



Minutes: NEG Technical Committee Date: Friday May 9 th , 2014 Time: 9:00 – 15:00 Place: Copenhagen May 12 th , 2014	 Nordic Ediel Group
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------

- Present:** Jan Owe, Svenska kraftnät
Jari Hirvonen, Fingrid
Jon-Egil Nordvik (Convenor)
Kim Dahl, Statnett
Morten Torgalsbøen, Statnett
Ole Fredsø Weigelt, Energinet.dk
Ove Nesvik, EdiSys (Secretary)
- Excuses:** Tor Åge Halvorsen, NordPool
- To (NTC):** Antti Niemi, Nord Pool Spot
Christian Odgaard, Energinet.dk
Eveliina Ishii, Nord Pool Spot
Hanna Blomfelt, Nord Pool Spot
Jan Owe, Svenska kraftnät
Jari Hirvonen, Fingrid
Jon-Egil Nordvik (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
Morten Hilger, Energinet.dk
Morten Torgalsbøen, Statnett
Pasi Lintunen, Fingrid
- CC:** Anders Bergqvist, Svenska kraftnät
Anne Stine Hop, Statnett
Oscar Ludwigs, Svenska kraftnät
Tor Bjarne Heiberg, Statnett
Tor Åge Halvorsen, NordPool
- Appendix A** Portfolio ID
Appendix B Time Series ID from Powel
Appendix C Time Series ID from Unicorn
Appendix D NBS XML schema review

Attachment:  Structure+Data+Flows+Required+Elements, see item 4, Resolve matters related to NBS

 MoP Ref 09 - Configuration-document, see item 7, EIC codes for assets

--- Combined NBS and Ordinary NTC---

1 Approval of agenda

The agenda was approved with the following additions:

- Summer- and winter time, see item 17.1, Summer and winter time under AOB

2 Approval of previous meeting minutes

The minutes from NTC meeting March 27th was approved with correction of some spelling errors. The minutes from the Lync meeting April 22nd was approved without comments.

3 How to handle sender/recipient ID for different roles (e.g. BRP and BS) in NBS

Conclusion:

- We will follow the ebIX[®] rule from «ebIX[®] Recommended identification schemes for the European energy industry», i.e.:

The recommended principle is that a legal company should have one identification number, used for all roles played

Still a company acting as several parties with the same role may be assigned several party IDs

Action:

- Morten will make sure that the conclusion is added to the NBS handbook

4 Resolve matters related to NBS

#	Issue	Clarification, discussion...	Conclusion and/or action
Issue 1	PX Market Trade; Missing identification of Retailer and Portfolio ID (how to handle different portfolios) – Awaiting internal discussions within NBS	See comments from Jan in Appendix A Discussion: <ul style="list-style-type: none">• Alternatives are:<ol style="list-style-type: none">a) Using <i>Capacity Agreement Identification</i>b) Using In Party and/or Out party (similar to Balance Group usage in Germany)c) Adding a <i>Portfolio ID</i>• The Portfolio ID will identify the relevant portfolio (account) registered on the BRP or Trader in question, such as<ul style="list-style-type: none">○ Statnett's internal losses, gas power plants and losses in the international cables○ Different BSs that a BRP is responsible for	Action: <ul style="list-style-type: none">• Ove will make an MR for ENTSO-E for adding a <i>Portfolio ID</i>• Since this is an exchange from NPS to NBS, the final decision may be postponed until the autumn The item will be followed up at the next meeting

