


Minutes: NMEG meeting Date: Tuesday and Wednesday March 3 rd and 4 th , 2020 Time: 09:00 –17:00 (18:00?) and 09:00 – 16:00 Place: Fingrid’s offices in Helsinki	 NMEG Nordic Market Expert Group
March 11 th , 2020	

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

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 B: Overview of Nordic memberships in international standardisation bodies
Appendix C: 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:

- ENTSO-E/Nordic codes for the codes used in QUOTES, see item 7.2;
- BRS for Nordic trading system, see item 7.3;
- Should we add a picture at the front page of www.ediel.org? See item 14.1 under AOB.

2 Approval of previous meeting minutes

The minutes from previous meeting were approved after correction of some spelling errors.

3 Common meeting between eSett and NMEG

Background: eSett has clear instructions from eSett-TSO SLA group (TSOs that are ordering services from us and paying them) to avoid any unnecessary changes during the coming years. Our future is full of market development changes, to mention the biggest ones (there are smaller developments also):

- NMA change in March 2019
- ECP adaptation in March 2019
- Denmark integration in January 2021
- Single Balance model in Q2 2021
- Balance Service Provider Model Q2 2021
- Finnish Datahub Q1/2022
- Swedish Datahub H2/2022
- 15 min settlement H1/2023

All these changes are big change to eSett, and they are due to mandatory market development. Hence eSett appreciate if there are no additional tasks that are not necessarily needed today to avoid unnecessary complexity. Therefore, eSett asks to freeze any developments that are not mandatory in market messaging area. Also, eSett would like to keep the AREA structure dataflows as they are implemented today and not to introduce any changes to them. This opinion is supported by the eSett-TSO SLA Group.

References (links): None.

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

In addition to the NMEG participants, the following participated from the eSett SLA group and the eSett expert group:

Birger Fält, Svenska kraftnät
Jani Pipponen, Fingrid
Kristian Bernseter, Statnett
Minnakaisa Ahonen, eSett
Preben Høy Larsen, Energinet
Robert Thelander, Svenska kraftnät
Tuomas Lahti, eSett

eSett had taken the initiative to the common meeting between the eSett SLA group, eSett expert group and NMEG. The intention was to get a better grip on the different groups working together with eSett and harmonising the way forward (strategies).

Minnakaisa and Robert presented the eSett organisation.

Minnakaisa presented the eSett roadmap.

Jon-Egil presented the NMEG roadmap.

Minnakaisa asked if it exist something like a “MADES for dummies” document?

- Overview of MADES, ECP and EDX;
- What steps must an actor conduct to implement ECP and/or EDX;
- Contact persons for each Nordic country.

All the TSOs has made documentation for how to implement MADES in their country. NMEG should make a common introduction to these documents.

During the presentations and related discussions, NMEG got answers to the following open questions:

1. Making a roadmap for migration to CIM based message formats for eSett.

Status:

- Denmark will start using the current documents and migrate to CIM at a later stage;
- The NMEG CIM XML group will continue making CIM based XML schemas available.

2. What to do with the NBS BRS for Master Data:

- CIM EG has issued new official Document Type and Process Type codes that have been replaced with the old ones in the latest version of the BRS (2.0.A). However, this version of the BRS has not been published.

Conclusion:

- We postpone publication of the updated BRS until eSett find the time to migrate to the new version;
- NMEG has also updated the related xml schemas with new Document Type and Process Type codes (both old and new Document Type and Process Type codes are valid). The new xml schemas have been published together with the old.

Conclusion:

- We keep the updated XML schemas at www.ediel.org.

3. Governance of EDX/ECP:

Status:

- This is expected to be the outcome of the workshop next week. Maybe handled by a sub-group under NMEG.

It was agreed to have a next common meeting Wednesday October 28th at Svenska kraftnät’s offices in Sundbyberg.

Item closed.

4 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 NMEG framework for governance of EDX/ECP will be based on the outcome of the workshop next week, hence postponed until next meeting. However, it was proposed at the common meeting between eSett and NMEG (see item above) to make a “MADES for dummies” document.

Action:

- 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.

5 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 after approval of several MRs related to the BRS.

