


Minutes: NMEG meeting Date: Thursday April 16 th , 2020 Time: 09:00 –10:00 Place: GoToMeeting	 NMEG Nordic Market Expert Group
April 22 nd , 2020	

Present: Jan, Energinet
Jan, Svenska kraftnät
Jon-Egil, Statnett (Convenor)
Mika, eSett, FI
Ove, Edisys (Secretary)
Tage, Energinet

To (NMEG): Anne Stine, Elhub
Christian, Energinet
Jan, Energinet
Jan, Svenska kraftnät
Jari, Fingrid
Jon-Egil, Statnett (Convenor)
Ole, Energinet
Ove, Edisys (Secretary)
Tage, Energinet
Teemu, Fingrid

CC: Audun, Elhub
Fedder, Energinet
Hans Erik, Elhub
Minna, Fingrid

To (Invited guests): Mika, eSett, FI
Tommy, eSett, FI
Tuomas L, eSett, FI
Tuomas P, eSett, FI

Appendix A: Result from NMEG CIM-XML Subgroup
Appendix B: Localising ABIEs (Nordic/national ABIEs)
Appendix C: Overview of Nordic memberships in international standardisation bodies
Appendix D: Overview of the usage of xml-schemas in the Nordic countries
Attachment: None

1 Approval of agenda

The agenda was approved with the following additions:

- Describe how to use ECP messageType, se item 3.1;
- NMEG "ECP/EDX Centre of Excellence" subgroup, see item 3.2;
- Missing code in NBS BRS for Master Data, see item 6.3;
- Format for publishing of MRAs by NOIS, see item 14.1 under AOB;
- New codes for NBM, see item 14.2 under AOB;
- SvK need some more information from eSett, see item 14.3 under AOB.

Minutes from NMEG meeting

2 Approval of previous meeting minutes

The minutes from previous NMEG meeting were approved.

3 Framework for governance of EDX/ECP (item from NMEG Roadmap)

Background: *From the NMEG Roadmap:* During 2020, NMEG intend to make a framework for governance of EDX/ECP (MADES) for the Nordic countries. eSett is moving towards ECP and introduces ECP as a new communication channel during Q1 2020.

References (links): NMEG Roadmap

What to decide, discuss or inform: Drafting the content of the "NMEG framework for governance of EDX/ECP"

The following action items were transferred to the new NMEG "ECP/EDX Centre of Excellence" subgroup:

- NMEG will investigate if a "MADES for dummies" document is available or can be made;
- Jon-Egil will coordinate with Ove Morten at Statnett and make a first draft of a document, among others based on the outcome from the workshop next week.

A status for the NMEG "ECP/EDX Centre of Excellence" subgroup will be added as a permanent item on NMEG agendas

3.1 Describe how to use ECP messageType

This is a task for the NMEG "ECP/EDX Centre of Excellence" subgroup, see next item.

3.2 NMEG "ECP/EDX Centre of Excellence" subgroup

Jon-Egil had informed that one of the outputs of the ECP/EDX workshop was a request to NMEG to set up an "ECP/EDX Centre of Excellence" subgroup. The group has now been set up and Jari is elected as chair of the group.

4 NMEG-NORCAP Project

Background: NORCAP is a project run by Nordic RSC that needs a set of new CIM based documents, such as the CRAC document and the SIPS document.

References (links): None.

What to decide, discuss or inform: Update of the NorCap BRS.

Ove had as action cleaned up the BRS for NorCap and uploaded it to the NMEG eRoom.

Action:

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

Minutes from NMEG meeting

5 Status for a common meeting with NEAT

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

References (links): None.

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

Ongoing task:

- Jon-Egil will check if it still is any interest for a common meeting with NEAT and if so, schedule a common meeting.

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

Background: NMEG is responsible for a set of BRSs that are published at www.ediel.org.

References (links): None.

What to decide, discuss or inform: Update of BRSs and other documents if needed.

6.1 XML specification for FFR services

At the previous NMEG meeting, the following codes were reserved for the CIM version of the ERRP Planned Resource Schedule for FFR services:

- Document Type code:
 - Z36** Power Prognoses
- Business Types:
 - Z84** Inertia
 - Z85** FFR
 - Z86** Frequency nadir
 - Z87** Reference incident
- Process Type:
 - Z14** Fast Frequency Reserve Process

MRs for the codes will be submitted to CIM EG later, when the document exchanges are in production.

Action:

- Ove will add the CIM version of the ERRP Planned Resource Schedule for FFR services to the BRS for Schedules.

6.2 ENTSO-E/Nordic codes for the codes used in QUOTES

Shall we make a MR for a new Process type for the “D” in QUOTES, i.e. bids for Disturbance reserve (“störningsreserven”)? Question postponed.

Minutes from NMEG meeting

Continued action:

- Jan (SE) will find a **good** definition of "störningsreserven" (Disturbance reserve).

6.3 Missing code in NBS BRS for Master Data

From Mika:

Dear colleagues,

since we updated the [NBS BRS](#) and the 'NEG (eBIX® based) Aggregated Data per MGA (E31, E44) - consumption' to support Settlement Method e15 (Flex settled), I believe we forgot to update the same Settlement Method also to [NBS BRS for Master Data](#) and 'NEG Party Master Data Document'.

At the moment we have in [NBS BRS](#) (page 47) the following attributes available for Settlement Method:

Settlement Method	Settlement Method Type	[1]	Settlement Method	E01 Profiled E02 Non-profiled E15 Non-profiled with special rules (Flex settled)
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I suggest, that we add the Settlement Method E15 also into [NBS BRS for Master Data](#) - NEG Party Master Data Document, page 33:

Settlement Method	[0..1]	E01 Profiled E02 Non-profiled <i>Business rules:</i> <ul style="list-style-type: none">• See Table 7: Dependency table for NEG Party Master Data Document as Retailer Consumption Master Data
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And the table 7 on page 34 would need to be updated so, that **E15** Flex settled would have to be added as Settlement method to:

- Document Type **Z12**, Business Type **A04** and **A15**
- Document Type **Z20** and **Z21**, Business Type **A04** and **A15**

Action:

- Ove will add the missing code **E15** in NBS BRS for Master Data and send it to NMEG for 14 days before publication.

