Agenda: NEG Technical Committee **Date:** Wednesday November 16th, 2016 **Time:** 09:00 –16:00 **Place:** Oslo, Gardermoen (?) November 18th, 2016		**NEG** Nordic Ediel Group

Present: Antti Niemi, Nord Pool Spot (via GoTomeeting)
              Eveliina Ishii, Nord Pool Spot (via GoTomeeting)
              Jan Owe, Svenska kraftnät
              Jari Hirvonen, Fingrid
              Jon-Egil Nordvik, Statnett (Convenor)
              Mats Elmér, Svenska kraftnät (via Skype)
              Ole Fredsø Weigelt, Energinet.dk (via Phone)
              Ove Nesvik, Edisys (Secretary)

To (NTC):   Antti Niemi, Nord Pool Spot
              Christian Odgaard, Energinet.dk
              Eveliina Ishii, Nord Pool Spot
              Fedder Skovgaard, Energinet.dk
              Hanna Blomfelt, Nord Pool Spot
              Jan Owe, Svenska kraftnät
              Jari Hirvonen, Fingrid
              Jon-Egil Nordvik, Statnett (Convenor)
              Kim Dahl, Statnett
              Marja Eronen, Nord Pool Spot
              Minna Arffman, Fingrid
              Ole Fredsø Weigelt, Energinet.dk
              Ove Nesvik, Edisys (Secretary)

(NBS):   Mats Elmér, Svenska kraftnät
              Minnakaisa Ahonen, eSett
              Morten Hilger, Energinet.dk
              Morten Torgalsbøen, Statnett
              Niko Jauhiainen, eSett
              Pasi Lintunen, Fingrid
              Tuomas Lahti, eSett

CC: Anne Stine Hop, Statnett
              Oscar Ludwigs, Svenska kraftnät
              Tor Bjarne Heiberg, Statnett
              Tor Åge Halvorsen, NordPool

Appendixes: Appendix A, "To remember list"
              Appendix B, Overview of information exchange for the NBS metering and settlement phase

Attachment: None

--- Combined NBS and Ordinary NTC---

1   Approval of agenda
The agenda was approved with the following additions:
- Additions to Party Relation Master Data Document, see 6.3
- Auction Specification Time Series, see 8.2

2   Approval of previous meeting minutes

The minutes from previous meeting were approved after correction of a spelling error.

3   Status: Generic Format

Mats informed that eSett want to publish the Generic Format documentation on www.ediel.org. However, to avoid NEG to be associated with the Generic Format from Unicorn, it should be a link from www.ediel.org, instead of a publication of the documents.

Action:

- Mats will provide Ove with a link to the Generic Format specifications
- Ove will publish the link to eSett's Generic Format documentation at www.ediel.org

4   NBS BRS (and related UserGuide)

4.1   *Questions to be answered when the secondary legislation in Sweden is approved:*

The secondary legislation in Sweden is still not approved. However, Mats has a draft version and will prepare a status/clarification for next NTC.

Action:

- Mats will prepare a status/clarification for next NTC

4.2   *Usage of schemeAgencyIdentifier and schemeIdentifier for production units*

Jon-Egil had as action form an earlier meeting found out that Norway will report measured production data on a Metering Point level, i.e. Not on Generator Group level, Power Station level or Generator level, both post and pre Elhub. I.e. the schemeAgencyIdentifier will be GS1 and no use of schemeIdentifier.

Item closed.

4.3   *Status NBS BRS*

Ove had as action from previous meeting changed the status to "For implementation", changed the version to 2.0.A, and sent the BRS to NEG for 14 days, before the BRS was published at www.ediel.org.

No comments are received within time limit, November 11th.

Action:

- Ove will publish the documents at www.ediel.org

5   NBS BRS for TSO/NPS communication

5.1   *Questions to be answered when the secondary legislation in Sweden is approved*

The secondary legislation in Sweden is still not approved, hence the item was postponed.