Fedder had asked what resolution to be used when sending data for a period. A period may be a day, a week, a year or something in between and the resolution may be of minutes, hours, days etc., e.g. P1D, PT23H, PT24H, PT25H, a number of minutes or a number of months. A proposal, to make it general, is to always use a number of minutes.

The BRS was reviewed and updated with a few new codes. The BRS will not be published before more mature.

Action:

- Jon-Egil will verify with the NorCap project what resolution to use;
- Ove will clean up the BRS for NorCap and upload it to the NMEG eRoom.

6 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.

7 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.

7.1 XML specification for FFR services

- The following definitions of Business Types were drafted:

Z84	Inertia	A time series concerning the ability of the kinetic energy stored in the rotating masses in the electricity system to resist changes in frequency.
Z85	FFR	A time series concerning the Fast Frequency Reserve (FFR), a power response activated within about one second when the system frequency drops below a certain level.

- The following Business Types were added:

Z86	Frequency nadir	A time series concerning the expected lowest value of the frequency, after a disturbance.
Z87	Reference incident	A time series concerning the expected maximum incident size in MW.

- The following Process Type was added:

Z14	Fast Frequency Reserve (FFR) Process	The process of exchanging information regarding the Fast Frequency Reserve (FFR).
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We will decide at the next meeting if we will make MRs for these codes and if the document will be added to the BRS for Schedules.

From Mikko:

We would like to exchange timeseries data (hourly values) of f_nadir (forecasted frequency minimum in Hz) and reference incident (expected maximum incident size in MW) just like we are planning to do with the forecasted FFR volumes.

It would be good to have these in place also, but it's not a must. FFR volumes is a must have.

The following Business Types were added to the specification:

Z86 Frequency nadir

Z87 Reference incident

During evening of the first day, Ove cleaned up the specification, incl. adding the new definitions in the introduction and sent it to Mikko Kuivaniemi Mikko.Kuivaniemi@fingrid.fi and Simon Weizenegger simon.weizenegger@statnett.no, for verification.

Mikko responded that "it looks like we have now everything needed with respect to the XML specification in order to exchange the forecast data".

In addition, Mikko think it would be good to also agree on a Nordic level on the codes used in the reserve market documents sent between the BSP and the TSO (bids, auction results). Mikko will check with the person at Fingrid working with these to specify what codes are missing and then let us know.

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

From Jan:

Svenska kraftnät plan to implement electronic call-offs for mFRR bids and there may be a need to be able to distinguish between “effektreserven” (power reserve) and “störningsreserven” (interference reserve).

In the QUOTES guide, there are seven different codes in the UNH segment that indicate types of bids, see page 28 <https://ediel.org/wp-content/uploads/2019/02/QUOTES-v3r3B-20181206.pdf>. In bids to Svenska kraftnät the following codes are used:

- For aFRR bids, "A";
- For FCR bids, "F";
- For mFRR bids are specified "R" for regular bids for the balance regulation.

See <https://www.ediel.se/Portal/Document/2707>, page 10

What are the similarities in ENTSO-E codes? And in particular, the three latter. A general code should be specified as Process Type (A30 = Tertiary reserve process for mFRR). But what should be stated as Business Type (the three variants of mFRR should probably be Business Types)? I think we may have noticed this when we updated the QUOTES guide with the three codes.

When switching from QUOTES to XML, this should have been solved. But if it takes until April 2022 before IEC 62325-451-7 is ready, it might also be that we wait until then before we switch to XML for mFRR (and other bids).

Conclusion:

- Process types should be used for the seven codes in UNH in QUOTES.:
 - Use Process type “A58 Reserve option market” for "L" (“effektreserven”)
 - We probably need a new Process type for “D” for bids for what we call the “störningsreserven” (Disturbance reserve)

Making a MR will be put on the next NMEG agenda.

Action:

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

7.3 BRS for Nordic trading system

Ove commented that here was an update note related to the Ediel Currency Exchange Rate Document version 2.0 in the BRS, i.e. “Make Reason class [0..1] and remove Reason.text”. It was agreed that this only apply for the table in the BRS and not for the class diagram and the XML schema.

It was also agreed to publish the Ediel Market Operator Configuration Document as a separate document at www.ediel.org, at the bottom of the BRS list. Named “Ediel Market Operator Configuration Document (MO calendar document)”.

