

Minutes: NMEG meeting Date: Tuesday April 11 th , 2023 Time: 13:00 – 15:00 Place: GoToMeeting April 13 th , 2023	 Nordic Market Expert Group
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Present: Bent Atle, Statnett (NBM)
 Christian, Energinet
 Jan (DK), Energinet
 Jan (SE), Svenska kraftnät
 Jon-Egil, Statnett (Convenor)
 Ove, Edisys (Secretary)
 Søren, Nordic RCC
 Teemu, Fingrid

To (NMEG): Anne Stine, Elhub
 Christian, Energinet
 Jan (DK), Energinet
 Jan (SE), Svenska kraftnät
 Jon-Egil, Statnett (Convenor)
 Miika, Fingrid
 Ove, Edisys (Secretary)
 Pamina, Energinet
 Teemu, Fingrid

CC: Bent Atle, Statnett (NBM)
 Fedder, Energinet
 Fredrik, Fingrid
 Hans Erik, Elhub
 Mario, Elhub
 Tage, Energinet

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

Appendix A: Overview of Nordic memberships in international standardisation bodies

Appendix B: 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:

- CIM version of ebIX® document: “Characteristics of a Customer at an Accounting Point”, see item 5.2.
- Security notes for Ediel.org, see item 16.1 under AOB.
- Intraday Auctions (IDA) and Ediel ECAN Publication Document (in NBS-BRS for TSO-MO), see item 16.2 under AOB.

2 Approval of previous meeting minutes

The previous meeting minutes were approved after correction of some spelling errors found by Jan (SE).

3 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.

References (links):

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

Jon-Egil informed that NEX currently is reporting to NMEG again.

NEX will be working together with NBM on making a roadmap on how to improve ECP communication, including looking at the application itself, procedures, network, etc.

4 Nordic RCC

Background: The Nordic RCC is working on TSO data exchange regarding Long-term Capacity Calculation process and need changes to ESMP and CIM.

References (links): None.

What to decide, discuss or inform: Update of ESMP and CIM based on Nordic RCC needs.

Noting new reported.

5 Support to the NBM project – prioritised item

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

5.1 Update of NMEG BRSs based on NBM input

5.1.1 [Review of updates \(comments\) in BRS for Operate](#)

The item was postponed until next physical meeting.

5.1.2 [Review of updates \(comments\) in BRS for Determine transfer capacity](#)

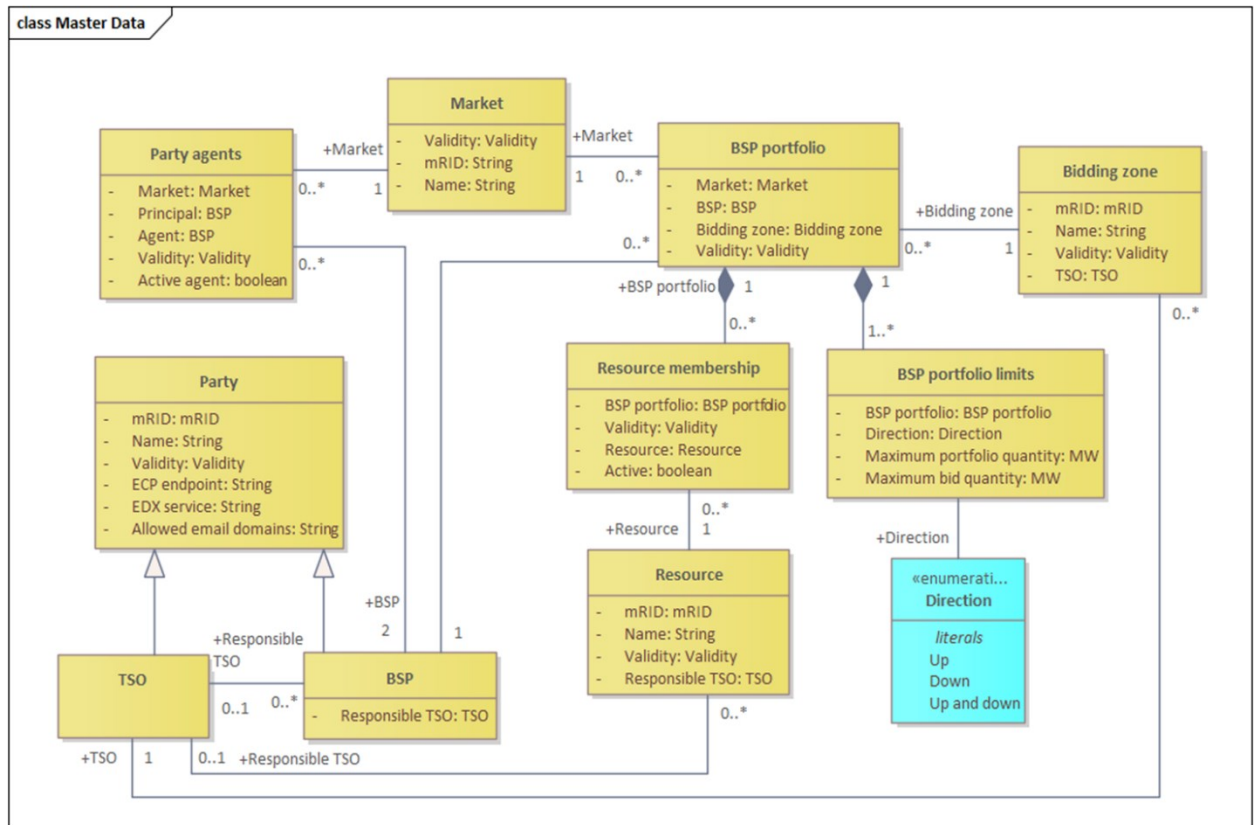
The item was postponed until next physical meeting.