#	Issue	Clarification, discussion...	Conclusion and/or action
Issue 2	Processes for Currency Identification is not defined yet – Issue from Unicorn	Put on hold, since the question is unclear	<p>Action:</p> <ul style="list-style-type: none"> Jari will ask Unicorn for an explanation of item <p>The item will be followed up at the next meeting</p>
Issue 3	Structure data flows - Unicorn has provided required elements for this data flow - On the agenda for the NTC/NBS meeting May 9th in Copenhagen	See also item 5 in the agenda	<p>Action:</p> <ul style="list-style-type: none"> Ove will make a first draft of a specification <p>The item will be followed up at the next meeting</p>
Issue 4	The handbook group will be asked to describe the rules for calculating Delta values, including how to specify direction (sign) for both Bilateral trade and MGA-MGA exchanges		<p>Conclusion:</p> <ul style="list-style-type: none"> Morten will find a status <p>The item will be followed up at the next meeting</p>
Issue 5	Some issues with a few NEG (ebIX® based) XML schemas - expected solved within a few weeks	See Appendix D	<p>Actions:</p> <ul style="list-style-type: none"> Ove (Erik) will update the User Guides with relevant <i>scheme Agency Identifier, scheme Identifier, list Agency Identifier</i> and <i>list Identifier</i> Ove will make a draft proposal for which <i>scheme Agency Identifier, scheme Identifier, list Agency Identifier</i> and <i>list Identifier</i> to use for each country. Morten will use the table above for an update of the handbook <p>The item will be followed up at the next meeting</p>
Issue 6	MGA and MBA files are almost complete, but we have no confirmation that the TSOs will provide us with the required information		<p>Action:</p> <ul style="list-style-type: none"> Jari will Verify the MBA-MGA and MGA-MGA memo with Unicorn Jan, Jon-Egil and Jari will verify with their respective TSOs if they can send the MBA-MGA and MGA-MGA documents <p>The item will be followed up at the next meeting</p>
Issue 7	Remaining data flows for structure data will be started in NTC meeting Mai 9 th . Before that	This is the same as Issue 3 above and paragraph 5 in the agenda	The item will be removed from the list of issues

#	Issue	Clarification, discussion...	Conclusion and/or action
	the scope of which data flows that needs a message must be determined.		
Issue 8	Decision for means of communication	See also item 8 in the agenda	Awaiting MSG The item will be followed up at the next meeting
Issue 9	Decision on solution for test portal	Discussion: <ul style="list-style-type: none"> NBS will also use the test portal for certification of the actors Today FI, NO and SE have their own portals (NO and SE using the same basis SW) In addition there are Test portals available from KEMA (used in Germany and Switzerland(?)), EDSN in NL (?), Belgium (?), The Danish Datahub.... 	Action: <ul style="list-style-type: none"> Morten will verify with Unicorn what test portal they can provide The issue is not a task for NTC, but will be followed up for information
Issue 10	Decision on solution for common address register	Discussion: <ul style="list-style-type: none"> Does MADES have any functionality can be used? A Draft content of a NBS address register was mad, see item 4.1 and Table 1 below 	Action: <ul style="list-style-type: none"> Morten will bring the content of Table 1 below into the NBS project for further elaboration The item will be followed up at the next meeting
Issue 11	Maintenance Requests (MR) to ENTSO-E/WG-EDI for official codes – May take time, but intermediate (Nordic) codes have been issued	Jon-Egil informed that several MRs were agreed last week, but since there are no minutes yet the update the NBS documents was postponed.	The item will be followed up at the next meeting
Issue 12	Maintenance Requests (MR) to ebIX® and ENTSO-E for restructuring of documents and new documents	Jon-Egil informed that several MRs related to restructuring of documents also were agreed last week	The issue will be followed up at the next meeting
Issue 13	Usage of coding schemes. It is acceptable to use different coding schemas per country for most object, but we do not have acceptance from Unicorn to do this for market participants ID. In a Nordic market it is also a bad idea to use many different codes for the same Market Participant. NTC should start the process to harmonize this.		Conclusion: <ul style="list-style-type: none"> If an actor is operating in more than one country, one coding scheme and one ID must be chosen for all countries. This will be added add to NBS draft table, se Issue 5 above The issue is seen as finalised and will not be followed up In the future
Issue 14	The process initiated to ensure sufficient information to the BRPs must be completed	A comment has been sent from NBS messaging forum to NordREG as a comment to the HNR public hearing, asking NordREG to find a solution	The issue is handed over to NordREG and is seen as finalised from NTC/NBS, and will not be followed up In the future
Issue 15	Should we regulate the sizes of the files (similar sizes ??)	<ul style="list-style-type: none"> NO, SE, FI have today limits around 2 MB 	Action:

#	Issue	Clarification, discussion...	Conclusion and/or action
		<ul style="list-style-type: none"> No one saw any good reason to keep this limit. Why not increase the limit to 10 or 50 MB? 	<ul style="list-style-type: none"> Jari will ask Unicorn if they have a preference for a limit of file size
Issue 16	Review and eventually update the rules for handling of date time	<p>A review of the date and time rules in the NEG Common rules and recommendations was started, but not finalised, among others because it is not decided if Swedish or Norwegian principles will be used for summer/winter time. In Sweden local time (UTC+1) is used all around the year, while in local time (UTC+2 is used during summer time.</p> <p>See also paragraph 4.2 below and Issue 18 below</p>	The issue will be followed up at the next meeting
Issue 17	ENTSO-E xml schemas	See Appendix D	<p>Action:</p> <ul style="list-style-type: none"> Morten will verify the reason for <i>NEG (based on ENTSO-E ERRP) Reserve allocation result document codes</i> with Unicorn <p>Reason Codes:</p> <ul style="list-style-type: none"> Z22 Supportive power Z23 Special Regulation Z24 Quarterly adjustments Z25 Ordinary regulation Z26 Transit triangle Z27 Transit redispach Z28 Transit SB Loop Long <p>The issue will be followed up at the next meeting</p>
Issue 18	Will the settlement during summertime (for Norway) be in local time (UTS+2) or in normal time (UTC+1)?		The issue will be followed up at the next meeting