Action:

- Ove will update BRS for Nordic trading system, send it for 14 days of commenting to NMEG and publish it;

- Ove will publish the Ediel Market Operator Configuration Document as a separate document at www.ediel.org, at the bottom of the BRS list, named “Ediel Market Operator Configuration Document (MO calendar document)”.

Item closed.

8 Status for MRs to ENTSO-E

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

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

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

Ove had as action updated and upload the latest MR status document to [Statnett eRoom](#).

Status for:

- NMEG 2019/170: New Process Type Code “**Z05** Bilateral Trade” to be used in the NBS BRS (ESS).

Status:

- On the agenda for next CIM EG, hence postponed until next meeting.

The NBS BRS for TSO-MO was reviewed and the Ediel ERRP Reserve Allocation Result Document was updated:

- Removed Reason codes that has a one-to-one relation to a Business Type;
- Replaced all Nordic Business Type codes with official ENTSO-E Business Type codes;
- Replaced Process Types with updated ENTSO-E Process Type codes.

The BRS will not be published before agreed by eSett.

Action:

- All 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

9 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 are needed:
- 1) Jan and Tage will check the dependency matrix for ESS schedule document and ESS confirmation report, chapter 7.1 and 7.3.
 - 2) Tage, Jan 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.
 - 6) Add “Memo - XML specification for FFR services”.

What to decide, discuss or inform: Review of BRS.

Action:

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

10 XML schemas (to remember item)

- Background:** The NMEG set of schemas, including extended table with TSO columns, are shown in Appendix C.
- References (links):**
- Action(s):** Sometime in the future, everyone will be 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.

11 Making a common Nordic downstream market BRS based on CIM, for exchange of metered data

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, with the following priorities:

- a) NBS ebIX® based documents;
- b) NBS documents based on older ENTSO-E schemas;
- c) NBS master data documents.

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

References (links):

What to decide,

discuss or inform: Status.

Actions:

- The NMEG CIM-XML Subgroup will add the “ebIX® Extension packages” to the used CIM model after verification by WG16/Jean-Luc;
Status:
 - Done.
- The NMEG CIM-XML Subgroup will verify with WG16 if classificationType is the correct place to differentiate between electricity and gas;
Status:
 - The classificationType is NOT the correct place to differentiate between electricity and gas, hence Jan/Teemu/Ove will bring the question to ETC.
- Make Quantity required [1] in Validated Data for Settlement for Aggregator.
Status:
 - Done.
- Ove will make a MR to ebIX® for addition of Technology (currently using Asset Type), Production Type, Business Type and Energy Supplier, to the document Aggregate Data per MGA. Production Type is used by Finland and Norway.
Status:
 - Ove had made a set of draft MRs, see below.

Action items from earlier meetings were gone through during a GoToMeeting February 17th, see 0.

The MRs Ove had made was merged into one MR: **NMEG/2020-01** to ebIX®. The MR contains addition of attributes to the document Aggregated Data per MGA for Settlement for Settlement Responsible. The MR will be forwarded to ebIX® EBG.

Energy supplier is already an attribute in the ebIX® document, with a note “only used in Nordic market”.

Jan had distributed three updated XMI files with the current ebIX® extensions to CIM, i.e. updated with the change of moving the MarketEvaluationPointCharacteristics-attributes into an extended MarketEvaluationPoint-class. Jan informed that importing them into the basic CIM model seems to work. However, there might be some lost associations still to be removed.

After the California meeting, we should expect some new changes. I.e. some MRs accepted, others accepted after some update, and some others to be further discussed. And some new MRs to be added after our next ETC meeting.

Jon-Egil stressed that we cannot use the CIM element Classification Type for the ebIX® attribute Energy Industry Classification Type (Electricity or Gas) – the CIM attribute is used for detail and summary. An option is using the Service Category, but it is connected to the Usage Point, hence probably too “low” in the hierarchy (we would like the attribute to be on header level – to be used for routing purposes).

The following tasks will be given priority in the NMEG CIM-XML Subgroup:

1. Update the NMEG model with the latest ebIX® extension
2. Make a road map for making CIM documents for the Danish Datahub version 3.0
3. Continue with NBS documents.

New GoToMeeting were agreed, see item 13, Next meetings.