5.2 CIM version of ebIX® document: "Characteristics of a Customer at an Accounting Point"

Bent Atle had asked if NMEG could make a CIM party master data document, maybe based of the ebIX® document: "Characteristics of a Customer at an Accounting Point", however with a set of extensions.

The party information will be exchanged from the old fifty system to the Nordic Market Management System (Nordic MMS).

Bent Atle showed a class diagram with the party master data drafted by Unicorn:



Based on the review of the class diagram above, Jon-Egil suggested extending the master data documents found in the NBS master data BRS instead, i.e. NEG Party Master Data Document, Ediel (NEG) Resource (Production Unit) Master Data Document and Ediel Request/Notify Trade Structure Document.

It was agreed that the NMEG CIM-XML Subgroup should come up with a proposal that can be reviewed at the next physical meeting in Helsinki.

Action:

- Ove will make a Doodle for a meeting in the CIM XML subgroup for drafting a proposal for master CIM data documents for NBM.

6 Status for MRs to ENTSO-E

Background: NMEG has sent several Maintenance Requests (MR) to ENTSO-E, ebIX® and IEC during the last years and these needs to be followed up by NMEG.

References (links): The MRs can be downloaded from Statnett’s eRoom.

What to decide, discuss or inform: Review and update of statuses in NMEG MR Overview document.

Status:

MR #		Status
<p>NMEG 2022/197</p>	<p>Add new Asset type codes (update 20230222):</p> <p>Commercial operational load (A resource using commercial operational load, such as heat pumps in office buildings, air conditioning, cooling devices).</p> <p>Electric vehicle battery (A resource using electric vehicle batteries, commercial and private. The reason for separating vehicle batteries and non-vehicle batteries is that the vehicle batteries not necessarily is connected to the charger at all times).</p> <p>Private heat pumps (A resource using private heat pumps. It is assumed that private heat pump customers will get paid directly, hence has a higher probability to lower the usage than commercial customers).</p> <p>Reserve power (A resource having an alternative power source).</p> <p>Cogeneration (Combined Heat and Power) (A resource using cogeneration, combined heat and power).</p> <p>Commercial load (industry) (A resource using commercial load (industry)).</p>	<p>20220304:</p> <ul style="list-style-type: none"> Postponed since Jan (SE) was sick. <p>20220602:</p> <ul style="list-style-type: none"> Action: Jan (SE) will verify if the still is OK. If yes, Jon-Egil will submit the MR to CIM WG. <p>20220823:</p> <ul style="list-style-type: none"> MR sent from Ove to Jon-Egil August 26th for forwarding to CIM WG. <p>20221006:</p> <ul style="list-style-type: none"> Jon-Egil will verify the MR is sent. <p>20230124:</p> <ul style="list-style-type: none"> The MR is sent. However the MR was rejected, since these are not technology codes <p>20230222:</p> <ul style="list-style-type: none"> The codes are used in Sweden for flexibility services for Resources. The “aggregation information” must be handled by using the Object Aggregation attribute, such as MGA, BZ, SA or Resource type. The latter must be combined with an Asset type (PSR type). Action: Ove will make a new MR for new Asset types (PSR types), see names and definition for the new codes to the left. <p>20230308:</p> <ul style="list-style-type: none"> Sent to Jan (SE) and Jon-Egil for QA as a new MR 2021/208 before submission to CIM WG. <p>20230411:</p> <ul style="list-style-type: none"> MR closed, see new MR 2023/208.
<p>NMEG 2022/201</p>	<p>Rename Asset Type B25 to “B25 Permanent energy storage”</p>	<p>20220321:</p> <ul style="list-style-type: none"> Sent to Jon-Egil for forwarding to CIM WG <p>20220823:</p> <ul style="list-style-type: none"> Forwarded to WG16, proposed having permanent and temporary as separate codes in PSRType. <p>20221006:</p> <ul style="list-style-type: none"> Ongoing <p>20230124:</p> <ul style="list-style-type: none"> Still ongoing <p>20230222:</p> <ul style="list-style-type: none"> Action: Jon-Egil will ask Alvaro for a status. <p>20230411:</p> <ul style="list-style-type: none"> Continued action: Jon-Egil will ask Alvaro for a status.
<p>NMEG 2022/202</p>	<p>Add Asset Type “B?? Temporary energy storage”.</p>	<p>20220321:</p> <ul style="list-style-type: none"> Sent to Jon-Egil for forwarding to CIM WG <p>20220823:</p> <ul style="list-style-type: none"> Forwarded to WG16, proposed having permanent and temporary as separate codes in PSRType