4.1 Address information

During the discussion regarding Issue 10 above, a first content of a NBS address register was drafted:

Data element	Public information?
<ul style="list-style-type: none"> Party 	
<ul style="list-style-type: none"> o Party ID 	Yes
<ul style="list-style-type: none"> o Legal entity 	Yes
<ul style="list-style-type: none"> o Communication address 	Yes
<ul style="list-style-type: none"> o Contact person 	No
<ul style="list-style-type: none"> o <ul style="list-style-type: none"> ▪ Type of contact (Invoice, communication ...) 	No

▪ Contact numbers (telephone, e-mail ...)	No
○ Roles (DSO, PRP, RE, Trader....)	Yes
○ Processes involved in (repeatable)	Yes
• BRP – RE relations	YES
• DSO – MGA relations	Yes
• MGA –MGA relations	?
• MBA – MGA relations	Yes

Table 1 Draft content of a NBS address register

Some arguments for why NBS shall provide address information:

- NBS already have most of the information in the Basse system
- NBS has the online-service that can be used to access the information
- The on-line services can also utilise the actors to update the information
- Other solutions, such as extending existing national registers or asking the TSO s to publish NBS address information, are not seen as good alternatives

4.2 How to handle ESS confirmation reports

How to handle ESS Confirmation Reports was discussed. Finland will send Time Series for UTC+2, while the settlement will be done in UTC+1, i.e. the settlement will be based on Time Series for two different days (the first hour of a day will be sent the day before the last 23 hours of the day). This is a problem when returning ESS confirmation reports, which require a reference to one unique Time Series ID. I.e. there must be separate confirmation reports (Time Series) for each received Time Series. The solution is to send separate confirmation reports (Time Series) for each received ESS schedule time series. This may in worst cases result in a separate confirmation report for each hour of the day. Note that this only is an issue for the Time Series Confirmation, where a reference to the ESS Schedule Time Series is required. The Imposed Time Series in the ESS Confirmation Report is not referencing any received Time Series and can contain all 24 hours of the day.

Action:

- Ove will add a comment in the BRS regarding the requirement for a separate confirmation reports (Time Series) for each received ESS schedule time series

5 Specification of a Retailer Master Data Document for Structure Data Flows

Homework from previous meetings:

- NBS homework (Morten) regarding specification of a Retailer Master Data Document for Structure Data Flows:
 - Who is going to send information (BRP, BS, DSO, TSO...)?
 - What informations are needed for each party?
 - How much information will be exchanged, e.g. is a web interphase good enough?
- Miloš (Unicorn) has as homework to provide the needed elements for the Retailer Master Data Document – see attached

The document “*Structure+Data+Flows+Required+Elements.docx*”, from Miloš (Unicorn) was briefly reviewed and a set of requirements for Retailer Master Data Document(s) was agreed.

Action:

- Ove will make a first draft of a specification

6 Time Series ID

The questions from Powel and Unicorn, see Appendix B and Appendix C, were discussed. I.e. should we make common Nordic rules for the Time Series ID? It looks a bit strange with different rules for the Time Series ID for ebIX® and ENTSO-E documents.

Conclusions:

- We will use the ebIX® principle for Time Series IDs

Action:

- Ove will add the ebIX® rule, i.e. that the “TS ID must be unique for the sender”, to the BRSs, User Guides and NEG Common rules and recommendations

7 Resolve matters from ebIX®, EFET and ENTSO-E Harmonisation Group

Due to lack of time the item was postponed

8 Status for business case for MADES

Jon-Egil informed that there will be a MSG meeting on Tuesday May 13th 2014 where the business case from NEG will be discussed. The item will be put on the next agenda.

9 EIC codes for assets

Jon-Egil had as action item from previous meeting to ask a status of the EMFIP project at the next WG-EDI meeting, e.g. how to submit assets to EMFIP.