Action:

- Jan/Teemu/Ove will bring the following question to ETC: Where to put the ebIX® attribute Energy Industry Classification Type (Electricity or Gas)?
- Ove will forward the MR NMEG/2020-01 to EBG.

12 Information (if any)

Energinet has decided to start developing Datahub version 3 (currently version 2 is running). It will probably be developed by Energinet and not CGI, who has built the current hub. The current timeline is three years of development.

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.

- Thursday April 16th 09:00 – 10:00 (CET), GoToMeeting;
- Wednesday June 3rd and Thursday June 4th in Energinet’s offices in Erritsø.
- Tuesday and Wednesday August 18th and 19th in Edisys offices in Oslo;
- 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:

- Wednesday March 11th 12:00 – 13:30 (CET);
- Thursday March 19th 12:00 – 13:30 (CET);
- Friday April 4th 10:00 – 11:30 (CET).

14 AOB

14.1 Should we add a picture at the front page of www.ediel.org?

The answer was: Yes.

Actions:

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

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

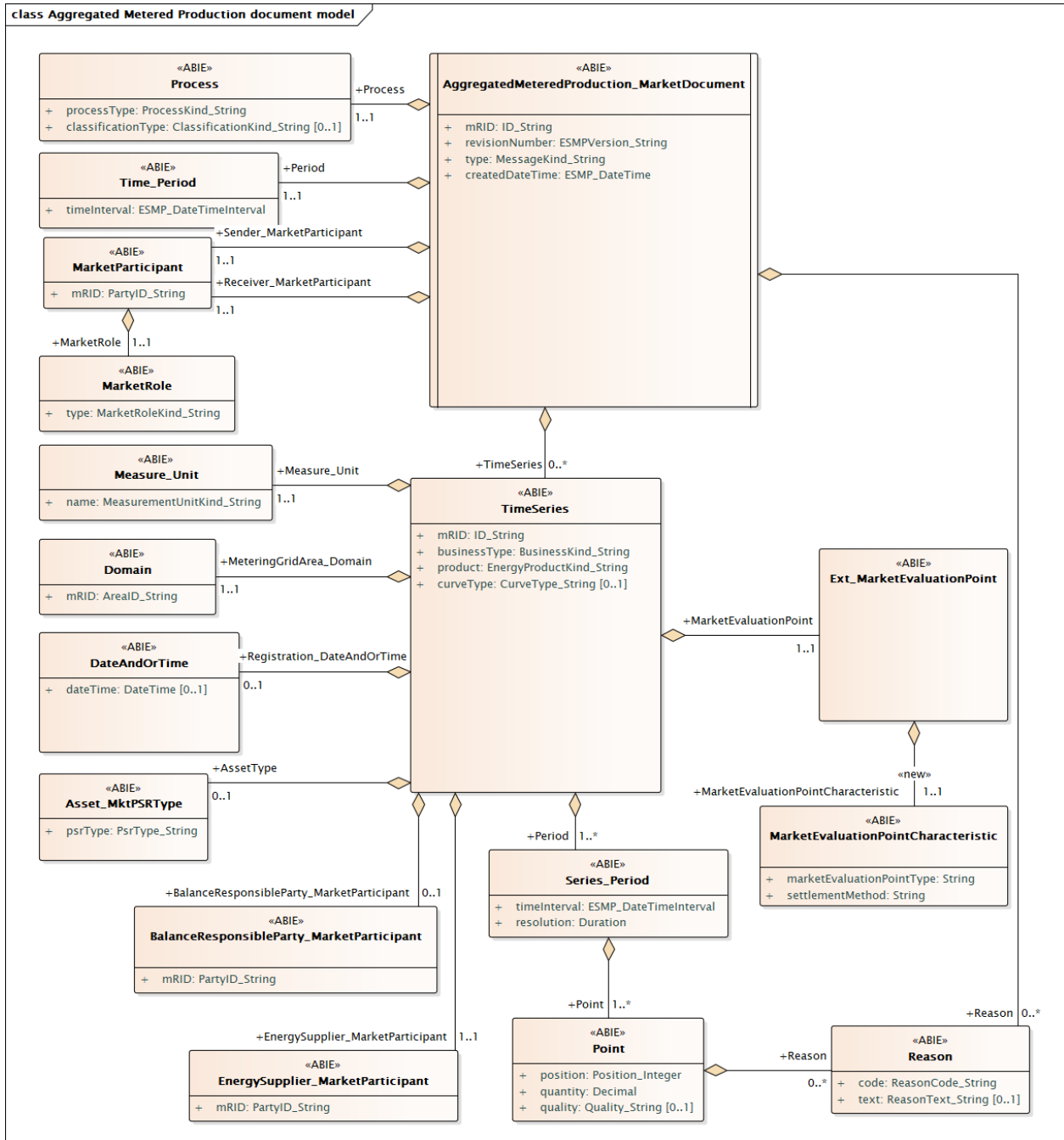


Figure 1: Class diagram: Aggregated Metered Production contextual model

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

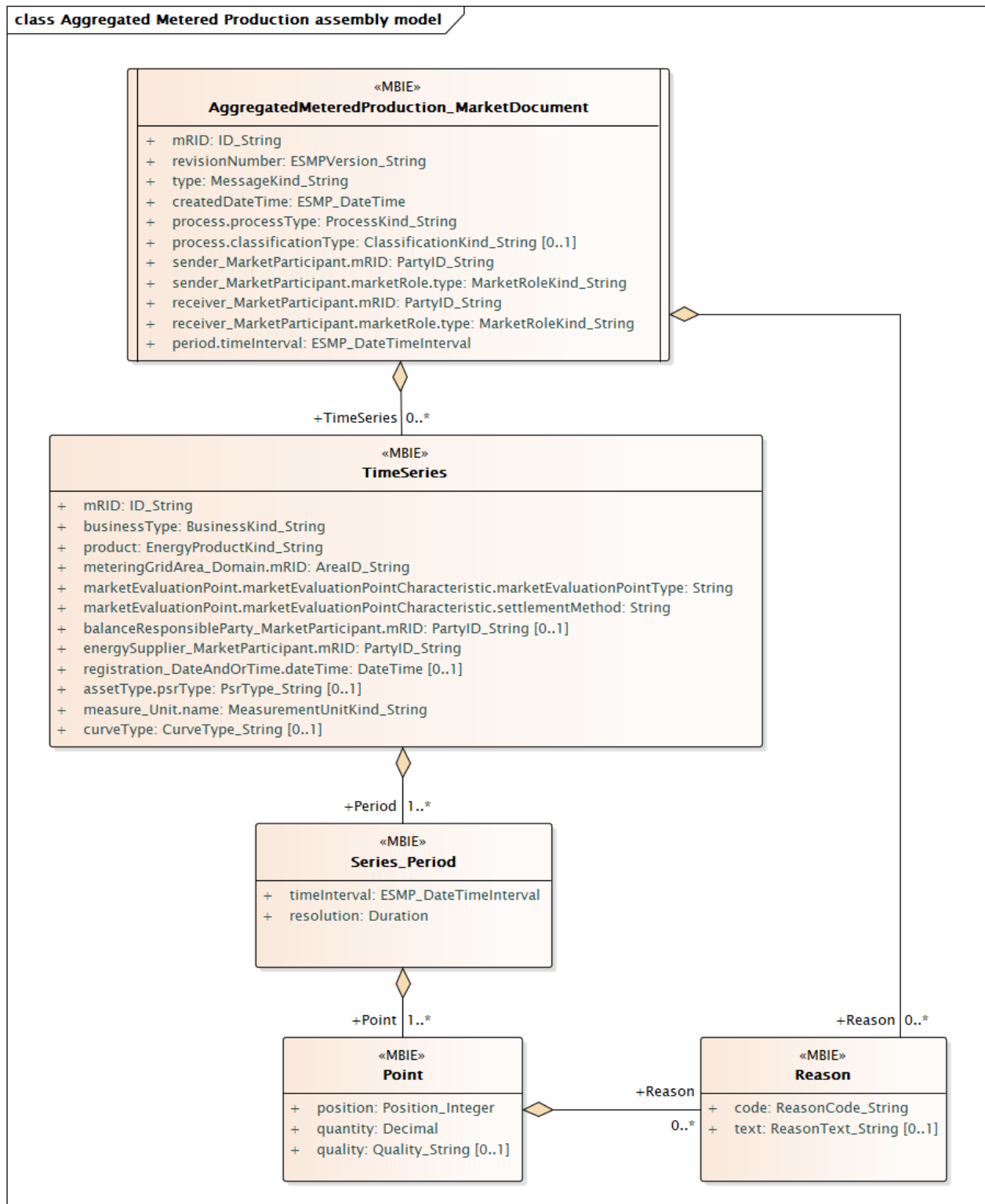


Figure 2: Class diagram: Aggregated Metered Production assembly model

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

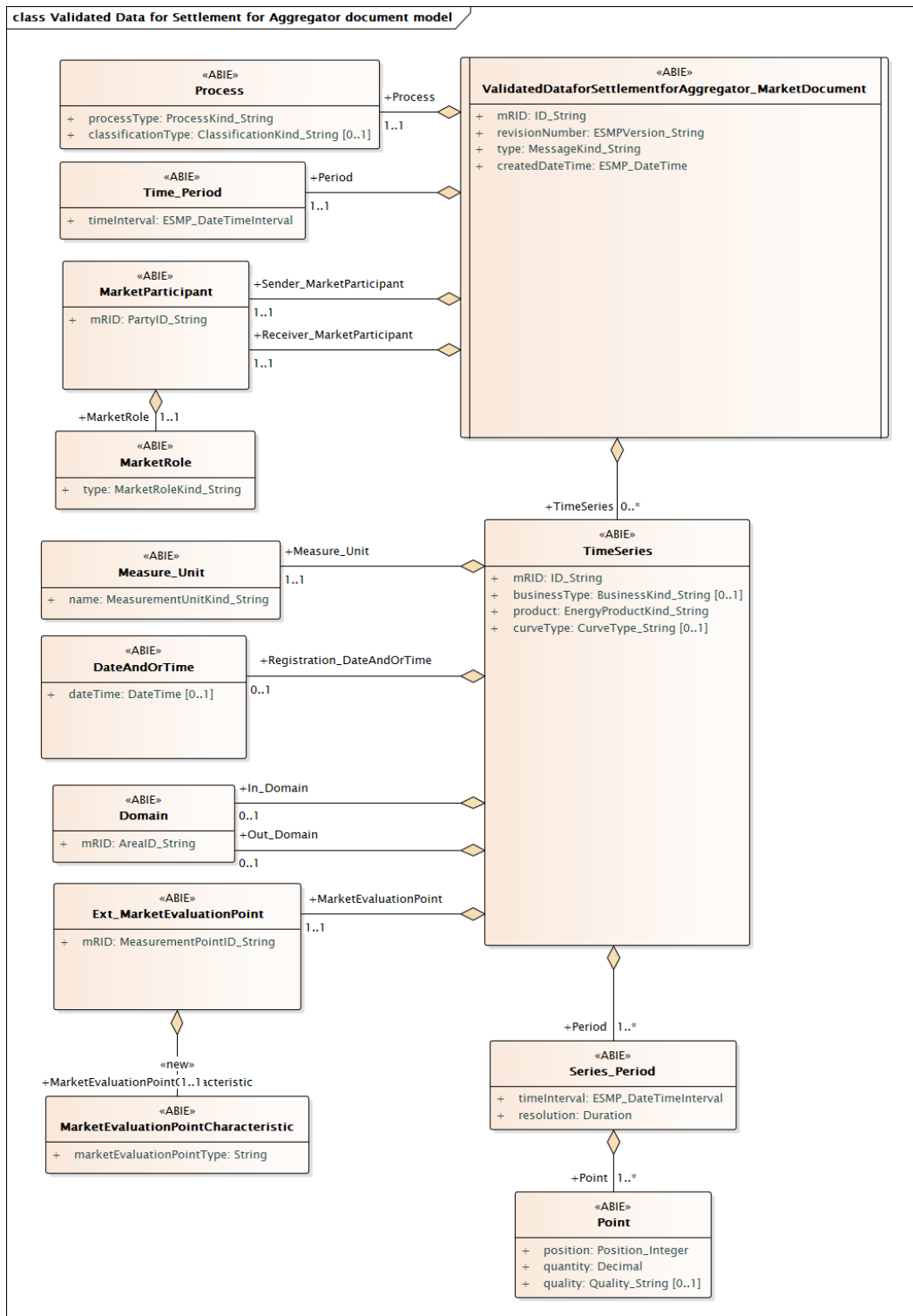


Figure 3: Class diagram: Validated Data for Settlement for Aggregator contextual model

