


Minutes: NMEG meeting Date: Wednesday March 19 th and Thursday March 20 th , 2025 Time: 09:00 – 17:00 and 09:00 – 15:00 (16:00?) Place: Nordic RCC offices in Copenhagen Towers, Ørestads Blvd. 114, 2300 København	 NMEG Nordic Market Expert Group
May 7 th , 2025	

Present: Christian, Energinet
Jan (DK), Energinet
Jan (SE), Svenska kraftnät
Jon-Egil, Statnett (convenor)
Mario, Elhub
Ove, Edisys (secretary)
Søren, Nordic RCC
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:

- Document for regulation market prices, see item 9.3
- Reserved codes to be approved, see item 10.4
- Implementing Act on Interoperability Requirements for Demand Response, see item 14.1
- Report from JWG/TF3 meeting March 12th and 13th, see item 14.2

- Swedish datahub documentation, see item 15.1.
- Issues with CIMConteXtor and CIMSyntaxGen, see item 15.6
- A question related to BRS for Alignment of Accounting Point Characteristics, see item 2

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 Makes (ECP) End Point in the GO language from Energinet

Background: Energinet has developed an alternative to the Unicorn Makes (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 is ongoing and is on track. The plan is still to have a first version available by the end of this year.

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.

Jon-Egil informed that also this project is ongoing and that nothing is needed from NMEG for the time being.

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.

Jon-Egil informed that NIT was happy with a proposal presented at a meeting March 4th. The proposal proposed having a hybrid network, using both internet and an internal network (RPN). The proposal suggests implementation before summer this year.

Jon-Egil will distribute the presentation after the meeting.

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 task is ongoing - nothing new reported.

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.

Søren gave a presentation of the NRCC analytics platform.

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 Network Codes related to remedial actions

Rodrigo Neno from NRCC CSA service (Coordinated Security Analysis) gave an introduction to their work with Network Codes.

The presentation can be found at the NMEG Teams Team meeting folder.

Item closed.

8 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.

8.1 Alignment of NMEG BRSs and NBM BRSs/IGs

8.1.1 [Status for publication of BRS for Nordic scheduling system](#)

The last comments in BRS for Nordic scheduling system was reviewed and agreed (updated).

Action:

- Ove will, unless new questions turn up, clean-up the BRS for Nordic scheduling system, send it on circulation for comments to NMEG for one week and thereafter publish it.

8.1.2 [BRS for Nordic trading system](#)

The review of comments in the BRS for Nordic trading system continued.

Among others it was agreed, based on a proposal from Jon-Egil, that the Balancing Market Document should be used instead of the Publication Market Document when exchanging regulation market prices and when migrating the NBS documents to CIM.

Action:

- Ove will clean-up the parts of the BRS for Nordic trading system that were agreed during the meeting.

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

Ove had as action made a class diagram and xml schema version 6.5 that may be used by NBM until an official version is published by ENTSO-E. The unofficial version has been 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.

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.

8.3 Status for addition of new “Reserve requirements” exchange for NBM

Jon-Egil had distributed the requirements that are under discussion: within NBM:

- ReserveRequirements.docx
- SatisfiedDemand.docx
- NRCC_CSA_NC - Copy.pptx
- ReservedCrossBorderCapacity.xml
- ReserveRequirement.xml
- SatisfiedDemand.xml

Jon-Egil presented the proposal. The documents are uploaded to the NMEG Teams Team meeting folder.

To remember item:

- We will incorporate the new “reserve requirements” in our BRS for Trade when finally agreed by NBM.

9 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.