Action:

- Mats will prepare a status/clarification for next NTC

5.2 Deletion of regulations (to remember item)

The item is still not prioritised from eSett; hence the item was postponed.

5.3 Status NBS BRS for TSO/NPS communication

Ove had as action from previous meeting added the Process Type to the dependency matrix connected to NEG ERRP Reserve Allocation Result Document in the BRS. Further the status had been changed to "For implementation", the version had been change to 2.0.A, and the BRS had been sent to NEG for 14 days, before the BRS was published at www.ediel.org.

No comments are received within time limit, November 11th.

Action:
- Ove will publish the documents at www.ediel.org

6   NBS BRS for Master Data

6.1   Validity Start and Validity End – Use of time zones

Ove had as action from previous meeting verified that the BRS and UG is in line with the date/time change (Validity Start/End) and sent the BRS, UG and Schemas on circulation for comments to NEG for 14 days before publishing.

No comments are received within time limit, November 11th.

Action:
- Ove will publish the documents

6.2   Validity Start and End related to Subject Party in the NEG Resource Object Master Data Document

The item will not be implemented before May next year; hence the item is postponed.

6.3   Additions to Party Relation Master Data Document

Ove had on request from Mats updated the Party Master Data Document, i.e.:

- Added a Validity Time Interval and two new Document Types, instead of "**Z17** Party relation master data document":
  - Added Document Type "**Z18** Party Relation Master Data Document where Validity Start and/or Validity End are within the Validity Period"
  - Added Document Type "**Z19** Party Relation Master Data Document where relations are valid sometime within the Validity Period"
- Added a Validity Time Interval in the header section
- Updated xml-schemas, xml change log, BRS, NEG Code List Library and User Guide

During the update Ove had noted that the Document Type **Z17** also is used for "**Z17** Spot Market Bid Status Report", i.e. with this change we avoid code confusion.

In addition, Ove had made two example files, one for each of the new Document Types. However, when making the example, a question turned up: In the schema, document table and dependency matrix, the Business Type is required. In the dependency matrix, also the Settlement Method is required.

The Business Types are:

A01	Production
A04	Consumption (general consumption)
A07	Net production/ consumption (combined pumped storage)
A15	Losses
A72	Interruptible Consumption
B27	Pumped
B28	Large installation consumption
B29	MGA imbalance
B36	Production Units own consumption (Only used in Finland)

And the Settlement Methods are:

E01	Profiled
E02	Non profiled

Are these needed in the "**Z18/Z19** Party Relation Master Data Documents"? My common sense tells me that these elements should be part of the "**Z12** Retailer consumption master data document" and not used in the "**Z18/Z19** Party Relation Master Data Documents".

Conclusions:
- Settlement method is not needed in the Party Relation Master Data Documents
- Only **A01** Production and **A04** Consumption are needed as Business types
- Definitions changed:
  - **Z18** Party Relation Master Data Document where Validity Start and/or Validity End of relation are changed within the Validity Time Interval (Start date/time inclusive and End date/time exclusive)
  - **Z19** Party Relation Master Data Document where relations are valid sometime within the Validity Time Interval (Start date/time inclusive and End date/time exclusive)

Action:
- Ove will update the master data BRS, UG, Code List, xml examples, etc.
- Send the new master data documents on circulation for comments to NEG for 14 days before publishing.

7   NEG Common XML rules and recommendations

Ove had as action from previous meeting added text related to quantity quality to the NEG Common Rules and Recommendations. In addition, the rules for time format in Validity Start and Validity were added to the document. The NEG Common Rules and Recommendations was sent to NEG for approval before publishing.

Mats had as action from previous meeting to ask eSett to add some text in the eSett Handbook, such as; "Note that eSett will use the received values for the final settlement, independent on the quality". Mats informed that this is being updating this week (week 46, 2016).

No comments are received within time limit, November 11th.

Action:

- Ove will publish the documents

8   XML schemas

8.1   Updated xml schemas

Ove had as action from previous meeting published the memo "Possible future updates of NBS XML schemas"at www.ediel.org in connection to the NBS set of xml schemas, and in addition, on the NEG Common Documents page. The document was reviewed and approved.