7 Status for MRs to ENTSO-E

Background: NMEG has sent several Maintenance Requests (MR) to ENTSO-E during the last years and some of these (about 10 MRs) has been postponed by WG-EDI.

References (links): The MRs can be downloaded from [Statnett's eRoom](#).

What to decide, discuss or inform: Status for the MRs sent to WG-EDI.

Minutes from NMEG meeting

Jon-Egil informed that NMEG 2019/170, new Process Type Code “**Z05** Bilateral Trade”, to be used in the NBS BRS (ESS), has been approved, however renamed:

A59 Internal trade reporting

Action:

- Ove will replace “**Z05** Bilateral Trade” with “**A59** Internal trade reporting” in the non-published NBS BRSs and to other BRS where used (without publication).
- DK, FI and SE will go through the list of Reason Codes below (see chapter 5.3.4 in NBS BRS for TSO-MO) and verify if the codes are used and needed. The BRS can be downloaded from [Statnett eRoom](#).
 - Z22** Supportive power
 - Z26** Transit triangle
 - Z27** Transit redispatch
 - Z28** Transit SB Loop Long
 - Z31** FRR-M, Balancing Power (Frequency Restoration Reserve - Manual activated reserves (FRR-M), Balancing Power)
 - Z34** FRR-M, Quarter regulation (Frequency Restoration Reserve - Manual activated reserves (FRR-M), Quarter regulation when TSO need transfer of production (usually start 15 min earlier))
 - Z35** FRR-M, Special Regulation (Frequency Restoration Reserve - Manual activated reserves (FRR-M), Special Regulation where regulation does not affect the regulation price)
 - Z36** Hour Change Regulation (to reduce problems encountered at the turn of the hour in the Nordic countries or in Finland, Fingrid reserves the right to transfer the planned changes to begin 15 minutes before or after the planned moment)
 - Z37** Power Transaction (Fixed price transaction used for specific purposes outside of ordinary regulation)
 - Z38** TSO Internal Countertrades (The time series concern TSO Internal Countertrades)
 - Z39** Day Ahead Production Adjustment (Energy (production) moved from one hour to another to avoid major changes between hours)
 - Z42** FCR-N, D-1
 - Z43** FCR-N, D-2
 - Z44** FCR-N, D-1, correction
 - Z45** FCR-N, D-2, correction
 - Z46** FCR-D, D-1
 - Z47** FCR-D, D-2
 - Z48** FCR-D, D-1 correction
 - Z49** FCR-D, D-2 correction

8 BRS for schedules

Background: The latest version of the BRS for Schedules was published in February 2014. Since then the scheduling processes has changed and NMEG is working on updating the document.

References (links): The draft BRS can be downloaded from [NMEG working documents](#).

Action(s): The following actions will be reopened when we start a project together with NBM (Nordic Balancing Model):

Minutes from NMEG meeting

- 1) Jan (SE) and Fedder will check the dependency matrix for ESS schedule document and ESS confirmation report, chapter 7.1 and 7.3.
- 2) Fedder, Jan (SE) and Jari will verify if “A09 Finalised” is (will be) used for the ERRP Planned Resource Schedule Document from BRP to SO, or if it is only “A14 Resource Provider Resource Schedule (Operational schedule)” that will be used (as in Norway), ref. chapter 7.4 in the Schedule BRS; *SvK and Fingrid will be using A14. Energinet is pending.*
- 3) Everyone should verify and possibly update the “Used in” column in chapter 7.4.3;
- 4) Jari will find Finnish usages of Business types in chapter 7.4.4;
- 5) Everyone should verify and possibly update the “dependency matrix” in chapter 7.4.5.

What to decide,

discuss or inform: Postponed until we start a project together with NBM.

Continued action:

- Ove will prepare CIM versions of the documents in the Scheduling BRS.

9 XML schemas (to remember item)

Background: The NMEG set of schemas, including extended table with TSO columns, are shown in Appendix D.

References (links):

Action(s): When we start a project together with NBM (Nordic Balancing Model), everyone are asked to find what versions of xml-schemas are used to day in different projects and come up with proposals for new schemas and/or sets of schemas that should be published at www.ediel.org.

What to decide,

discuss or inform: Verify the list of proposals for new schemas and/or sets of schemas, from the NMEG participants, that should be published at www.ediel.org.

10 NMEG CIM-XML Subgroup

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

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

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

Minutes from NMEG meeting

References (links):

What to decide,

discuss or inform: Status.

The question: Where to put the ebIX® attribute Energy Industry Classification Type (Electricity or Gas)? Has been added to the agenda for the next ETC (ebIX® Technical Committee).

Ove had as action forwarded the MR NMEG/2020-01 to EBG:

- Needed aggregation-criteria for the Nordic imbalance settlement process in the document Aggregated Data per MGA for Settlement for Settlement Responsible:
 1. “Regulation Type” to identify the origin of the energy, such as Nuclear, Solar, Thermal etc.
 2. “Production Category” (currently called Production Type), i.e. Normal and Minor
 3. “Type of metered data”, currently implemented as ENTSO-E Business Types, such as Production, Consumption, Pumped etc.

10.1 Report from NMEG CIM-XML Subgroup: GoToMeeting March 11th

- Participants Jan (DK), Jan (SE) and Ove.
- The meeting was a practical meeting where the ebIX® extension packages were replaced with the latest. One result of the replacement was that all existing documents that are using elements from the extension packages had to be redone, i.e. the classes and attributes from the extension package must be deleted and re-added.
- Ove did as homework update the Validated Data for Settlement for Aggregator document.