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

Continued action:

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

9.2 CIM for NBS

Ove had as action verified that the actions from May 28th, 2024 (see below) are done:

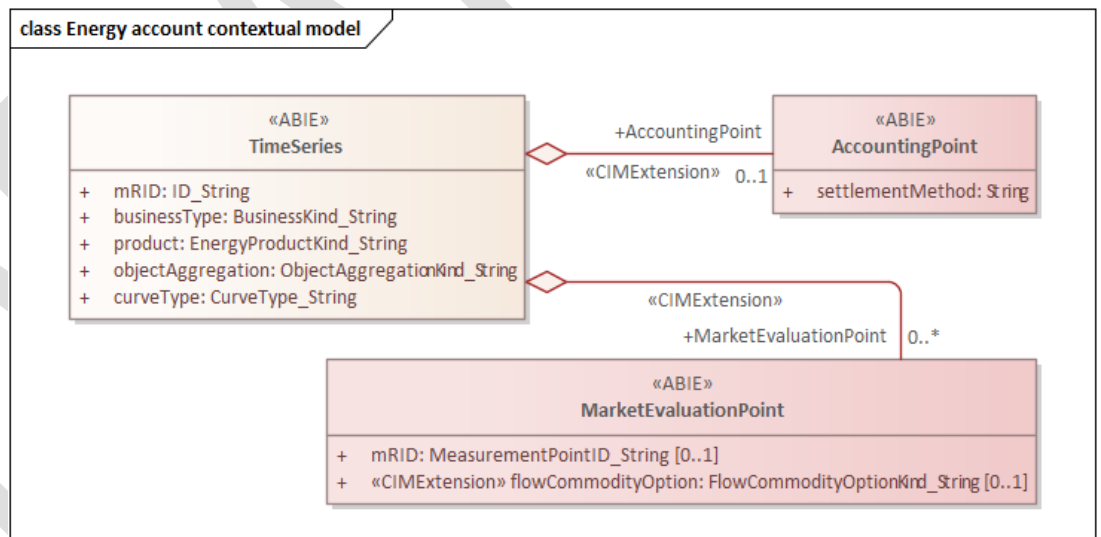
- Ove will make an MR for addition of the following to the FSKAR MeteringData_MarketDocument:
 - Add EnergyCharacteristics and flowCategory (Changed to flowCommodityOption in MarketEvaluationPoint (AccountingPoint)) and DeltaQuantity to FSKAR MeteringData document, “Validated data for settlement for Aggregator”
 - Add a quality attribute (to be used for “Aggregated data per neighbouring grid”)
 - A quality attribute is already added to the FSKAR MeteringData_MarketDocument.
 - Add an association from Point to Quantity called “DeltaQuantity” (to be used for “Confirmation of aggregated data per neighbouring grid”)

Status:

- The NMEG MR 2024/215 was approved at the CIM WG meeting September 25, 2024.
- Ove will make MRs for the additions following to the EAR document:
 - Change cardinality of the association from the TimeSeries class to the Party_MarketParticipant class to [0..*] and add a new association from the Party_MarketParticipant class to a MarketRole class, including the code attribute.
 - Add an association from the TimeSeries class to the EnergyCharacteristics class and the flowCategory attribute (Changed to flowCommodityOption in MarketEvaluationPoint (AccountingPoint))
 - Add a settlementMethod attribute to the EnergyCharacteristics class and add an association from the TimeSeries class to the EnergyCharacteristics class
 - Add an association from the TimeSeries class to the MktPSRType class and the psrType attribute.
 - Add an association from the TimeSeries class to the Reason class and the code attribute.

Status:

- The NMEG MR 2024/216 was also approved at the CIM WG meeting September 25, 2024.
- However, after discussions in UCA TF 16 there will not be any EnergyCharacteristics class to add the settlementMethod attribute to, hence it was proposed to add the AccountingPoint class and the sole attribute settlementMethod to the FSKAR document instead, i.e.:

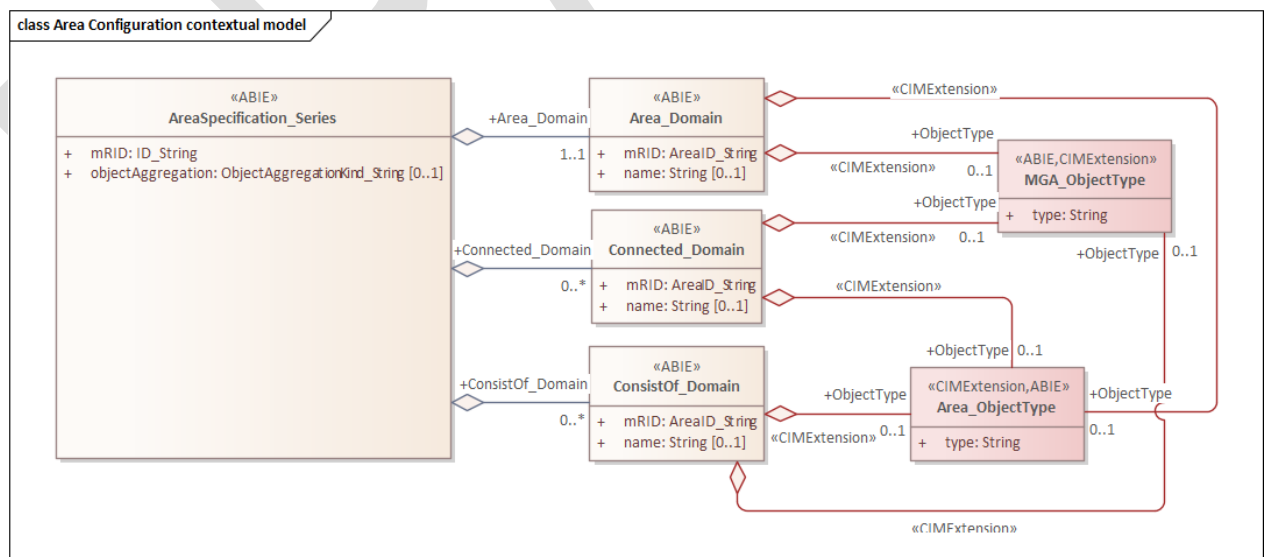
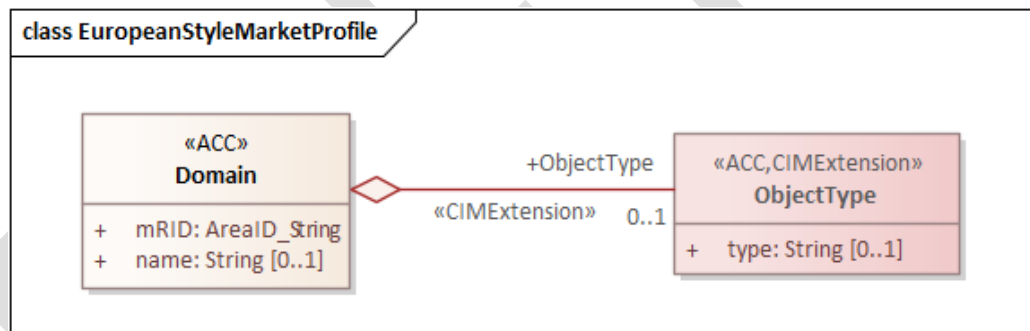


In addition, Ove had cleaned up the memo proposing how to migrate from old ebIX® documents to CIM documents for the NBS ebIX® and ENTSO-E based documents. The memo was reviewed and the following agreed:

- ERRP Reserve Allocation Result Market Document:
 - TenderingParty maps to bid_Original_MarketDocument.tendering_MarketParticipant.mRID
 - We will make an MR for addition of a settlementAmount
- ECAN Publication Market Document:

- Instead of asking for addition of ProcessType, we ask eSett if we can use the Balancing Market Document instead – there we have the processType, i.e. for the following Process types
 - **A30** Tertiary reserves process
 - **A51** Automatic frequency restoration reserve
 - **Z15** External trade (Trade outside the Capacity Calculation Region)
 - The maximumPrice and/or minimumPrice are not used by eSett
 - We will ask eSett if the “flowDirection” class and an association to either the Point or the Price class still is needed – or if this eventually can be two different time series.
- Area Configuration Market Document
 - In the currently available ENTSO-E Area configuration Document the “Type of area” and “MGA type” is supposed to be put into the name attribute (string) in the AreaCharacteristics_Domain class. However, we would like to have two enumerations instead.