Ove had also made an example XML file (ESS document) with namespace prefixes, which will be published together with the next set of updated schemas.

Further, Ove had added 305 as schemeAgency for the MP in ebix_ValidatedDataForLabelingForCertificateIssuer. These xml schemas are however not published at www.ediel.org, since the only users are Elhub and eSett.

Action:

- Mats and Niko are asked to provide an xml example file as sent from eSett, to be added to the set of xml schemas used by NBS

8.2   Auction Specification Time Series

Ole had informed the Energint.dk is implementing the EDI for reserves – aka Nordic Trading System. In this context Ole had found a *bug* – and need ASAP support. Energint.dk needs to specify the amount of reserve when setting up the auction, so the property Period Type [0..*] is missing on Auction Specification Time Series (6.3.2):

```
<xsd:element name="Period" type="Period_Type" maxOccurs="unbounded"/>
```

A Requested Quantity class was added to the NEG Auction Specification Document.

Action:

- The new schema will have version 1.1
- Ove will clean up (update) the schemas and BRS and send it to NEG for commenting for 14 days latest by Friday November 18th

9   How to handle NEG vs ENTSO documents in general - versioning

Background: Energinet.dk is implementing Nordic Trading System/ERRP Reserve Bid Document.

1. In the ENTSO-E IG and schemas, the Document Type is restricted to "**A37** Reserve tender document", while NEG has agreed to use "**A24** Bid Document". Implementation can be done by using the ERRP Reserve Bid Document (Primary Reserves Market Trade Schemas 20140109), where also Gradient Up and Gradient Down are added, or by adding "**A24** Bid Document" as "local restrictions" to the **ENTSO-E** ERRP Reserve Bid Document schemas.

   How to see the difference between Nordic customised ENTSO-E schemas (e.g. with added codes in urn-entsoe-eu-local-extension-types.xsd) and the original ENTSO-E schemas?

2. From Nord Pool perspective, it is fine to do the same date element updates (change from date type to date and time type) also to NEG Area Specification Document. Naturally, if there are already some message formats implemented and in use with only the date elements, it will take some time to schedule and re-implement the changes to those.

   What version to use for the NPS documents – For NBS we called the change an error correction (still using version 1.0), but can we do the same for NPS? Should we make a copy and call it version 1.1 or 2.0?

3. Which documents to add to a "Nordic TSO" set of xml-schemas?

4. See also Ove's action item from previous meeting: Overview of the usage of xml-schemas in the Nordic countries in Appendix C.

General principles:
- There will be one set of NEG schemas, which includes all schemas used in various Nordic projects and always consist of the latest updated schemas.
- In addition, there will be Nordic project sets, such as NPS and NBS schemas, with the set of schemas used by the project.
- Every time a schema is updated, including addition of new codes, the common set of NEG schemas should be updated.
- All changes to a schema, except for code additions, shall imply a new version of the schema.
- For error corrections the versioning must be decided in each case.
- We will change the release number when a change is backwards compatible and the version number when not backwards compatible or it is seen as a major update.

Conclusion:
- The table in Appendix C will be permanently kept in the minutes.

Action:
- Ove will add the rules above to the NEG common rules and recommendations, but not publish it before more changes are done

10   Status for NPS implementation of NEG Documents

Eveliina had as action from previous meeting made a status presentation for the Nord Pool implementation of the NEG documents.

- Day-Ahead API launched in September 2016
  - Using NEG xml
  - Available for all market members
- Balance Settlement reports
  - Special for Nordic countries
  - Will be launched according to eSett timetable
- Day-Ahead reports
  - Various reports to market members and TSOs
  - Using NEG xml
- Intraday reports

o Currently Ediel EDIFACT documents

Antti informed that NPS is developing a Service platform, which is planned implemented within a year or so. When the new Service platform is implemented, NPS would like to get rid of the current Ediel EDIFACT standard.