How to submit assets to EMFIP is described in the attached PDF from Jon-Egil.

10 NPS implementation of NEG Documents

Jon-Egil had as action item from previous meeting to ask WG-EDI for a better solution than using the Quantity type for the MinAcceptanceRatio. The answer (proposal) from WG-EDI was to use a value between 0 and 100.

Action:

- Ove will update the BRS with the information

11 Status for MRs to ENTSO-E

Due to lack of time the item was postponed

12 Status for BRS for Settlement

Due to lack of time the item was postponed

13 Status for BRS for Schedules

Due to lack of time the item was postponed

14 Review of www.ediel.org

Due to lack of time the item was postponed

15 Information (if any)

No information

16 Next meeting

- I. Lync conference Friday 23rd of May, 10:00 – 12:00
- II. Helsinki (Vantaa airport) Monday June 23rd, 09:00 – 17:00
- III. Oslo, August 20th, 9:00-16:00

17 AOB

17.1 Summer and winter time

The in question from EB Nett AS, see Appendix E, was briefly discussed and without any conclusion. The item will be followed up under Issue 18 (item 4) above.

Appendix A Portfolio ID

From Jan:

I anteckningarna från NTC/NBS-mötet (Lync-mötet) den 22 april står

”NBS issues from Unicorn

Morten informed that the progress of the NBS project unfortunately is behind schedule due to issues related to the data flow specification. Below is a list with issues that were discussed during the meeting.

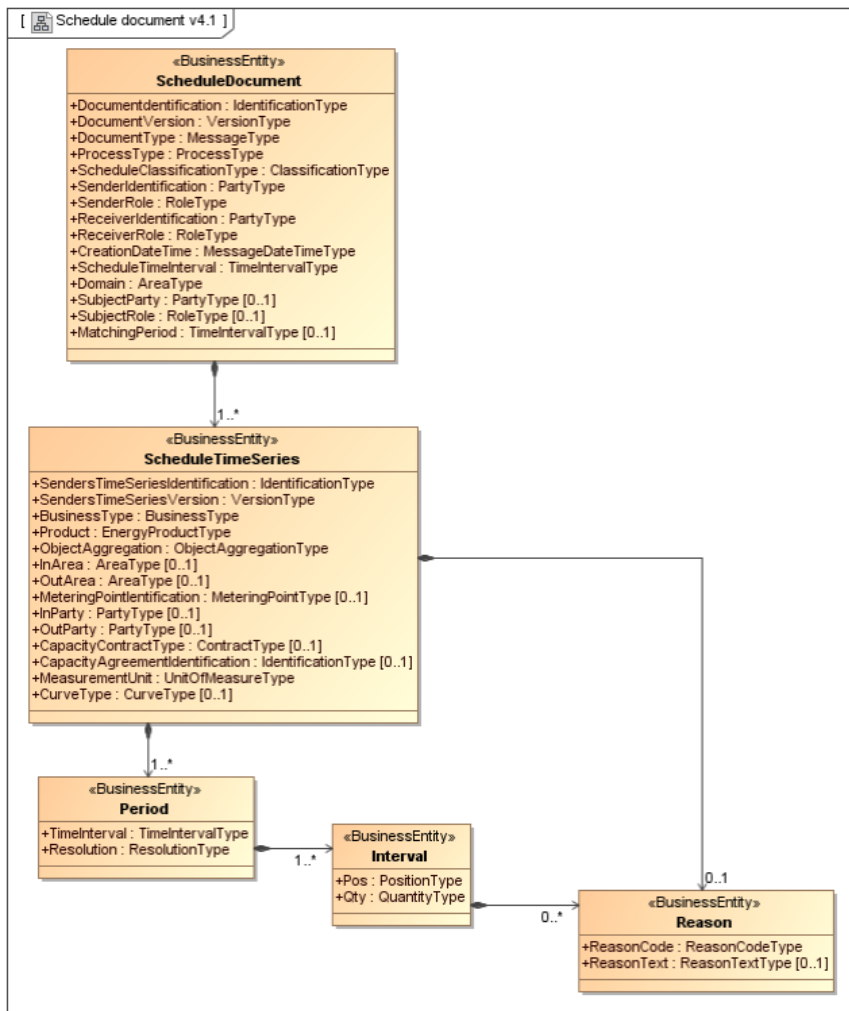
a) PX Market Trade

- a. Missing identification of Retailer and Portfolio ID in the XML file

Status: The item was postponed, waiting for NordPool

”