Hence, it was agreed to make an MR for addition of two ObjectType classes (MGA_ObjectType and Area_ObjectType) and one association from Domain to each in ESMP and the Area Configuration Document.



Action:

- Ove will update the NMEG MR 2024/216 by adding an AccountingPoint class with the sole attribute settlementMethod
 - Ove will send it to the ESMP SG for consideration and rediscusses it at the next NMEG.
 - If agreed, we will thereafter send it to CIM WG for approval.

- Ove will make an MR for addition of a settlementAmount to the ERRP Reserve Allocation Result Market Document
- Ove will make an MR for addition of two ObjectType classes (MGA_ObjectType and Area_ObjectType) and one association from Domin to each in ESMP and to the Area Configuration Document.
- Ove will verify with eSett if direction still is needed on interval level and if it is OK to move to Balancing Doc
- Ove will clean-up the memo and forwarded it to eSett, incl.:
 - Send to Tuomas P and CC to Minnakaisa.
 - Include the questions above.
 - Asking if eSett has any plans, schedule or similar for when to start the migration to CIM.

9.3 Document for regulation market prices

Jon-Egil suggest that the Balancing Market Document should be used instead of the Publication MarketDocument when exchanging regulation market prices and when migrating the NBS documents to CIM.

Se above.

Item closed.

10 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.

10.1 NMEG CIM master data documents

Ove had as action asked eSett if the Ediel Request- and Notify Trade Structure Documents still is used and relevant with the following answer from Tuomas P:

I have discussed this internally. We have been evaluating the relevance and use of Request- and Notify Trade Structure Documents within eSett.

Request trade structure document is a valid use case for eSett. It can be used by BRPs and NEMOs to report new trade structures to eSett. We also see value for it in the future. → **✓ Migrate**

However, *Notify trade structure document* is not used, and our estimate is that the effort to implement it is higher than the expected value received. → **✗ No need to migrate**

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.

Jan (SE) had distributed the latest version of the BRS for Master Data to his colleagues from Svenska kraftnät, however without any response yet.

10.2 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.

10.3 Update of NMEG code list (if applicable)

10.3.1 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.

10.4 Reserved codes to be approved

Code	Name	Description
Reason codes		
Z98	Static reserve	The market reserve type is static. A more specific definition depends on the market in question.
Z99	Dynamic reserve	The market reserve type is dynamic. A more specific definition depends on the market in question.
ZA1	Reference Incident	A reference to the incident that is used as a basis for calculating the needed reserves.
ZA2	Normal Imbalances	The normally expected imbalances used for calculating needed reserves.
ZA3	Non-standard products	A product that is neither standard nor specific.
ZA4	Other	Any other reason.
Business type codes		
ZA6	Satisfied capacity procurement demand	How much of the demand for capacity that has been satisfied by the market.

Action:

- Ove will update the NMEG code list.

Item closed.

11 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
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"> • WG16 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.
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.

MR #	Content	Status
		<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.
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.
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 and 20250320:</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 submitted the MR to Redmine and will bring it up in WG16.

12 Status for establishing a status log for MRs to ENTSO-E

Ove informed that he will have a short meeting with Bhagyashree on Friday March 21st to discuss how to do the updates of ESMP and xml schemas with the approved MRs.