10.2 Report from NMEG CIM-XML Subgroup: GoToMeeting March 19th

- Participants Christian, Fedder, Jan (DK), Jan (SE) and Ove.
- Most of the meeting was spent on making a road map for making CIM documents for the Danish Datahub version 3.0:
 - Denmark need the documents by the end of the year.
 - Realistic alternatives seem to be to make the documents in Denmark or by NMEG.
 - In addition, needed extensions to CIM should be submitted to IEC, probably through ebIX®. If not enough time, the extensions can be handled as intermediate national or Nordic extensions.
 - The first processes will be exchange of master data for Accounting Points, master data for billing, master data for parties and metered data.
 - We will start by making a CIM document for master data for Accounting Point at the coming NMEG CIM-XML group meeting April 3rd.

Action:

- Jan (DK) will come up with a specification (class diagram, table or similar) of the needed master data for Accounting Points before next NMEG CIM-XML group meeting April 3rd.

10.3 Report from NMEG CIM-XML Subgroup; GoToMeeting April 3rd

- Participants Christian, Jan (DK), Jan (SE), Ove and Teemu.

Minutes from NMEG meeting

- Jan (DK) had as action from previous meeting found specifications of the needed master data for Accounting Points:
 - BRS-005: Request for master data
 - RSM-006: Request master data
 - RSM-023: Response Master Data Accounting Point
 - RSM-029: Response Master Data Consumer
 - BRS-006: Notify master data – Grid Company
 - RSM-021: Change of Accounting Point master data
 - RSM-022: Notify Accounting Point master data
 - BRS-015: Notify master data Customer – Energy Supplier
 - RSM-027: Change of Customer master data
 - RSM-028: Notify Customer master data
- We started with RSM-022 and made the contextual data model shown in Appendix A/A.3.
- As a follow-up after the meeting, Jan (SE) think he found a way of localising ABIEs (making Nordic/national ABIEs).
- New GoToMeetings were agreed on April 17th and 21st, both from 10:00 to 11:30.

Action:

- Jan (DK) will compare the Aggregated Metered Production Document and Validated Data for Settlement for Aggregator with Measure documents specified in Denmark.

11 Picture at the front page of www.ediel.org

Background: At the NMEG meeting March 2020, it was agreed to add a picture to the front page of www.ediel.org.

References (links): www.ediel.org.

What to decide, discuss or inform: Status.

Continued actions:

- Jon-Egil volunteered finding proposals for a picture;
- When a picture is agreed, Teemu will add it to www.ediel.org.

12 Information (if any)

Nothing reported.

13 Next meetings

Unless otherwise explicitly stated, the meetings start at 09:00 (CET) the first day and end 16:00 (CET) the second day.

- Wednesday May 6th, 10:00 – 12:00, GoToMeeting;
- Wednesday June 3rd and Thursday June 4th in Energinet's offices in Erritsø (this meeting).
- Tuesday and Wednesday August 18th and 19th in Edisys offices in Oslo;

Minutes from NMEG meeting

- Tuesday and Wednesday October 27th and 28th in Svenska kraftnät's offices in Sundbyberg:
 - Incl. common ½ day meeting with eSett SLA group on Wednesday 28th.

NMEG CIM-XML subgroup GoToMeetings:

- Friday April 17th 10:00 – 11:30 (CET);
- Tuesday April 21st 10:00 – 11:30 (CET).

14 AOB

14.1 Format for publishing of MRAs by NOIS

Jon-Egil has informed NMEG that the NBM project has requested publishing of MRAs from NOIS and he suggests using the AreaConfiguration_MarketDocument for this. Jon-Egil has also distributed a NOIS change request and a proposal for a xml-document. Some clarification and items to agree:

1. In the example, the Area IDs for MRAs and BZs are 36-digit UUIDs, however Jon-Egil expect that NOIS can generate codes that are within 18 characters;
2. `<validityStart_DateAndOrTime.dateTime>` and `<validityEnd_DateAndOrTime.dateTime>` are in the example without seconds, however seconds are required in the document;
3. A colour code is sent in:

```
<areaCharacteristics_Domain.name>#000000</areaCharacteristics_Domain.name>
```

This is probably the best place to put the colour code without sending a MR to CIM EG;

4. We need a new `objectAggregation` code for Mutually Regulated Areas (MRA);

The document will be tested by NOIS and will at a later stage, if OK, be added to BRS for Master Data.

The following Object Aggregation Code was added to the NMEG Code List:

	Name	Description
Z02	Mutually Regulated Areas (MRA)	The object being described concerns Mutually Regulated Areas (MRA)

14.2 New codes for NBM

From Bent Atle:

Total Planned Flow

In the NBM work we have the need of a dedicated Business Code for Total Planned Flow.

All TSO's have to report all Planned Flows (DA, ID, mFRR, ASP, Ramping, Loop transit with more) to be displayed in a common graphical interface called FiftyOne, but as a part of these flows we need to get one that is a sum of all flows (currently named Total Planned Flow) .

We have considered using the business type code **A66** = Energy flow, but this is based on energy e.g. MWh and not power. We therefor apply for a new code for something like "sum of all flows" or "aggregated flow" the name can be up to you. Jan (SE) and Jon-Egil knows about this and I trust that you find an appropriate name in the next NMEG meeting.

Expected countertrade

We also need a dedicated Business Code for Expected countertrade.

Minutes from NMEG meeting

For borders with agreements regarding supportive power exchange the planned supportive power corrections should be shared.

It shall not necessarily be included in the planned flow, but to be used in the ACE OL calculation.

The following Object Aggregation Code was added to the NMEG Code List:

	Name	Description
Z88	Total planned flow	A time series concerning total planned flow of power between areas.
Z89	Expected countertrade	The planned supportive power corrections.

14.3 SvK need some more information from eSett

From Jan (SE):

We (Svenska kraftnät) need a message for timeseries per NEMO from eSett for our exchange over Swepol-link. Internally we only have netted values - only eSett has the values per NEMO.

