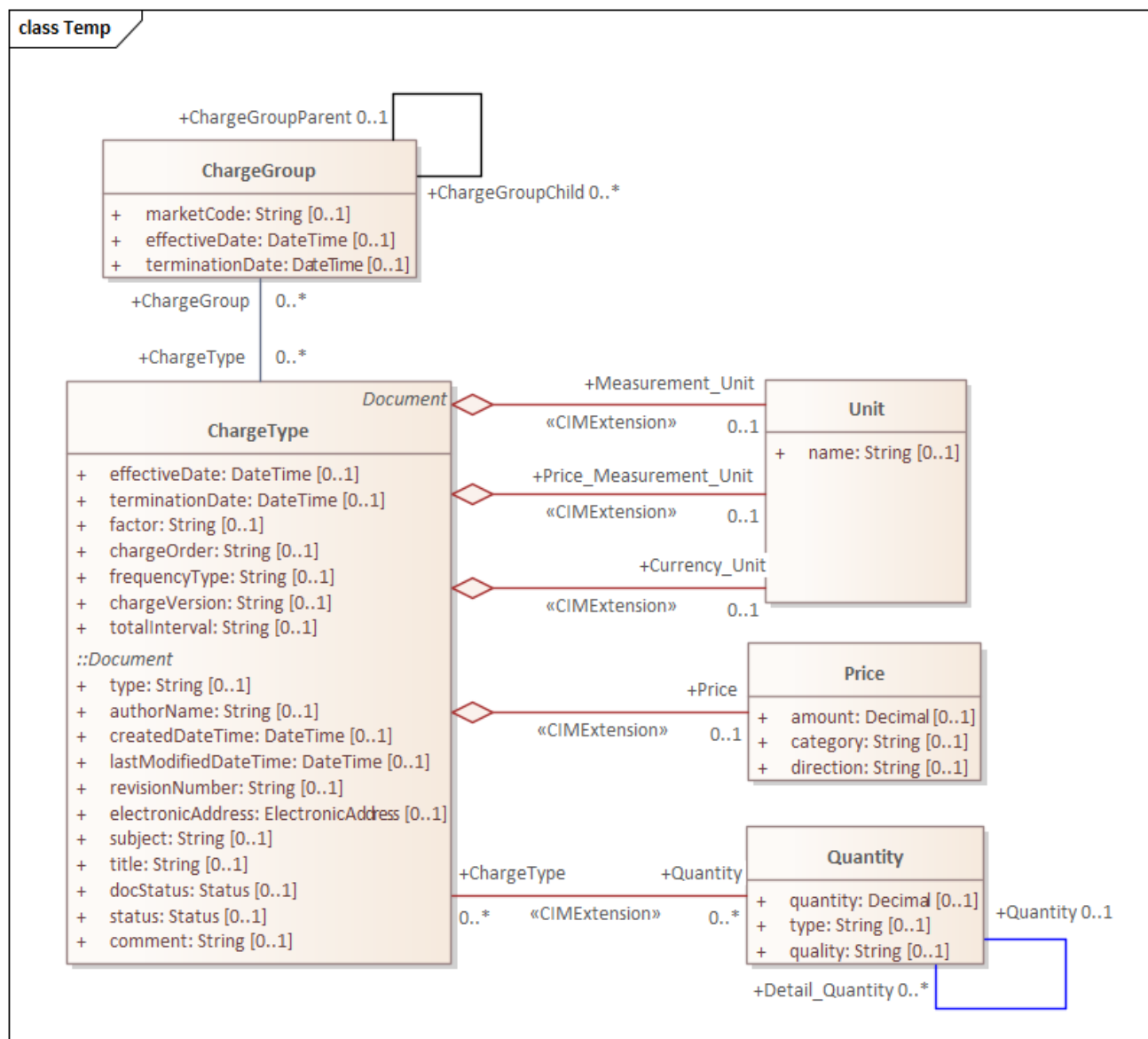
- We make the Process type mandatory in all downstream documents

- We make the association from MarketParticipant to MarketRole mandatory when applicable, for instance not used for contact persons, which don't have a market role.

We will ask NMEG for the next step for the BRS.

Which CIM attributes to use for the missing AP characteristics attributes were discussed:

- Type of fee (VAT, Electricity tax, ...). Proposal use mRID in ChargeGroup:
 - We suggest using chargeGroup.chargeType.type instead of mRID
- A percentage:
 - Add an association from ChargeType to Quantity
 - Add an association from ChargeType to Measurement_Unit.
 - Use Measurement_Unit/name = **P1** (percent)
- Price, Price unit and Currency:
 - We add associations to Price and Price_Measurement_Unit
 - We don't see any need for Currency_Unit



Svein informed that he hasn't managed to complete the model and created the mapping. However, he thinks he is getting closer but would like to have some concrete instance data examples from Elhub that can be used for mapping.

Svein had distributed updated versions of the model made so far, among others with the following updates:

- The NC Connection Point maps to the new GridConnectionPoint, which can be seen as logical or administrative class, e.g. used in grid connection agreements, while the EnergyConnection is a physical connection to an installation. For the time being modelled as one-to-one to the ...

Actions:

- Svein will continue 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.
- Ove will make MRs based on appendix B1 to B18. B4 until B9, addition of new attributes to the MarketAgreement class, will be merged into one MR.
- Ove will continue making the first draft of a BRS for AP characteristics.

For later meeting(s) - CGMES:

- 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.

For later meeting(s) - downstream:

- Continue review of appendix B (MRs based on BRS for Change of Supplier), starting from Appendix B19.
- Start review of the new BRS for exchange of Accounting Point characteristics.

15 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.

15.1 Prepare Nordic positions before coming CIM WG meetings

Nothing new.

16 Information (if any)

Nothing new.

17 Next meetings

NMEG:

- Tuesday June 3rd and Wednesday June 4th at Statnett's offices in Oslo
- Tuesday August 19th, 10:00 – 13:00, Teams

- Tuesday September 9th and Wednesday September 10th at Svenska kraftnät's offices in Sundbyberg

NTC:

- Wednesday May 14th, 2025, 12:00 – 14:00
- Tuesday May 27th, 2025, 13:00 – 15:00
- Wednesday June 11th, 2025, 10:00 – 12:00
- Tuesday June 17th, 2025, 13:00 – 15:00

18 AOB

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 Kommitté 57
TPC	Transparency Platform Coordinators (subgroup under MIT)