NMEG suggest the following:

- Start from latest ESMP profile from Alvaro:

[20240426_ESMPv4_iec61970cim18v02_iec61968cim14v00_Market04v15.eap](#)

and latest CIM packages from Becky:

[20220629_From_ESMPv2_to_ESMPv4_WG16.docx](#)

I.e. export the ProfilesIEC62325 package to xmi and import it to the CIM package

- We should make a change log, maybe similar to [20220629_From_ESMPv2_to_ESMPv4_WG16.docx](#)
 - We could try using CIMCompare to find changes between June 2022 and April 2024, ref mail from Jan (SE) February 11th.
- We should maintain a status log (e.g. an Excel sheet) with the status of MRs

We assume the establishing of a MR status log is part of the ongoing work for update of ESMP, xml schemas etc.

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

For information, Jan (SE) had updated the PRODAT IG, version 4.0.A. Thereafter Ove had added the new version.

Ove had also creation an archive page for IGs, where PRODAT IG version 3.0.A is put – Version 3.1.A and 4.0.A are reminding at the "Guide" page.

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

Continued action:

- Ove will go through the text at Ediel.org and make a proposal for removal of links to ebIX.

14 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.

14.1 Implementing Act on Interoperability Requirements for Demand Response

The following two documents are out for comments:



and



Item closed.

14.2 Report from JWG/TF3 meeting March 12th and 13th

Minutes Day 1:

2. Updated meter data market documents for IG Access to metering and consumption data

Conclusions:

- ON gave a visibility to TF3 on the updated versions of the meter data market documents for the IG access to metering and consumption data.
- Some small corrections will be done in the documents and a latest version will be shared in the next TF3 meeting.

3. Alignment of the Meter data market document for IR Access to metering and consumption data, My Energy Data, FSKAR, EU MED

Conclusions:

- TF3 agreed to have a common meter data market document but renamed as "Measurement data market document"
- A new updated proposal will be drafted and reviewed in the next TF3 meeting and if the TF3 is fine with the proposal a MR will be created to create a new meter data document.

4. Round table

- WV informed TF3 on the new developments regarding the IR CS, the EC has asked to add some further steps on the contract in the procedures.
- TF3 agreed when the changes are informed by the EC the IG CS will undergo modifications on the technical diagrams.
- WV also informed that a further alignment is needed for the BPMN models for IR DR and the procedure steps.
- The group discussed to prioritize the alignment of Roles from IR DR as well as new version of the NC DR and also the info exchanges/ procedures for IR DR.

Minutes Day 2:

5. HEMRM: IR DR Role discussions

Conclusions:

- The TF3 reviewed the part 1 & part 2 of the internal consultation version of the IR DR and drafted a common TF3 position.
- An **excel sheet** with TF3 common position is created that contains feedback from TF3 on the roles, whereas, procedures, info exchanges.

6. Review: Information exchanges IR DR

Conclusions:

- TF3 reviewed and shared feedback as part of internal consultation on the BPMN diagrams, procedure steps and the info exchanges for IR DR.
- TF agreed to align the procedure steps along with the info exchanges.
- The next step will be to discuss the feedback in the next TF2 plenary session.

7. Updates: IG- Customer Switching

Conclusions:

- TF3 reviewed the drafted use case, activity and sequence diagrams for the procedure steps on a) switch supplier and b) cancellation of switch supplier.
- Further updates on the work will be reviewed in the next TF3 meeting.

8. 5. Round table

Conclusions:

- The TF3 feedback for IR DR (BPMN model, Info exchanges) will be discussed in the TF2 plenary session on 17 Monday.
- The technical modelling team will internally align the procedures steps with the BPMN models and review all the info -exchanges as soon as possible, TF3 will support the alignment.
- TF3 agreed to include mapping of AP characteristics in the TF3 SG meetings, meetings will now be dedicated for both IG and AP characteristics. More invites for the SG meetings to be scheduled by the PMO.
- A new proposal for the common market document for measurement data will be discussed in the next TF3 meeting.
- Next meeting is scheduled on 04 April 2025 from 10:00 AM to 12:00 PM.

