

Draft minutes:	Harmonised Nordic Retail Market - Message format, content and interface project	 NEG Nordic Ediel Group
Date:	Tuesday January 21 st and Wednesday January 22 nd , 2014	
Time:	09:00 - 17:00 and 09:00 – 16:00	
Place:	Fjordkraft's offices in Bergen	
February 7 th , 2014		

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Move out Finnish homework.pptx
- Attachments:** See item 4, Review of BRS
- Appendixes:** **Appendix A** Assumptions and conclusions
Appendix B Proposal for harmonised address structure
- Useful links:** [ebIX® CuS BRSs \(latest "draft documents"\)](#)
[ebIX® Business Requirements for Measure Collected Data 2r0E](#)
[ebIX® Business Requirements for Measure Determine Meter Read 2.0.B](#)
[ebIX® Business Requirements for Measure for Reconciliation 2r0C](#)

[ebIX® Business Requirements for Measure for Billing 2r0A](http://www.norden.org/sv/aktuellt/nyheter/elmarkedet-i-norden-skal-styrkes)
<http://www.norden.org/sv/aktuellt/nyheter/elmarkedet-i-norden-skal-styrkes>
<http://www.norden.org/fi/ajankohtaista/uutiset/pohjoismaisia-saehkoemarkkinoita-vahvistetaan>
 (Finnish version)

1 Approval of agenda

The agenda was approved with the following additions:

- How to deal with datahubs? See item 2, Approval of previous meeting minutes
- Issues regarding move. See attached PowerPoint presentation from Markus and item 4, Review of BRS

2 Approval of previous meeting minutes

The minutes were approved with the following comments:

- Item 9. Comments regarding the answer from the TF-BuP Input team.
What is meant by the industry? Agreed to state stakeholders, such as DSOs, Suppliers, BRPs etc.
- Appendix A: First line states *such as*: Agreed to remove *such as*.
We will assume calendar days unless otherwise explicitly stated
If two-way pattern, such as a request and response processes... was stated twice. The first statement regarding two-way pattern was removed.

During this item the following topics was briefly discussed:

- How to deal with datahubs?
 - The DataHub should always be the entrance to the Danish market. Should Danish suppliers go via the DataHub to deal with for instance the Finnish market? What about national specialities? (I.e. address elements in Denmark, el-certificates in Norway). Suppliers going into different countries will have challenges due to national specialities. Same messages must be used in all countries but use of optional attributes in the messages will be different. These issues are subject to discussions in the national reference groups.
- Ove showed a short presentation of MADES (Market Data Exchange Standard).

3 Status for discussions in national reference groups

Due to lack of time the item was skipped, however several issues were covered during item 4.

Homework:

- All are asked to verify if there are national issues that were not covered during the review of the BRS and distribute these to the project group before next meeting, March 5th and 6th.

4 Review of BRS

From discussions:

Page 8:

BIM (Business Information Model), not the scope of this project, i.e. to be completed at a later stage.
The chapter before 1.1 regarding combined billing: Combined billing will be included in the list of future work.

Page 11:

2.1.1 Production and consumption in the same installation.

The business rules for settlement is a responsibility of NBS and in Denmark the TSO.

2.1.2 Date Time Formats.

The example was rewritten to state that the point in time is the local time in the country and was further elaborated.

2.1.3 Datahubs

The DataHub in Denmark will include combined billing from autumn 2015.

Page 12:

2.2 Change of Supplier

The BRP ID will be required in the Change of Supplier message for all countries except Finland. A separate process for change of BRP will be added.

2.2.1 Make supply contract

Will be removed (today only a “header UseCase” for *Upfront Request for Metering Point Characteristics*)

Page 15:

2.2.1.1 Upfront Request for Metering Point Characteristics.

Add elements (dependant on national rules) in the response, such as:

- End date for current supply contract
- Cancellation fee (Boolean, true/false)

Homework for national groups:

- Propose needed elements

Page 17:

Homework

- Ove will make a table for all processes regarding timeframes specified in the NordREG reports and this project.

The need for positive Acknowledgement of processing was made dependent on communication means.

Page 18

2.2.4.1. Bulk change of Supplier.

In Denmark, an “easier way” of performing a *Bulk Change of Supplier* is planned, probably through filling in a web-side

2.2.4.2. Unrequested Change of Supplier.

Different rules per country.

- In Denmark the normal supplier will act as both Supplier of last resort and Default Supplier, hence the process is not relevant.
- In Finland there is no Supplier of last resort or Default supplier, hence the process is not relevant.
- In Norway the DSO is the Supplier of last resort, hence the process is not relevant.
- In Sweden the process is relevant.

Page 19

2.3 End of Supply.

Not valid in Denmark. For the other countries, cancellation of End of Supply will be proposed possible up to the day before the End of Supply.

Page 21

2.4 Customer Move-in

Retroactive move is legal in Norway. It is proposed to skip retroactive move in the Norwegian Elhub. In Sweden retroactive move is not allowed. In Denmark 95% of Move-in is retroactive.