Meddelandet där man skulle behöva uppgift om ”Retailer” och ”Portfolio ID” det är ESS som skickas från NPS till NBS. Klassdiagrammet ser alltså ut så här:



I fältet InParty anges identiteten på den som handlat. Antingen en trader ("retailer"). Eller en balansansvarig. Rollen framgår inte i meddelandet, men om en balansansvarig också är en "trader" (retailer) och denne handlar på NPS, gör han det inte i sin "huvudroll" – balansansvarig? I Sverige är det inte tillåtet att ha olika identiteter på balansansvariga och "retailer" om de är samma juridiska person. Detta är idag tillåtet (förekommer) i Norge och det kommer väl redas ut om det kommer vara så även i NBS – bara vi inte måste införa det för svenska aktörer...

För att ange "Portfolio id" är, som jag ser det, det enda möjliga existerande fältet det som heter "CapacityAgreementIdentification". Definitionen av fältet lyder: "The identification of an agreement for the allocation of capacity to a party." Beskrivningen av fältet lyder: "This provides the identification of the allocated capacity by a capacity allocator. The same identification must be always used even when the same capacity is fully or partially resold." Och det enda sammanhang där man skickar uppgiften, enligt ENTSO-E, är när man skickar "External trade explicit capacity". Då ska man även skicka fältet " **Capacity contract type** "

Och det är det inte frågan om här.

Jag föreslår endera av två alternativ:

1. Ändra befintliga fält i ESS-meddelandet:
 - a) Vi skickar in en ändringsbegäran till ENTSO-E där vi ber om att ändra "CapacityContractType" till ett mer generellt "ContractType" som t.ex. kan gälla kapaciteter och portföljer – eller hellre kanske ett bättre namn än "ContractType".
 - b) Samtidigt skulle "CapacityAgreementIdentification" ändras till "ContractAgreementIdentification" eller förslagsvis bara "AgreementIdentification" och i vårt fall kunna innehålla portfölj-id.
2. Lägg till nytt fält för att ange Portfolio-id i ESS-meddelandet.

Gällande alternativ 2 ska nämnas att vi har ansökt hos ENTSO-E om att lägga till "Portfolio identification" i ECAN-meddelandet. Så det bör vara utgångspunkten även här. Men får vi nej från ENTSO-E på att lägga till Portfolio Id i ECAN då föreslår jag alternativ 1 för uppdateringen av ESS. Och i så fall försöker vi göra något liknande i ECAN – dvs ändra "ContractIdentification" i ECAN till ett mer generellt fält om även kan inkludera portfolio id. Nu kanske vi inte har tid att vänta på svar från ENTSO-E gällande NBS så då får vi bestämma hur vi gör den 9 maj.

I noteringen från mötet 2013-08-23 står om att lägga till "Portfolio Id" i ECAN-meddelandet att:

" Jon-Egil will verify with Hanna:

- If a subject party/role and In/Out area optional, is an alternative to adding a Portfolio Identification
- For Selling/Buying; Propose
 - Selling Qty if In-area filled in
 - Buying Qty if Out-area filled in"

Jag vet inte om Jon-Egil har tagit upp det med Hanna – som får en kopia – och det kanske inte heller är aktuellt längre, vad vet jag. Men noteringen från 2013-08-23 visar att det kan finnas ytterligare alternativ att lösa behovet och inte nödvändigtvis behöver innebära att "Portfolio id" läggs in.

Så långt kommer jag med min utredning. Tyvärr inget entydigt svar på frågan hur vi gör att för att hantera "Portfolio id".

Appendix B Time Series ID from Powel

NBS has received the following question from Birger Morland, Powel, regarding the NBS BRS:

7.1 Time Series Identification (Time Series ID)

The Time Series Identification shall be an unique ID over time for the originator (sender) of a time series. I.e. every time a time series changed, the originator shall issue a new Time Series ID.

Does *every time a time series changed* mean that we shall send a new ID every time a value changes for a given transaction, every new transaction for the series, or every time we change the underlying series to this series?

In ENSTO-E ESS v4r1 it is described:

Sender's identification of the time series instance.

This must be unique for the whole document and guarantee the non-duplication of the product, business type, object aggregation, in area, out area, metering point identification, in party, out party, capacity contract type and capacity agreement identification.

It looks like the only requirement is that the Time Series ID only must be unique within the document.