Item closed.

15 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.

15.1 Swedish datahub documentation

Jan (SE) informed that he has uploaded a set of Swedish datahub documents to the NTC Teams Team Datahub documentation folder.

Item closed.

15.2 Report from NTC meeting Friday March 7th, 2025

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

The main part of this meeting was a review of remaining comments to the BRS change of supplier. All remaining comments were handled.

At the end of the meeting a review of appendix B was started. The MRs from appendix B1 to B11 were reviewed and agreed. The review will continue at the next NTC meeting.

Items for next meeting:

- Continue review of needed MRs in Appendix B, starting at B12.
- Start review of new BRS for exchange of Accounting Point characteristics.

Action:

- 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.

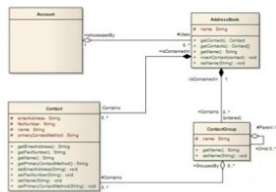
Item closed.

15.3 Report from CIM Profiling Tools Governance Group (Kick-off call) March 12th, 2025

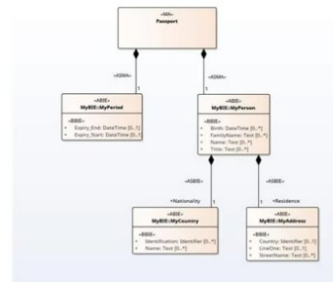
The meeting was discussing topics for the next version of CIMConteXtor and CIMSyntaxGen, expected published by the end of the year:

- It was suggested to move from EA 32-bit version to EA 64-bit version due to performance time. It will be discussed if a 32-bit version shall be maintained for legacy reasons.
- jCimClean validation is expected to be incorporated in CIMConteXtor (plug-in written in java code).
- It will be discussed if “bidirectional checks in CIMContextor” should be implemented – to be discussed in a separate workshop.

Profile



CIM Model

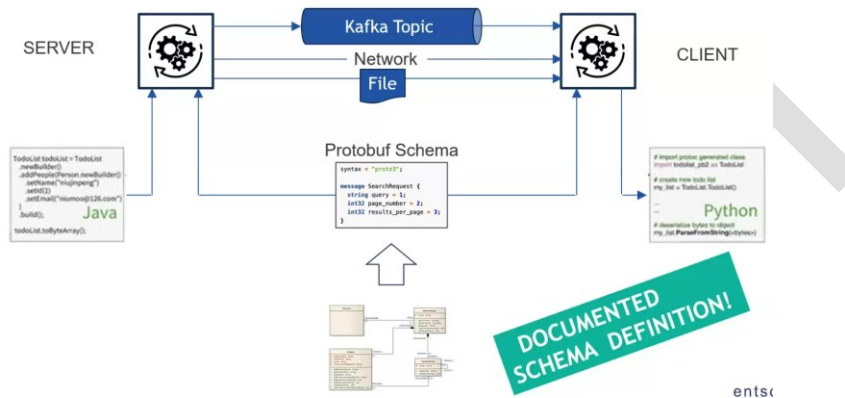


Will be used to check consistency of associations, generalisations etc. between basic CIM and ESMP.

- Discuss if “Protobuf” shall be implemented in addition to AVRO and JSON.

Protocol buffers (Protobuf) schema serialisation in CIMSyntaxGen

Intro



- Discuss addition of JSON-LD schema serialisation of 61970 profiles in CIMSyntaxGen.
- Delivery plan for mandatory change requests:

Task	Date
Security Issues - CimConteXtor	15. March
Security Issues - CimSyntaxGen	31. March
CIMConteXtor Code refactoring	TBD with the inputs from today's meeting
jCleanCim Validations incorporated (not tested yet)	31. March
jCleanCim Validations testing	30. April
Profile parallel serialization in CIMSyntaxGen	15. May
Handling namespace in CIMSyntaxGen	15. May
Final update of manuals	15. May
Update to support IEC 61970-501:Ed2	Put on hold