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

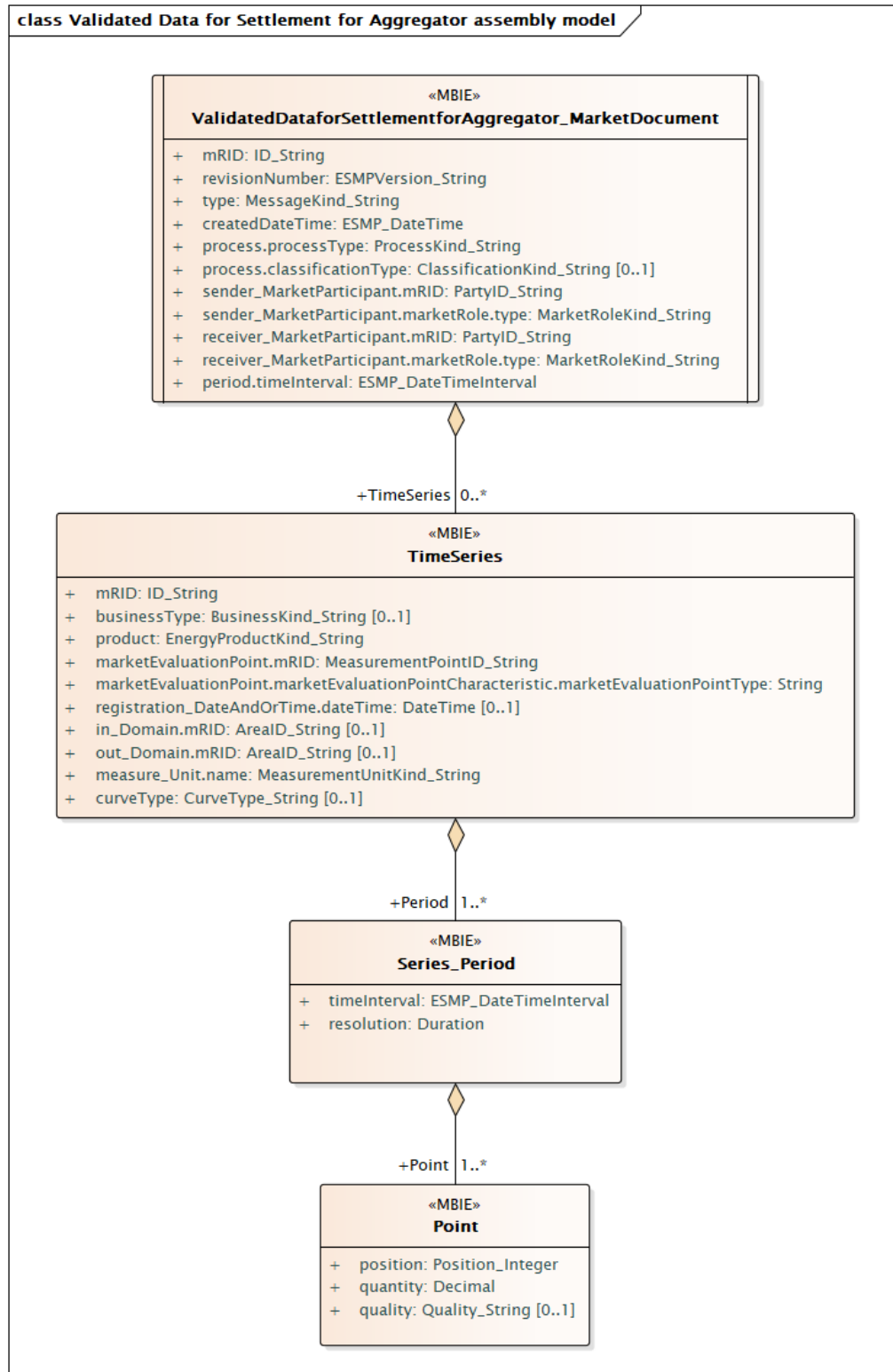


Figure 4: Class diagram: Validated Data for Settlement for Aggregator assembly model

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.

Appendix B 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	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 C 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.