MR #		Status
		<p>20221006:</p> <ul style="list-style-type: none"> • Ongoing <p>20230124:</p> <ul style="list-style-type: none"> • Still ongoing <p>20230222:</p> <ul style="list-style-type: none"> • Action: Jon-Egil will ask Alvaro for a status. <p>20230411:</p> <ul style="list-style-type: none"> • The MR was revied and updated. • Action: Jon-Egil will re-submit the MR to CIM WG.
NMEG 2022/205 (CIM WG)	Addition of a Category attribute to TimeSeries in IEC62325 and ESMP	<p>20220907:</p> <ul style="list-style-type: none"> • Forwarded by Ove to Jon-Egil for submission to CIM WG <p>20221006:</p> <ul style="list-style-type: none"> • Ongoing <p>20221031:</p> <ul style="list-style-type: none"> • The MR is awaiting approval in the ENTSO-E ESMP SG before it is sent to CIM EG, hence it will probably still take a few weeks before it is handled <p>20230124:</p> <ul style="list-style-type: none"> • Not agreed – Jon-Egil, Jan (SE) and Alvaro will draft a new proposal. • To be continued <p>20230222:</p> <ul style="list-style-type: none"> • Ongoing <p>20230411:</p> <ul style="list-style-type: none"> • Ongoing
NMEG 2023/206 (CIM WG)	Change version number for documents where Measure_unit is used in ESMP	<p>20230126:</p> <ul style="list-style-type: none"> • Sent to Jan (SE), Bent Atle and Jon-Egil for QA before submission to CIM WG. <p>20230222:</p> <ul style="list-style-type: none"> • Ongoing <p>20230411:</p> <ul style="list-style-type: none"> • The MR was revied and updated. • Action: Jon-Egil will submit the MR to CIM WG.
NMEG 2023/207 (CIM WG)	Add version number to the class diagrams in ESMP	<p>20230126:</p> <ul style="list-style-type: none"> • Sent to Jan (SE), Bent Atle and Jon-Egil for QA before submission to CIM WG. <p>20230411:</p> <ul style="list-style-type: none"> • The MR was revied and updated. • Action: Jon-Egil will submit the MR to CIM WG.
NMEG 2023/208 (CIM WG)	Add New Asset types (psrTypes) - based on rejected MR 197.	<p>20230308:</p> <ul style="list-style-type: none"> • Sent to Jan (SE) and Jon-Egil for QA before submission to CIM WG. <p>20230411:</p> <ul style="list-style-type: none"> • The MR was revied without any changes. • Action: Jon-Egil will submit the MR to CIM WG.

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 Exchange of settlement information between the Nordic TSOs – prioritised item

Background: Svenska kraftnät is using an older ebIX® based xml document towards two TSOs and plan using a newer ebIX® and CIM based document towards a third TSO. The codes used for the two older xml exchanges are ebIX® codes, while the third TSO wants to use ENTSO-E codes.

An alternative is using the EAR (Energy Account Report) document, which among others is used between Energinet and TenneT and expect it to be used for the Viking-link.

References (links): None.