- Delivery plan for optional change requests:

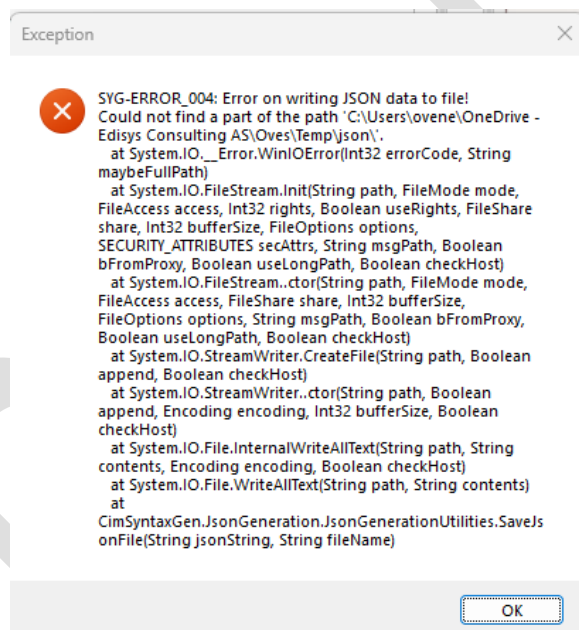
Task	Date
Bidirectional checks in CIMContextor	TBD
Handle profile specific implementation notes with CIMContextor	TBD
JSON-LD schema serialization of 61970 profiles in CIMSyntaxGen	TBD
Protocol buffers (Probuf) schema serialization in CIMSyntaxGen	TBD
Hierarchical profiling support with CIMContextor	TBD

Item closed.

15.4 Issues with CIMContextor and CIMSyntaxGen

Ove has reported some issues with CIMContextor and CIMSyntaxGen:

1. When having more than three levels of CIM classes in the contextual model that will result in one attribute in the assembly model, the attribute is omitted from the resulting class diagram (assembly model), see example in attached PP.
2. When generating json schemas (WG16) with CIMSyntaxGen we get an error message from XMLSpy:



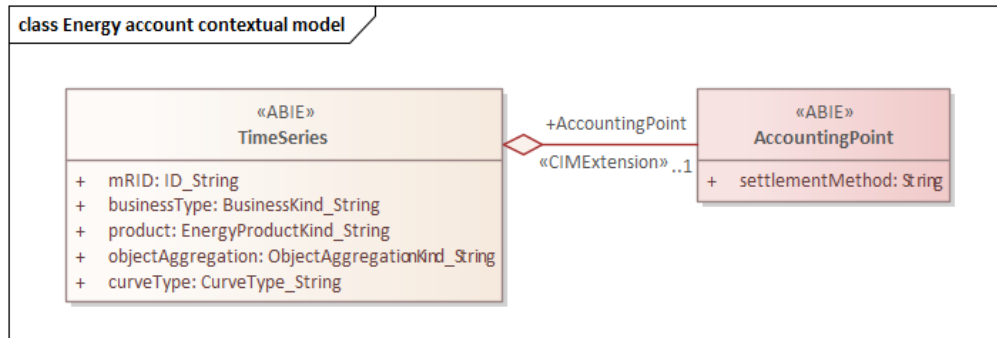
However, a json schema is generated, but with the following error message from XMLSpy:

“Unable to show schema:

C:\Users\ovene\OneDrive - Edisys Consulting
AS\Oves\Temp\json\Energy_account_assembly_model.schema.json”

There are no other error messages from CIMSyntaxGen or XMLSpy.

3. Ove found a new issue with CIMContextor related to the latest version 3.2.5. When associating the AccountingPoint class with the Time series class, i.e.:



This goes fine when using CIMContextor 3-2-4.