We need the information to our settlement system. One question is which message type to use.

Jon-Egil informed that this information will be available from the MNA project, as a CIM based document. If the Swepol-link not is part of the MNA project, at least the same format should be used. This will be based on CIM.

Conclusion:

- Mika and Jan (SE) will investigate what is available and come back if any actions are needed from NMEG, such as new codes.

Appendix A Result from NMEG CIM-XML Subgroup

A.1 CIM based document for Aggregated Metered Production

A.1.1 CIM based document for Aggregated Metered Production contextual model

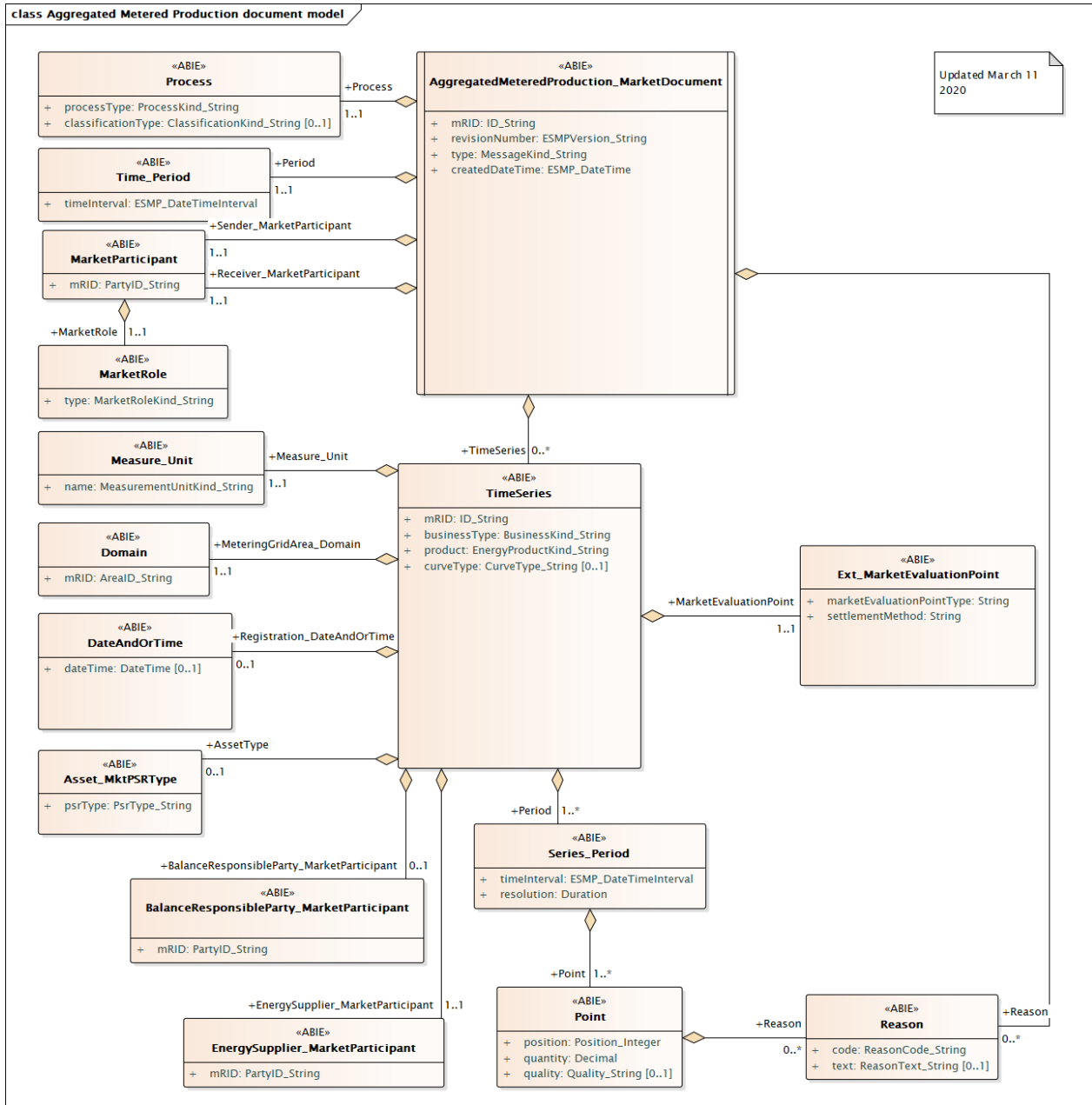


Figure 1: Class diagram: Aggregated Metered Production contextual model

A.1.2 CIM based document for Aggregated Metered Production assembly model

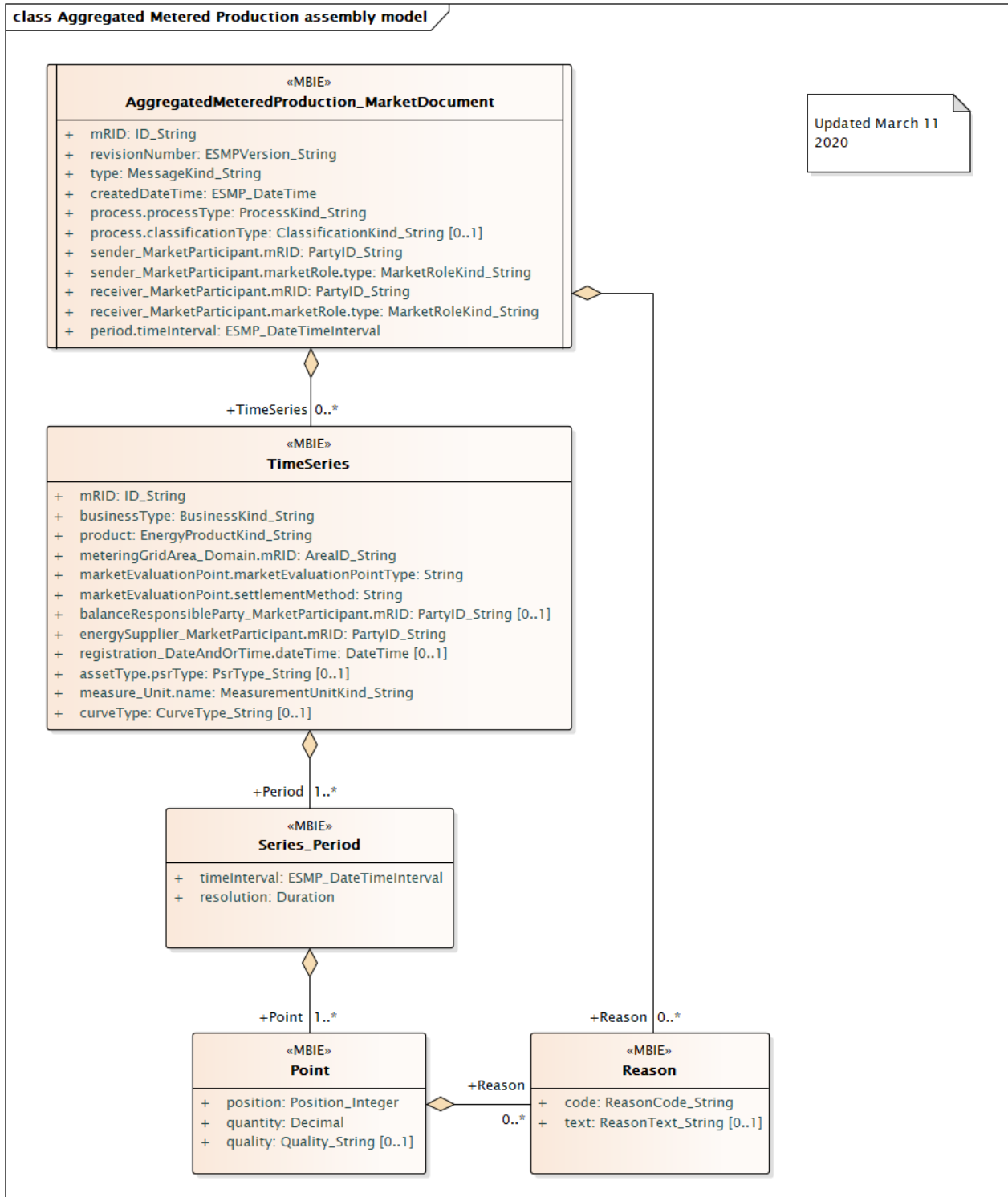


Figure 2: Class diagram: Aggregated Metered Production assembly model

Minutes from NMEG meeting

A.1.3 Comments and questions to Aggregated Metered Production

We are missing attributes in CIM for:

- Metering Point Type;
- Settlement Method;
- Production Type.

To be followed up:

- MR from ebIX® to WG16 ebIX® 2019/5 for addition of Settlement Method;
- MR from ebIX® to WG16 ebIX® 2019/3 for addition of Metering point Type;
- The MR NMEG/2020-01 to ebIX® for Regulation Type (Asset type, Technology type or other), Production Category (Production type) and Type of metered data (Business type).
- We will follow up that ebIX® verifies with WG16 if serviceCategory can be used instead of classificationType to differentiate between electricity and gas.
- We will follow up that ebIX® verifies if CEN/EECS Technology and/or Fuel Type codes should be used instead of Asset Type?

Comments:

- The attribute revisionNumber is added to be in line with ENTSO-E – not used in ebIX® documents today;
- The attribute process.processType is used for the ebIX® attribute “Business Reason Code”;
- The attributes sender_MarketParticipant.marketRole.type and receiver_MarketParticipant.marketRole.type is used instead of only one role in the ebIX® documents “Energy Business Process Role”;
- The attribute period.timeInterval is added to be in line with ENTSO-E – not used in ebIX® documents today.

A.2 CIM based document for Validated Data for Settlement for Aggregator

A.2.1 CIM based document for Validated Data for Settlement for Aggregator contextual model