Below is shown a status for the various xml schemas:

XML schema	BRS	Version used by			Status
		NBS	**NPS**	**TSO**	
NEG ECAN publication document	• NBS BRS for NPS-TSO	**1.0**	**1.0**		To TSOs: • Dependent on agreement with the TSOs To market members: • Implemented
NEG Area Specification Document	• NBS BRS for Master Data • BRS for Trade	**1.0**[1]	**1.0**		From TSOs: • Dependent on agreement with the TSOs To market members: • The aim is to use it in the future
ENTSO-E Acknowledgement Document	• NEG Common XML rules and recommendations	**6.0**	**6.0**		Implemented
ENTSO-E ESS Schedule Document	• NBS BRS • NBS BRS for NPS-TSO	**4.1**	**4.1**		To TSOs: • Dependent on agreement with the TSOs
NEG ECAN Allocation Result Document	• BRS for Trade		**2.0**	**3.0**	Implemented
NEG Currency Exchange Rate Document	• BRS for Trade		**1.0**		To TSOs: • Dependent on agreement with the TSOs To market members: • Implemented
NEG Auction Specification	• BRS for Trade		**1.0**		The aim is to use it in the future towards the market members
NEG Spot Market Bid Document	• BRS for Trade		**2.0**		Implemented

Action:
- Ove will update the NPS set of xml schemas with the NBS version of (1.0), which is using dateTimeType for Validity Start/End (error correction)

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

11   BRS for Nordic Trading System

Ove had as action from previous meeting sent the BRS for Nordic Trading System on circulation for comments to NEG for 14 days before publishing.

No comments are received within time limit, November 11th.

Questions for next version:
1. The NEG ECAN Publication Document is used for prices in the reconciliation and correction settlements by Elhub (and probably also by others), with the following business types.

    o   Business type **A62** (Spot price), received from NPS (?), is used for reconciliation

    Should the "Average Price Report" (arrow 24 and 25 in the sequence diagram) in the BRS for Nordic Trading System also go to the Reconciliation Responsible?

2. In the NEG ECAN Publication Document (xml-schema) we have added an "Average Price", which not seems to be used – Should we remove it?

Action:
- Ove will publish the document version 1.3.A
- Ove will add an arrow to the Reconciliation Responsible for the NEG ECAN Publication Document with Business type A62 (Spot price)
- Ove will remove the "Average Price" from the NEG ECAN Publication Document, make a new version of the xml-schema and publish it in the general set of xml schemas, before sending it for 14 days to NEG
- Ove will send version 1.4.A on circulation for comments to NEG for 14 days, before publishing

12   BRS for Nordic Operational System

Ove had as action from previous meeting updated the BRS with comments from the previous meeting, i.e. with renumbering of the sequence diagram table.

The BRS was published at www.ediel.org October 18th 2016.

Questions for next version:
1. The NEG ECAN Publication Document is used for prices in the reconciliation and correction settlements by Elhub (and probably also by others), with the following business types.

    o   Business type **B23** (Consumption imbalance price = Balance regulation market price in dominant direction) received from TSO (Statnett), is used for corrections of hourly metered MPs

    Should the "Balance regulation market price" (last arrow in the sequence diagram) in the BRS for Nordic Operational System also go to the Reconciliation Responsible (see also question 1 above)?

2. Is the "Settlement Deviation Basis Report" from the Operational markets missing?

The second question will be further elaborated in Norway, hence postponed.

Action:
- Ove will add an arrow to the Reconciliation Responsible for the NEG ECAN Publication Document with Business type **B23** (Consumption imbalance price = Balance regulation market price in dominant direction) – Not published until more changes are agreed.

13   Addition of Metered Data Administrator to the Harmonised Role Model

Ove had as action from previous meeting made a Memo explaining the need and use of a Metered Data Administrator. The intention is to get an agreement for the new role between the Nordic hubs before sending a change request to the HG.

Jon-Egil stressed that a "datahub" never can be a role in HRM sense.