Further detailing from (unfortunately in Norwegian):

Jeg har noen tanker om saken og etter å ha lest litt mer i dokumentasjonen for NBS og ENTSO-E så har jeg vel kommet til at det enkleste er om Senders time series ID (STS-ID) er unik for den aktuelle serien for den aktuelle transaksjonsperioden (uavhengig av hva versjons nummeret er).

Grunnen til det er at både Anomaly report og Confirmation report alle skal inneholde den originale STS-ID. Jeg ser at ENTSO-E beskriver at i begge tilfeller også skal en også sende med den originale dokument ID. Noe jeg ikke har klart å lese ut av ebIX dokumentene. I NBS er klassediagrammet til ENTSO-E tatt med og der står det for Confirmation report at det skal være med et felt som heter ConfirmationDocumentIdentification, men det feltet er ikke beskrevet i attributtlisten etterpå. (Mens det for BRS for Nordic TSO schedules documentet er det både for Anomaly og Confirmation Report tatt med feltet SendersDocumentIdentification og ConfirmationDocumentIdentification i attributtlisten.)

Siden ebIX ikke har med informasjon om hvilket dokument som blir bekreftet eller feilrapportert, er det naturlig at STS-ID skal være unik over tid slik at en spesifikk transaksjonsperiode kan identifiseres. Det vil lette implementeringen av importen av Anomaly og Confirmation reports i den forstand at en lettere finner sammenhengen til den innsendte tidsserien.

På den annen side er det kanskje dumt å lage andre regler for Norden enn det som er i Europa for øvrig. Regelen til ebIX er den enkleste å forholde seg til om ikke ConfirmationDocumentIdentification sendes tilbake på responsdokument for ENTSO-E meldinger. Men om dette feltet sendes med for ENTSO-E meldingene ser jeg ingen grunn til at det ikke skal gå greit å implementere 2 forskjellige regler alt etter om responsen er på en ebIX eller ENTSO-E melding.

Vi kan jo implementere at STS-ID er unik for en transaksjonsperiode uavhengig om det er et krav eller ikke. Det forenkler jo vår implementasjon. Det vil oppfylle både ebIX og ENTSO-E sine regler.

Appendix C Time Series ID from Unicorn

Jari had received the following question from Unicorn related to Uniqueness of the Time Series Identification.

Explanation of the issue:

- TimeSeriesIdentification (TS ID) are processed from XML file with Bilateral Trade and will be used for generation of Confirmation Reports (CNF).
- Schedule document can contain only one trade (we can not deny this) and CNF sent by Basse have to contain all trades for particular trading day (see answers in).
- We can validate that TS ID is unique within the schedule document from the sender, but this validation will not be sufficient.

Let me describe an example:

- BRP reports trade A in one file with TS ID "Trade_2014" and trade B in another file with TS ID "Trade_2014".
- Both of schedules will be accepted because there will be only one TimeSeries in each document, so the TS ID will be unique within the document.
- Basse will send the Confirmation report with both of trades in one file, so one document will be generated with:
 - Trade A with TS ID "Trade_2014"
 - and Trade B with TS ID "Trade_2014"
- This CNF will not comply the rule for unique ID within the document.
- The validation is not sufficient because Basse allows to report different trades with the same ID in separate documents.

We have 2 options how to handle this issue:

1. extending the validation - the definition of the validation can be difficult
2. validating only TS ID uniqueness within the document (as it is specified in BRS), but generating of new TS ID for CNF file

Appendix D NBS XML schema review

Content

D.1	COMMON FOR ALL NEG SCHEMAS	13
D.2	EBIX® BASED DOCUMENTS	13
D.2.1	GENERAL CHANGES.....	13
D.3	EBIX® DOCUMENTS FROM NBS BRS	14
D.3.1	NEG (EBIX® BASED) VALIDATED DATA FOR SETTLEMENT FOR AGGREGATOR (E66, E44)	14
D.3.2	NEG (EBIX® BASED) AGGREGATED DATA PER MGA (E31, E44)	14
D.3.3	NEG (EBIX® BASED) AGGREGATED DATA PER NEIGHBOURING GRID FOR ISR (E31, E44)	14
D.3.4	NEG CONFIRMATION OF AGGREGATED DATA PER NEIGHBOURING GRID FROM ISR (Z08/Z09, E44)	14
D.4	ENTSO-E BASED DOCUMENTS	15
D.4.1	GENERAL	15
D.5	ENTSO-E DOCUMENTS FROM NBS BRS.....	15
D.5.1	ENERGY ACCOUNT REPORT DOCUMENT (EAR).....	15
D.5.2	ESS SCHEDULE DOCUMENT, BILATERAL TRADE	15
D.5.3	ESS CONFIRMATION REPORT	15
D.6	ENTSO-E DOCUMENTS FROM NBS-TSO/NPS BRS	15
D.6.1	ESS SCHEDULE DOCUMENT, BILATERAL TRADE	15
D.6.2	ERRP PLANNED RESOURCE SCHEDULE	15
D.6.3	NEG (BASED ON ENTSO-E ERRP) RESERVE ALLOCATION RESULT DOCUMENT	15
D.6.4	NEG (BASED ON ENTSO-E ECAN) PUBLICATION DOCUMENT	16