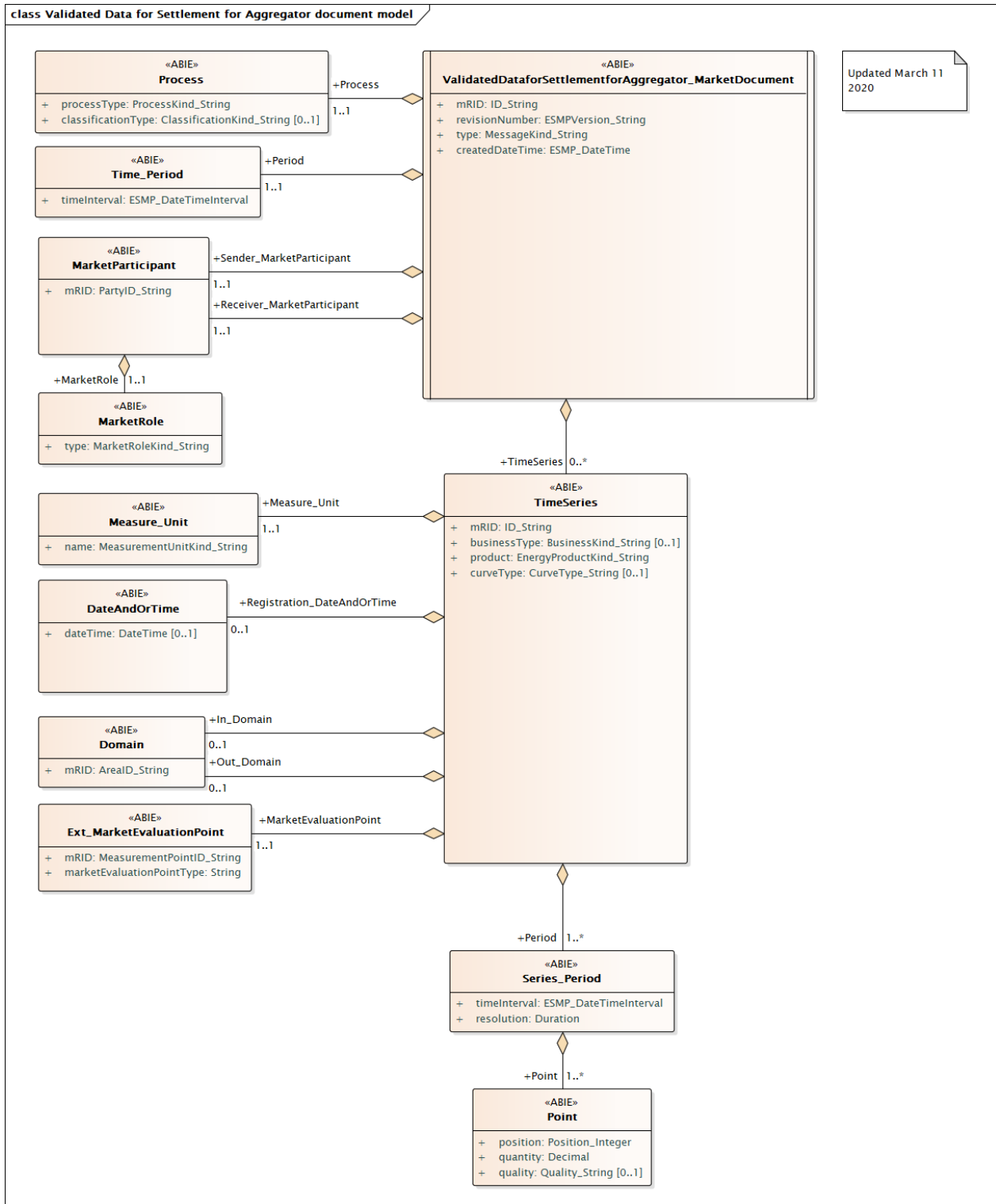


Figure 3: Class diagram: Validated Data for Settlement for Aggregator contextual model

A.2.2 CIM based document for Validated Data for Settlement for Aggregator assembly model

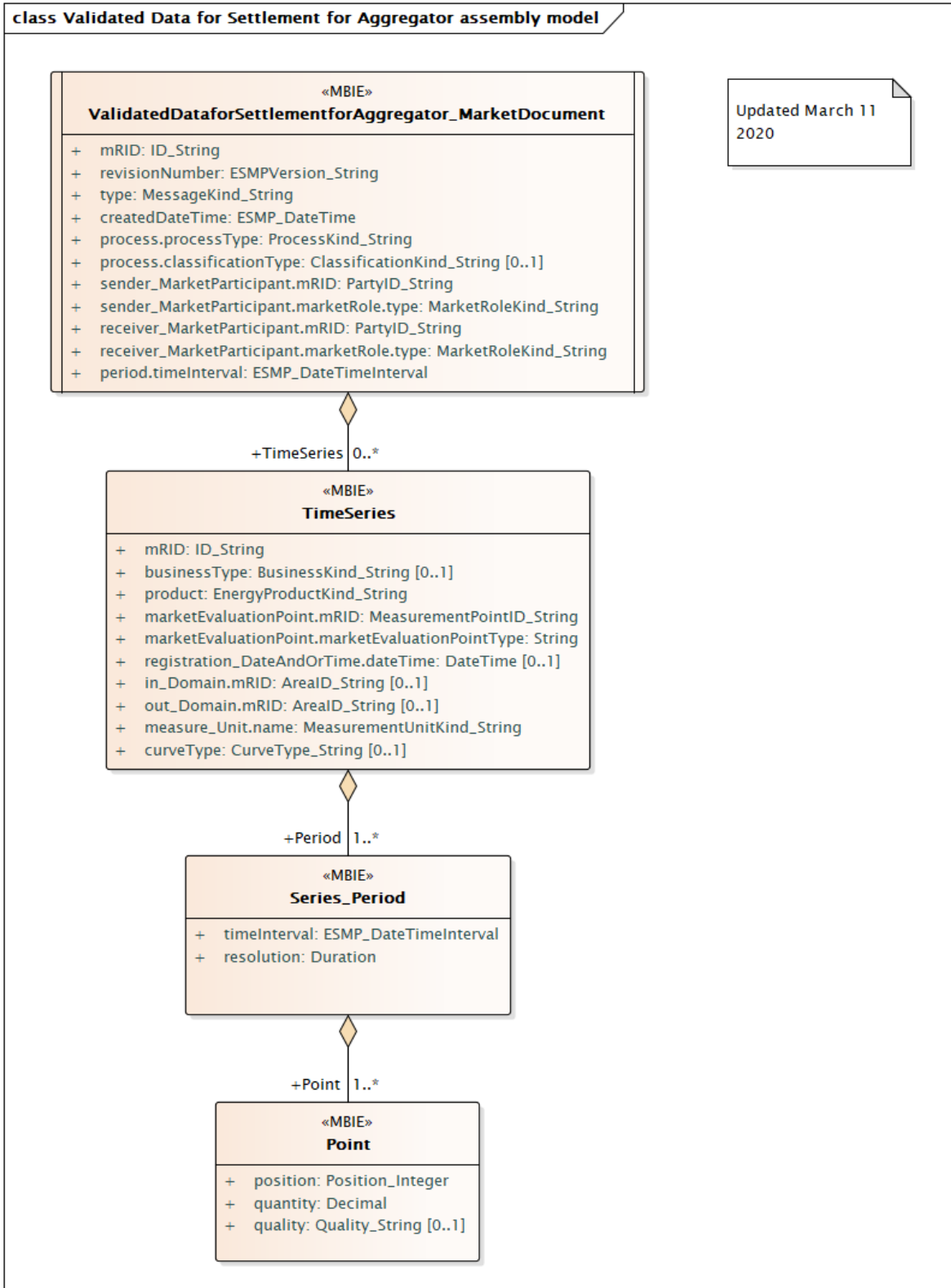


Figure 4: Class diagram: Validated Data for Settlement for Aggregator assembly model