What to decide, discuss or inform: Assuming we (the Nordic countries) will use EAR (in a CIM version) for most of our exchanges of settlement information between the TSOs, can we agree upon some common codes and usages of that message, instead of having bilateral agreements? And since eSett also is using that message (a namespaced version of the ENTSO-E ESP Energy Account Report version 1.2) it would be relevant to get input from eSett regarding their possible updates and change to CIM.

Bilateral discussions between Denmark and Sweden have just started, perhaps that should be “part of” a more general Nordic discussion, and documentation, of how to exchange settlement information?

At the NMEG meeting in November, it was proposed to add an in_Area and an out_Area to the EAR document. Alternatively it may be an option using the ERRP Allocation Result Document.

Since we will do updates due to changes from 60 minutes to 15 minutes resolution, why not also do something about the exchange of e.g. MSCONS messages to something more modern”.

See documents from Jan (SE):

- PowerPoint presentation “Settlement information between TSOs.pptx”, which was distributed to NMEG February 28th, and redistributed October 6th.
- Excel sheet showing settlement related information exchanges with the following columns: “Description”, “Per (MP, SO...)”, Unit, Partis for Svk exchange” and “Comments Svk”, distributed June 2nd, and redistributed October 6th.

Continued action:

- Jon-Egil and someone from Denmark (Jan (DK) will find out who in Denmark) is asked to fill in the Excel sheet from Jan (SE) with today’s exchanges and the content (information) behind it.

7.2 Usage of Reason codes in NBS BRS for TSO-MO– prioritised item

Ove had as action asked Tuomas if we can publish the update BRS for TSO-MO and if we need to specify when new codes are valid from, with the following answer:

Publishing the updated BRS is okay for eSett.

I don’t see a need for specifying the validities here, as this concerns mainly communication between the TSOs and eSett, so we’ll need to coordinate it anyway.

Also, renaming of MBA to BZ is alright. We'll discuss with our TSO expert group if we need to update Handbook or some other place. It shouldn't be a problem as the terminology already should explain everything quite well, but we'll adjust our documents accordingly if need be.

Based on the answer from Tuomas, the NBS BRS for TSO-MO was sent on circulation for comments to NMEG for one week and published thereafter.

Ove had also as action published an updated code list.

Item closed.

7.3 Update of NBS BRS with the option of sending negative losses

The item was postponed

7.4 Final (?) review of update of NBS BRS for Master Data

Clarifications from Tuomas:

The item was postponed

7.5 Status for new Nordic extended Schedule Outage Market Document

Ove had as action made a xml schema of the extended Nordic CIM based outage document, drafted at the NMEG meeting February 23rd and sent it to Jon-Egil who will discuss it within NOIS at a meeting March 6th.

The proposal was accepted by NOIS, who will make a change request to the NOIS system to verify the proposal.

Conclusion:

- The Nordic extended Schedule Outage Market Document will be reviewed at our next physical meeting to see if it should be published at www.ediel.org.

8 Status for Swedish Flexibility project

Background: Sweden has two ongoing "Flexibility projects" that now want to use CIM based messages for the exchanges to/from the flexibility platforms. Among others one called Stockholm flex where Vattenfall is candidate for making CIM documents for the project(s).

To keep document exchanges as harmonised as possible in the Nordic countries, NMEG has offered them NMEGs help in making the needed CIM based xml schemas.

References (links): None.

What to decide, discuss or inform: Status report from Jan (SE).

Nothing new reported.

9 Common European Area project

Background: ebIX® has proposed a project plan for a common European Area project. ebIX®, ENTSO-E (CIM WG) and ENTSO-G has confirmed participation and the new EU DSO Entity is trying to find member(s).

References (links):

What to decide,

discuss or inform: Status for the project.

ebIX® ends from the end of 2023, hence ebIX® will not take the lead of the project. Instead ebIX® asks ENTSO-E to take the lead of the project. If ENTSO-E is willing to take the lead of the project, ebIX® will provide resources for the project until end of 2023, such as providing the secretary in the project.

10 XML schemas

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

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.

References (links):

What to decide,

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

Ongoing task:

- All 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 added to Appendix B and be published at www.ediel.org.
- Ove will update the table based on NBM documentation received from Bent Atle (NBM/Fifty), when the NMEG BRSs are updated with NBM documents.

11 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 Christian, Jan (DK), Jan (SE), Teemu and Ove.

References (links):

What to decide,

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

11.1 CIM for NBS

The item was postponed.

11.2 Issues related to update of Energinet (DataHub) CIM model with Accounting Point and Exchange Point – To be discussed at next physical NMEG meeting

The item was postponed.