However, after installing CIMContextor 3-2-5 I get the following error message when trying to do the same:

Selected class: Energy account contextual model::AccountingPoint

N°	Associated class	Selected class role	Associated class end role
<input type="checkbox"/>	Energy account contextual model::Domain		Domain
<input type="checkbox"/>	Energy account contextual model::MarketAgreement		MarketAgreement
<input type="checkbox"/>	Energy account contextual model::MarketEvaluationPoint	MarketEvaluationPoint	
<input type="checkbox"/>	Energy account contextual model::MarketParticipant		MarketParticipant
<input type="checkbox"/>	Energy account contextual model::Party_MarketParticipant		MarketParticipant
<input checked="" type="checkbox"/>	Energy account contextual model::TimeSeries	MarketEvaluationPoint	

Detail of the connector n° : 6

N°	Selected class role	Assoc

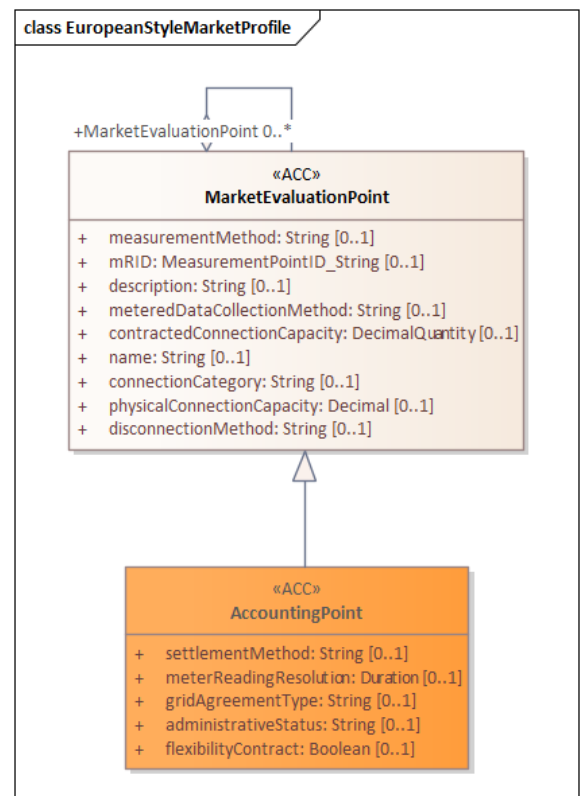
Error

ERROR_043: A subdivided connector must be oriented!

OK

Buttons: Save, Cancel, Modify selected association

I could guess it may have something to do with AccountingPoint being a generalisation of MarketEvaluationPoint in ESMP:



15.5 *Review of confirm, reject and notify change of supplier*

In progress by NTC.

15.6 *A question related to BRS for Alignment of Accounting Point Characteristics*

Question:

- Shall we include Customer information in this document or is that a topic for a separate BRS, e.g. BRS for alignment of characteristics of a Customer linked to an Accounting Point?
 - In Norway the Customer Involved Customer Party class is part of the Notify Metering Point Party class,
 - In Finland and Denmark this is separate documents.

Action:

- All NTC participants are asked to investigate if there is a need for Customer information, which means Name, Id and/or communication details, in the Accounting Point Characteristics Market Document before next NTC meeting (March 24th)?

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

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 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.

16 **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.

16.1 *Prepare Nordic positions before coming CIM WG meetings*

Nothing to be discussed.

17 **Information (if any)**

Mario informed from WG16 meetings:

- It's being discussed if new versions of CIM should be publish on GitHub instead of as zip-files.
- It is also noted that Redmine is missing tools for searching for dependencies between MRs.

18 Next meetings

NMEG:

- Tuesday April 22nd, 2025, 13:30 – 16:30, Teams
- 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:

- Monday March 24th, 2025, 13:30 – 15:30
- Wednesday April 2nd, 2025, 10:00 – 12:00
- Thursday April 10th, 2025, 13:00 – 15:00

19 AOB

No items.

DRAFT

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)