Minutes from NMEG meeting

A.2.3 Comments and questions to Validated Data for Settlement for Aggregator

We are missing attributes in CIM for:

- Metering Point Type;

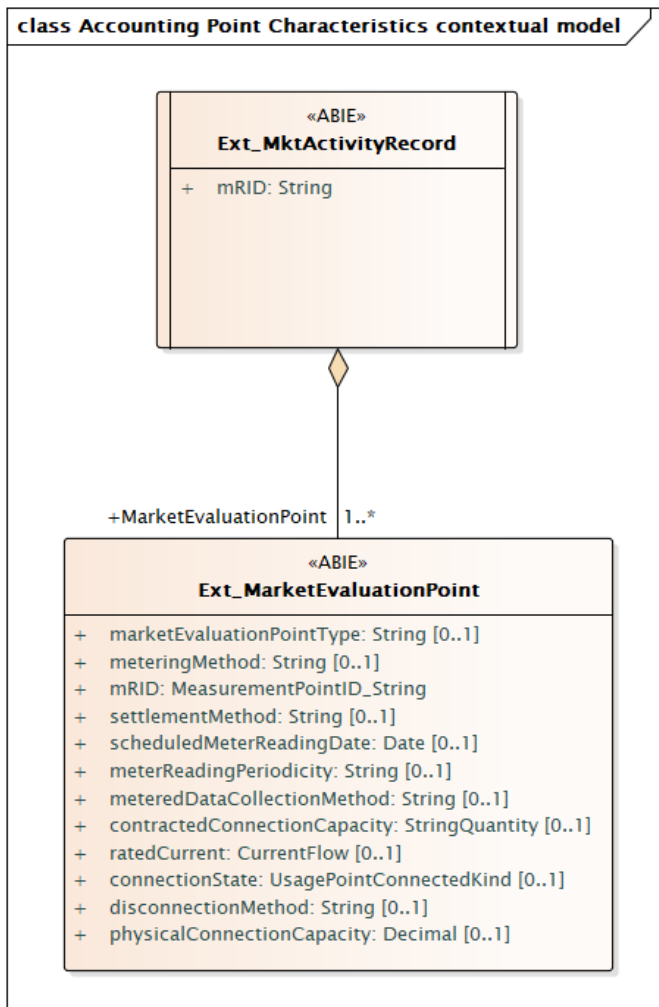
To be followed up:

- MR from ebIX® to WG16 ebIX® 2019/3 for addition of Metering point Type.

Comments:

- The attribute revisionNumber is added to be in line with ENTSO-E – not used in ebIX® documents today;
- The attribute process.processType is used for the ebIX® attribute “Business Reason Code”
- The attribute process.classificationType is intended to be used for the ebIX® attribute “Sector” (Electricity or Gas);
- The attributes sender_MarketParticipant.marketRole.type and receiver_MarketParticipant.marketRole.type is used instead of only one role in the ebIX® documents “Energy Business Process Role”;
- The attribute period.timeInterval is added to be in line with ENTSO-E – not used in ebIX® documents today;
- Business Type is currently optional– not used in ebIX® documents today;
- Quantity is required to be in line with ENTSO-E.

A.3 Accounting Point Characteristics contextual model



To be continued

Appendix B Localising ABIEs (Nordic/national ABIEs)

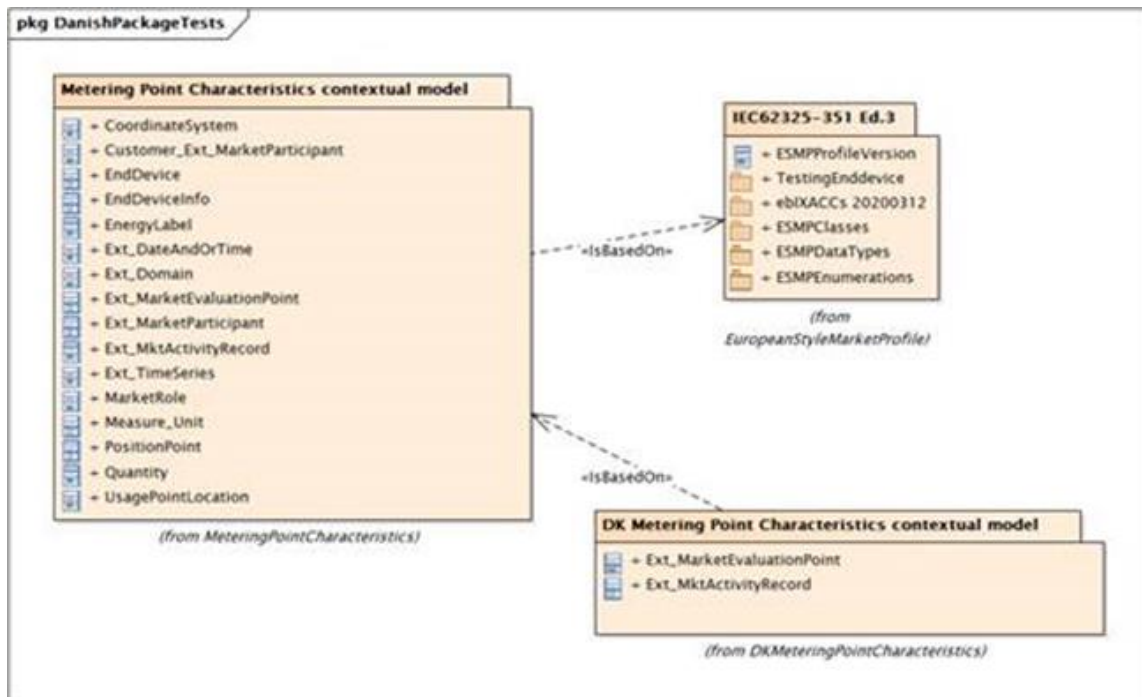
Jan (SE) think he has found a way of localising ABIEs. What I did was the following:

- 1) I created a (test) package to hold the Danish ABIEs
- 2) Within that I created a package for Metering point characteristics (could have called it Accounting point characteristics, but the name is not important)
- 3) Beside that I created a Package diagram, see below. It includes IEC62325-351, the ABIEs for Metering Point Characteristics from ebIX (i.e. the contextual model) and the Danish contextual model for the same characteristics.
- 4) Then I created a package for the contextual model and another for the assembly model within the package in 2)
- 5) In the contextual model I created a class diagram
- 6) I dragged the Ext_MarketEvaluationPoint ABIE from the ebIX package to this diagram. And did no change.
- 7) I dragged the Ext_MarketEvaluationPoint ABIE from the ebIX package to the same diagram. And did the few changes that we made at the meeting (i.e. not using all attributes)
- 8) I added an association between the classes using CIMContextor
- 9) After having used the "Attribute Order", I also made MBIEs using CIMContextor without problems J

So, then it should also be possible, I would say to do:

- a) Nordic extensions to CIM or to the ebIX package when needed
- b) Making a generic Nordic package with ABIEs based on the ebIX ABIEs
- c) Making a Danish package with ABIEs based on b).

I will now verify with Jean-Luc if he thinks this is the way you should/could do it.



Appendix C Overview of Nordic memberships in international standardisation bodies

Name	Member of
Anne Stine	NMEG, ebIX®
Bertil (SE)	EBG
Christian	NMEG, ebIX® observer (?)
Fedder	NMEG, CIM EG, IEC/WG16, CSSG, EEAT, ENTSO-E CIM tools, CIO/LIO
Jan (SE)	NMEG, HG, ebIX®, IEC/WG16+14
Jari	NMEG, CIM EG
Jon-Egil	NMEG, CIM EG, IEC/WG16, ESMP, CCC, CIO/LIO, TPC
Martin (SE)	CCC
Oscar	CIO/LIO, ebIX®, CIM EG
Ove	NMEG, HG, ebIX®, IEC/WG16
Svein (NO)	IEC/WG14+13, CGMES
Teemu	NMEG, CIM EG, EBG, ETC, CIO/LIO

Abbreviations:

CCC	Coordinated Capacity Calculation (project under CIM EG)
CGMES	Common Grid Model Exchange Standard (subgroup under CIM EG)
CIO/LIO	Central Issuing Office / Local Issuing Office
CSSG	Communication Standards (subgroup under CIM EG)
Dc	ENTSO-E Digital committee
EBG	ebIX® Business Group
EEAT	ENTSO-E Enterprise Architecture Team (subgroup under Dc)
ESMP	European Style Market Profile (subgroup under CIM EG)
ETC	ebIX® Technical Committee
HG	ebIX®, EFET and ENTSO-E Harmonisation Group
MC	ENTSO-E Market Committee
MIT	Market Integration and Transparency (subgroup under MC)
TPC	Transparency Platform Coordinators (subgroup under MIT)

Appendix D Overview of the usage of xml-schemas in the Nordic countries

#	XML schema	BRS	Version used by					
			NBS	NMA	Energinet	Fingrid	Statnett	Svk
1.	NEG ECAN publication document	NBS BRS for TSO/MO	1.0					
2.	NEG ERRP Reserve Allocation Result Document	a) NBS BRS for TSO/MO b) BRS for Trade	1.0					
3.	NEG Area Specification Document	a) NBS BRS for Master Data b) BRS for Trade	1.0 ¹	2.0 (CIM)				
4.	NEG Bilateral Trade Structure Document	NBS BRS for Master Data	1.0					
5.	NEG Party Master Data Document	NBS BRS for Master Data	1.0					
6.	NEG Resource Object Master Data Document	NBS BRS for Master Data	1.1					
7.	ENTSO-E Acknowledgement Document	NEG Common XML rules and ...	6.0					
8.	ENTSO-E ERRP Planned Resource Schedule Document	NBS BRS for TSO/MO	5.0					
9.	NEG ERRP Planned Resource Schedule Document	BRS for Schedules						
10.	ENTSO-E ERRP Resource Schedule Confirmation Report	BRS for Schedules	No NEG version					
11.	ENTSO-E ESS Anomaly Report	BRS for Schedules	No NEG version					
12.	ENTSO-E Outage document	BRS for Schedules	No NEG version					
13.	NEG ESP Energy Account Report Document	NBS BRS	1.0					
14.	ENTSO-E ESS Confirmation Report	NBS BRS	4.1					
15.	ENTSO-E ESS Schedule Document	a) NBS BRS b) NBS BRS for TSO/MO	4.1					
16.	ebIX® Aggregated Data per MGA for Settlement for Settlement Responsible	NBS BRS	2013pA					
17.	ebIX® Aggregated Data per Neighbouring Grid for Settlement for Settlement Responsible	NBS BRS	2013pA					
18.	ebIX® NEG Confirmation of Aggregated Data per Neighbouring Grid for ISR	NBS BRS	2013pA					
19.	ebIX® Validated Data for Settlement for Aggregator	NBS BRS	2013pA					
20.	NEG ECAN Allocation Result Document	BRS for Trade						
21.	NEG Currency Exchange Rate Document	BRS for Trade						
22.	NEG Auction Specification	BRS for Trade						
23.	NEG Spot Market Bid Document	BRS for Trade						
24.	ENTSO-E ERRP Reserve Bid Document	BRS for Trade						
25.	ENTSO-E ERRP Activation Document	BRS for Operate						

¹ The NBS version 1.0 is using dateTimeType for Validity Start/End (error correction), while the MO version 1.0 is using dateType. dateTimeType will be used from version 2.0.