12 Addition of an “archive folder” at Ediel.org

Continued action:

- Teemu will try making an “archive folder” where older documents are stored, i.e. every time a new document version is uploaded to the document folder, the old version is move to the archive folder.

13 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.

No documents to review.

13.1 Prepare Nordic positions before coming CIM WG meetings

Nothing to prepare.

14 Information (if any)

No extra information exchanged.

15 Next meetings

- Tuesday May 23rd and Wednesday May 24th, Helsinki
- Tuesday June 20th, 10:00 – 12:00, GoToMeeting

16 AOB

16.1 Security notes for Ediel.org

Anne Stine has informed that that at least one Internet domain has been created with a similar URL to www.ediel.org, however with a homepage that does not provide any reasonable information about the purpose of this domain. In other words, this can be a typosquat (also known as URL hijacking) and may be a starting point for phishing. Hence Ove had published the following Security notes at the ediel homepage:

- 1) www.ediel.org is an information website solely, hence there will never be sent any mail or other information originating from the domain ediel.org.
- 2) Be careful when opening links to www.ediel.org coming from unknown sources.

I have also added the security notes above to the www.ediel.org home page. Please let me know if you have any comments to this.

Item closed.

16.2 Intraday Auctions (IDA) and Ediel ECAN Publication Document (in NBS-BRS for TSO-MO)

From Tuomas:

In eSett we have a need to enable also Intraday Auction Prices in the document, so this would require a new Business Type code for it. There wasn't any direct match for it in the code list.

However, the issue is that there are currently three IDAs planned, meaning that there will be three price timeseries as well. So, we would need a way to distinguish IDA1, IDA2 and IDA3 somehow within the document.

Alternatives may be to use the Allocation ID, Allocation Type or Contract Type; however, this must be investigated and if applicable we should follow the solution used by the IDA project.

Action:

- Jon-Egil will verify with the IDA project how this is exchanged today.
- Ove will ask Tuomas who is sending and receiving this information today?

16.3 Is there a Business Type for input and output for capacity?

Jan (SE) had got the following question from a colleague:

At Svenska kraftnät we are establishing systems for the input and output for capacity. We are looking to handle a business type for: Result of capacity handled between Cross Border exchanges. What would be the right Business Type?

In Swedish: "utfallet/resultatet av det faktiska kapacitetsflödet mellan olika snitt" när gränsen är inom landet.

The following existing Business Type code seems like a good choice:

B96	Used capacity	The used cross-zonal balancing capacity.
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Item closed.

Appendix A Overview of Nordic memberships in international standardisation bodies

Name	Member of
Anders (SE)	CGMES, ESMP
Anne Stine	NMEG, ebIX®
Bertil (SE)	EBG
Christian	NMEG, ebIX® observer (?)
Fedder	NMEG, CIM WG, IEC/WG16, CSSG, EEAT, ENTSO-E CIM tools, CIO/LIO
Jan (DK)	NMEG, IEC/WG16
Jan (SE)	NMEG, HG, ebIX®, IEC/WG16+14, ESMP, TFD, TK57
Jon-Egil	NMEG, CIM WG, IEC/WG16, ESMP, CCC, CIO/LIO, NEK, TPC, TFD
Martin (SE)	CCC
Miika	CIM WG, NEX
Moustafa (SE)	CGMES
Oscar	CIO/LIO, ebIX®, CIM WG, TK57
Ove	NMEG, HG, ebIX®, IEC/WG16, NEK
Svein (NO)	IEC/WG14+13, CGMES
Teemu	NMEG, CIM WG, EBG, ETC, CIO/LIO

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
EBG	ebIX® Business Group
EEAT	ENTSO-E Enterprise Architecture Team (subgroup under Dc)
ESMP	European Style Market Profile (subgroup under CIM WG)
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)
NEK	Norsk Elektroteknisk Komite
NEX	Nordic ECP/EDX Group
TFD	ENTSO-E Task Force Data Interoperability and Access,
TK57	Teknisk Kommitté 57
TPC	Transparency Platform Coordinators (subgroup under MIT)

Appendix B 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					1.0, 7.0
2.	NEG ERRP Reserve Allocation Result Document	a) NBS BRS for TSO/MO b) BRS for Trade	1.0					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					7.0 (not complete)
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					5.0
15.	ENTSO-E ESS Schedule Document	a) NBS BRS b) NBS BRS for TSO/MO	4.1					5.0
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						1.0
25.	ENTSO-E ERRP Activation Document	BRS for Operate						5.0 (not complete)

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.

26.	Capacity Market Document	???							7.1, 8.0
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