Action:
- Jan, Jari, Jon-Egil and Ole are asked to forward the memo to their respective datahubs, asking for support to forward the MR to the HG.

14   BRS for schedules

The review of chapter 7 and the rest of the BRS continued. The draft BRS can be downloaded from:
https://www.dropbox.com/sh/hrp2wn85e98mwb3/AADsJkoqijybvORu2CQm75q7a?dl=0

15   Status for MRs to ENTSO-E

Nothing new.

16   Status for responses to the memo "Request to implement MADES SOAP header"

No response so far – the item is closed.

17   Review of BRS for Determine Transfer Capacity

Moved to "To remember list", see Appendix A

18   Status www.ediel.org

19   Review of Appendix A, "To remember list"

The "To remember list" in Appendix A was updated.

20   Information (if any)

No extra information exchanged.

21   Next meeting

Wednesday January 18th in Helsinki.

22   AOB

No items

Appendix A "To remember list"

Item #	Item	Description	Status
1.	EMFIP Configuration Market Document	Within EMFIP there is a document called Configuration Market Document. NTC don't think that the document can be used for any master data in the foreseeable future. However, the topic should be kept in mind and we might get questions why we didn't use it. At a later stage, NEG might do some work to influence the European standards.	TBD
2.	Balancing Publication Implementation Guide	To be looked into	TBD
3.	BRS for Determine Transfer Capacity	Update of the document is	When it is time to document new processes based on CIM

Appendix B Overview of information exchange for the NBS metering and settlement phase

Should we remove the "red arrows" from the sequence diagram below (to be answered when the secondary legislation in Sweden is approved)?
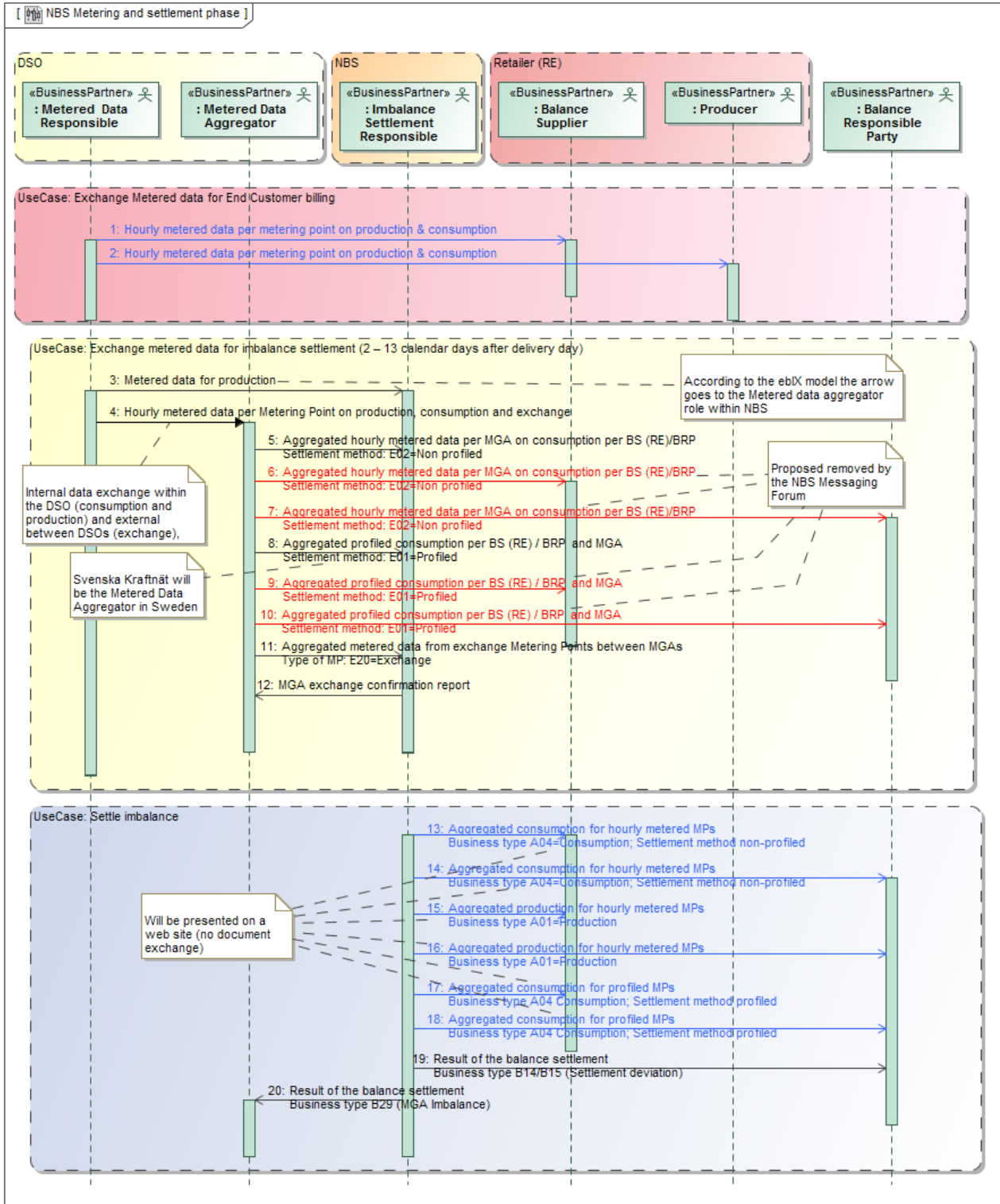
Appendix C   Overview of the usage of xml-schemas in the Nordic countries