Page 23

2.4 Customer move in.

Exceptions; Changed specific text for Finland in 2).

Page 24

2.4.1 Request Customer Move-in.

Precondition: Changed New balance supplier to Balance supplier.

Cancellations of Move-In. What if several supplier switches are registered with dates in the future?

Not allowed to cancel Move-in in Denmark.

Page 26

2.4.3 Customer Move-out as part of Customer Move-in.

The header was changed.

Power of attorney was discussed in detail and should be required preCondition. Norwegian prerequisites was included.

Page 29

2.5 Customer Move-out

General: Changed Old Customer to Customer.

exception: Rewritten

acknowledgements: Changed according to the other processes

Cancellations: Not relevant at this level, see sub-processes

Page 32

2.6 Notify Metering Point Characteristics

beginsWhen: When there has been changes to Metering Point Characteristics or as the master data related to Change of Supplier or Move-in process.

acknowledgements: Same as switch. Applicable in Sweden and Finland only

In Denmark this is split in several messages. Question regarding this will be issued to the national groups

Page 33

2.7 Request Metering Point Characteristics

Possible to request MP characteristics for more than one MP? (Bulk request)

Addition in exceptions: The request is default on a MP level, but may be on a Metering grid Area (MGA) level.

The request for MGA information may result in very large response documents and may be based on another format than XML. To be further discussed in the national reference groups.

Page 34

2.8 Notify update Metering Point Party

Use case was renamed to: Notify update Customer Information

Definition and exceptions were updated.

Question to be issued to TF-BuP: Business rules for Change of Customer Information/status related to divorce, death, etc.

Page 35

2.9 Determine Meter Read.

Includes no documents. Remove chapter. Include Measure for Billing UC in the switch messages instead of Determine Meter Read. Add a new process for sending in meter stands from the BS.

Page 38

2.10 Measure for Billing

Jan Pedersen had as homework from previous meeting to verify if the word can in the sentence “if impossible then an estimation *can* be used” should be *shall*. The conclusion was to use the term *shall*.

Questions to be issued to TF-BuP regarding handling of Meter read connected to a switch. 9 days impossible? Today the timeframe is within 35 days in Denmark.

Page 40

2.10.1 Exchange Validated Data for Billing Energy

beginsWhen adjusted

exceptions: Based on national rules, the validated data may also be exchanged directly to the Customer

Page 41

2.10.2 Request Validated Data for Billing Energy

Definition: The request may contain proposed validated metered data. Ove will add a new process for proposed metered data from the Supplier.

Page 42:

3.1 Harmonised Nordic Retail Market Roles.

Metering Point Administrator. New bullet point included.

Page 45

4.2.1 Change of Supplier

Texts in sequence diagram was adjusted

Page 47

4.2.2 Upfront Request for Metering point Characteristics, Element definitions:

The information set to be set by an initiator, i.e.: Balance Supplier

Page 48

4.2.2 Upfront Request for Metering point Characteristics, Element usage in the Nordic countries.

Use in Sweden was included.

Homework for national groups:

- Propose needed elements
- Review and fill in the rest of the tables

Page 97

4.6.2 Notify Metering Point Characteristics, Element usage in the Nordic countries

The table is not filled in by FI because this is not according to the current process in Finland.

DK: 4 different messages with many attributes related to the wholesale market. Will be included as an appendix.

Homework:

- Finland will complete the content of the column and describe the use of Geographical Coordinate
- Denmark will describe Danish requirements for invoicing and billing.
- Norway and Sweden will describe requirements regarding el-certificate reporting.

Business process ID was deleted

Danish (and Swedish; municipality used for tax rate reasons) specific address elements was added as optional.

Column named “Harmonised” was added. Content: R (Required), O (Optional), D (Dependant)

Homework:

- All will try to simplify the Metering Point characteristics class (which attributes are relevant per country)

9 Next meetings

March 2014: Wednesday 5th 09:00 – 17:00 and Thursday 6th 09:00 – 15:00, SvK, Stockholm

10 AOB
No items

Appendix A Assumptions and conclusions

The assumptions and conclusions below will be moved to the BRS.