D.1 Common for all NEG schemas

All NEG XML schemas will be published on a separate page at www.ediel.org.

Relevant *scheme Agency Identifier*, *scheme Identifier*, *list Agency Identifier* and *list Identifier* will be added to the User Guides

D.2 ebIX® based documents

D.2.1 General changes

- A) All ebIX® based XML schemas start with “ebIX_”, should, if possible be renamed to NEG
- B) “scheme Agency Identifier” for Sender/Receiver and other parties (BRP/BS):
 - a. We add “scheme Agency Identifier” = “260” and “scheme Identifier” = “SVK” and “SLY”, to the currently used “9” (GS1) and “305” (EIC)
- C) “list Agency Identifier” for UN/CEFACT codes (Unit Type, Roles, Quantity Quality...)?
 - a. We change “260” (ebIX®) to “330” (NEG), since we then are able to add new Nordic codes without changing *scheme Agency Identifier*
- D) “scheme Agency Identifier” for MPs
 - a. We add “89” (Assigned by distributor) to the currently used “9” (GS1) and “305” (EIC)
- E) What “scheme Agency Identifier” to use for MGAs (In-/Out-area)?

- a. We add “*scheme Agency Identifier*” = “**9**” (GS1), “**305**” (EIC) and “**260**”, and “*scheme Identifier*” = “**SVK**”, “**SLY**” to the currently use “**9**” (GS1)

D.3 ebIX® documents from NBS BRS

D.3.1 NEG (ebIX® based) Validated Data for Settlement for Aggregator (E66, E44)

To be changed:

- A) Resolution Duration must be set to “**PT1H**” or “**PT60M**” (currently only PT15M is available)
- B) Business Type must be removed from “MP Detail Measurement Metering Point Characteristics”
- C) Quantity Missing can only have the value “**True**”
- D) Delta Quantity must be removed

D.3.2 NEG (ebIX® based) Aggregated Data per MGA (E31, E44)

- A) Energy Business Process Role must be extended to (currently only “**DDX**” is available):

- DDX** Imbalance settlement responsible
- DDK** Balance responsible party
- DDQ** Balance power supplier

- B) Resolution Duration must be set to “**PT1H**” or “**PT60M**” (currently only PT15M is available)
- C) Addition of Business Types:
 - A04** Consumption (total consumption)
 - A07** Net production/consumption
 - A15** Losses
 - A72** Interruptible Consumption
 - Z62** Pumped
 - Z63** Large installation consumption
- F) The “list Agency Identifier” “**330**” (NEG) will be used for Business Types
- D) Delta Quantity must be removed

D.3.3 NEG (ebIX® based) Aggregated Data per Neighbouring Grid for ISR (E31, E44)

- A) Resolution Duration must be set to “**PT1H**” or “**PT60M**” (currently only PT15M is available)
- B) Business Type must be removed from “MP Detail Measurement Metering Point Characteristics”
- C) Delta Quantity must be removed

D.3.4 NEG Confirmation of Aggregated Data Per Neighbouring Grid From ISR (Z08/Z09, E44)

To be changed:

- A) Resolution Duration must be set to “**PT1H**” or “**PT60M**” (currently only PT15M is available)
- B) Business Type must be removed from “MP Detail Measurement Metering Point Characteristics”
- C) Delta Quantity must be mandatory

D.4 ENTSO-E based documents

D.4.1 General

Most of the ENTSO-E schemas that will be used in the Nordic countries will use Nordic codes, hence NTC will make a complete set of ENTSO-E schemas, both customised and unchanged, and publish them together. This includes NBS schemas, TSO/NPS schemas and Nordic TSO schemas, such as Primary Reserves Market Trade schemas. There should be one common code list schema and one common data type schema, used by all the ENTSO-E and ETSO-E based schemas.