XML schema	BRS	Version used by		
		NBS	NPS	TSO
NEG ECAN publication document	• NBS BRS for NPS-TSO	1.0	1.0	
NEG ERRP Reserve Allocation Result Document	• NBS BRS for NPS-TSO • BRS for Trade	1.0		1.0
NEG ESP Energy Account Report Document	• NBS BRS	1.0		
NEG Area Specification Document	• NBS BRS for Master Data • BRS for Trade	1.0[2]	1.0	
NEG Bilateral Trade Structure Document	• NBS BRS for Master Data	1.0		
NEG Party Master Data Document	• NBS BRS for Master Data	1.0		
NEG Resource Object Master Data Document	• NBS BRS for Master Data	1.1		
ENTSO-E Acknowledgement Document	• NEG Common XML rules and recommendations	6.0	6.0	
ENTSO-E ERRP Planned Resource Schedule Document	• NBS BRS for NPS-TSO	5.0		
NEG ERRP Planned Resource Schedule Document	• BRS for Schedules			1.0
ENTSO-E ERRP Resource Schedule Confirmation Report	• BRS for Schedules	No NEG version		
ENTSO-E ESS Confirmation Report	• NBS BRS	4.1		
ENTSO-E ESS Schedule Document	• NBS BRS • NBS BRS for NPS-TSO	4.1	4.1	
ENTSO-E ESS Anomaly Report	• BRS for Schedules	No NEG version		
ebIX® Aggregated Data per MGA for Settlement for Settlement Responsible	• NBS BRS	2013pA		
ebIX® Aggregated Data per Neighbouring Grid for Settlement for Settlement Responsible	• NBS BRS	2013pA		
ebIX® NEG Confirmation of Aggregated Data per Neighbouring Grid for ISR	• NBS BRS	2013pA		
ebIX® Validated Data for Settlement for Aggregator	• NBS BRS	2013pA		
NEG ECAN Allocation Result Document	• BRS for Trade		2.0	3.0
NEG Currency Exchange Rate Document	• BRS for Trade		1.0	
NEG Auction Specification	• BRS for Trade		1.0	
NEG Spot Market Bid Document	• BRS for Trade		2.0	
ENTSO-E ERRP Reserve Bid Document	• BRS for Trade			5.0
ENTSO-E Outage document	• BRS for Schedules	No NEG version		

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