D.5 ENTSO-E documents from NBS BRS

D.5.1 Energy Account Report document (EAR)

The EAR schema will need the following Nordic Business types

- Z53** Production deviation
- Z54** Consumption deviation
- Z65** MGA imbalance

D.5.2 ESS Schedule Document, Bilateral Trade

The ESS Schedule Document will have the following Nordic Process Type

- Z05** Bilateral trade

D.5.3 ESS Confirmation Report

The ESS Confirmation Report will have the following Nordic Process type

- Z05** Bilateral trade

And the following Nordic Business Type

- Z64** Internal trade difference, within a Market balance area, i.e. the difference between trades reported from an out party (seller) and an in party (buyer). The internal trade difference is the delta value between what is reported by the two Balance Responsible Parties.

D.6 ENTSO-E documents from NBS-TSO/NPS BRS

D.6.1 ESS Schedule Document, Bilateral Trade

The ESS Schedule Document will have the following Nordic Process Type (see also D.5.2 above)

- Z05** Bilateral trade

D.6.2 ERRP Planned resource schedule

The ERRP Planned resource schedule will have the following Nordic Business type

- Z52** Small scale production

D.6.3 NEG (based on ENTSO-E ERRP) Reserve allocation result document

NEG schema must be made, making unused attributes optional, i.e.:

- Reserve Bid Document Identification
- Reserve Bid Document Version
- Reserve Bid Identification
- Contract Type
- Contract Identification
- Settlement amount

The following Nordic Reason Codes will be added:

- Z22** Supportive power
- Z23** Special Regulation
- Z24** Quarterly adjustments
- Z25** Ordinary regulation
- Z26** Transit triangle
- Z27** Transit redispatch
- Z28** Transit SB Loop Long

D.6.4 NEG (based on ENTSO-E ECAN) Publication document

The NEG schema already published at www.ediel.org under NEG Common documents (NEG Nordic Trading System) will be moved to the complete NEG set of NEG based ENTSO-E schemas.

Appendix E Summer- and winter time

From Kjetil Urne, EB Nett AS (unfortunately in Norwegian):

Jeg deltok på arrangementet på Gardermoen i går og fikk forståelsen av at Norge og Sverige ikke ville være harmonisert mht. avrapportering under perioder hvor det er justert for sommertid. Dette i tillegg til at Finland ligger i en annen tidssone.

Jeg tenker da at man i fremtiden vil bli revet løs fra det rigide regime vi har forholdt oss til i «alle år», hvor vi ser på klokka for å finne ut hvilken time/uke det skal avrapporteres for. Personlig har jeg aldri forstått at verdien ved dette overstiger ulempene det er å operere med ukelengder på hhv 167/168/169 timer... uavhengig av alle integrasjonsmessige utfordringer man har med å flytte data fra system til system.

Tilbake til harmonisering mellom norske og svenske forhold: Er det virkelig ingen i denne prosessen som har tatt til orde for å kaste det norske systemet over bord når vi trår til med NBS?

Det logiske er å avregne like store bolker med timer gjennom året, uavhengig av om at vi har en felles forståelse av at det er bryet verdt å gå på jobb en time tidligere (for å oppnå en ekstra time med lys til å kose oss ute på verandaen).

Jeg kan ikke se andre utfordringer i dette enn at man må forholde seg til at man avregner «litt skjevt» i sommermånedene. Ulempen bør imidlertid være ubetydelig i forhold til hva man oppnår av fordeler: Vi må erkjenne at til tross for at dette er en øvelse vi går gjennom to ganger per år (med motsatt fortegn) er det en stadig kilde til usikkerhet og feil, grunnet at hvert enkelt delsystem har sin måte å løse standarden på. Lagring og rapportering i normaltid ville vært så mye enklere å forholde seg til.

Jeg er trygg på at svært mange i bransjen er av samme oppfatning. NBS bør være en gylden mulighet til å reversere et historisk dårlig valg.

Answer from Morten (unfortunately in Norwegian):

Jeg har spilt dette videre til NBS, men er litt usikker på hvilket omfang en slik endring vil få og hvor reelle fordelene er. Både for Norge hvis vi skal rapportere i normaltid og for Sverige dersom de skal rapportere slik vi gjør som eksempler. Det er også uklart hvordan ulike forretningsprosesser berøres. Det eneste jeg har klart for meg er at det må være samme løsning for rapportering i alle land når HNR innføres.