Area/Item	Assumption or conclusion	Date
BRS	<ul style="list-style-type: none"> We will try to avoid national specialities in the final BRS, there will however be some differences, such as: 	20130827
	<ul style="list-style-type: none"> Identifiers used may differ (e.g. Customer ID may be Social Security Number or Date of birth) 	20130827
	<ul style="list-style-type: none"> The change of supplier process will include change of suppliers connected to a Production Metering Point 	20130827
	<ul style="list-style-type: none"> We will assume that an installation with both production and consumption will have two MPs (two IDs) 	20131112
	<ul style="list-style-type: none"> For Finland, Norway and Sweden: <ul style="list-style-type: none"> If the Customer wants netted settlement from a combined MP, there can only be one Balance Supplier for the two MPs If the Customer wants two suppliers, the settlement for production and consumption must be separated 	20131211
	<ul style="list-style-type: none"> The BRS is assuming a supplier centric model, as stated by NordREG 	20130827
	<ul style="list-style-type: none"> The document will assume combined billing, according to NordREG recommendations; <p><i>“In line with previous recommendations the cost for electricity supply and the cost for the grid shall be combined in a single invoice and sent to the customer by the supplier”</i></p>	20130827
	<ul style="list-style-type: none"> We continue using the term Metering Point (and not Accounting point), to avoid misunderstandings 	20131112
	<ul style="list-style-type: none"> The Harmonised Electricity Role Model from ebIX[®], EFET and ENTSO-E will be used <ul style="list-style-type: none"> E.g. Metering Point Administrator will be the Datahub (if relevant), or else the DSO 	20130827
	<ul style="list-style-type: none"> A meter reading connected to a switch shall be within +/- 5 days. The switch meter reading <i>can</i> be estimated if not on the exact day. The meter reading must be distributed to the Balance Supplier within 9 days after the switching day. 	20131112
	<ul style="list-style-type: none"> According to the minutes from the Steering group meeting November 2013 we will assume the current situation where the DSO is responsible for a MP without a Customer connected in Finland, Norway and Sweden, while Denmark has a Supplier of last resort 	20131211
Syntax	<ul style="list-style-type: none"> We assume that the syntax will be XML based on ebIX[®] and ENTSO-E standards, among others because of: 	20130827
	<ul style="list-style-type: none"> NBS will use a combination of ebIX[®] and ENTSO-E XML documents 	20130827
	<ul style="list-style-type: none"> For the ENTSO-E documents there are no existing alternative based on EDIFACT syntax 	20130827
	<ul style="list-style-type: none"> The Danish Datahub have already implemented XML documents based on ebIX[®] and ENTSO-E standards 	20130827
Date Time Formats	<ul style="list-style-type: none"> In the exchanged document we will use UTC time in to avoid different time zones in ”the Nordic market”. 	20130827

	<ul style="list-style-type: none"> ○ E.g. if a Norwegian supplier want to send a request for change of supplier to a Finnish DSO at midnight during summer: <ul style="list-style-type: none"> ▪ The switch time in the document will be 21:00 (the day before) ▪ The Norwegian supplier system will display 23:00 (the day before) ▪ The Finnish DSO system will display 00:00 (on the switch day) 	20130827
		20130827
		20130827
		20130827
	<ul style="list-style-type: none"> ● We will assume calendar days when appropriate 	
Acknowledgements	<ul style="list-style-type: none"> ● We describe usage of the ENTSO-E acknowledgment document in the BRS for a Common Harmonised Nordic Retail Market processes. 	20130827
	<ul style="list-style-type: none"> ● Technical acknowledgement on a syntax level (similar to the CONTRL messages used in FI, NO and SE) will only be used for asynchronous communication, such as SMTP. For Web Services, technical acknowledgement on a syntax level is not needed, since the response will appear more or less immediately (as SOAP ack), as a part of the service. 	20130827
	<ul style="list-style-type: none"> ● We will add the possibility to use the ENTSO-E acknowledgment document on an “Object level”, i.e. rename the Time Series Rejection class to Object Rejection 	20130827
	<ul style="list-style-type: none"> ● We will use NBS principles for acknowledgement of receipt (technical acknowledgements on syntax level) <ul style="list-style-type: none"> ○ For synchronous WS: <ul style="list-style-type: none"> ▪ If error: Always sending SOAP ack ▪ If OK: no SOAP ack ○ For asynchronous communication (MADES, SMTP....) <ul style="list-style-type: none"> ▪ If error: <ul style="list-style-type: none"> ● Always sending negative acknowledgement of receipt ● Only using one error code, “999”, and specify the error so that the recipient of the acknowledgement can understand the error ▪ If OK: Never sending positive acknowledgement of receipt ● If errors occur on a business level in a one-way notification pattern, we will specify in the business process if an acknowledgement of processing shall be used. This apply for both negative and positive acknowledgements ● If two-way pattern, such as request and response processes; a negative or positive business document shall be used instead of an acknowledgement of processing, 	20131112
	<ul style="list-style-type: none"> ● The language in error text shall be English ● Finland, Norway and Sweden would like to see a standardised structure of the error text, i.e. where the error occur (element or object), line number etc. In addition there should be a limited set of error codes grouping possible error situation. ● Denmark want a more detailed list of error codes ● If errors occur on a business level, in a one-way notification pattern: <ul style="list-style-type: none"> ○ Finland, Norway and Sweden always want an acknowledgement of processing ○ Denmark is not sending acknowledgements today and will not like to see it in the future either ● If two-way pattern, such as a request and response processes: <ul style="list-style-type: none"> ○ A negative or positive business document shall be used 	20131211

	<ul style="list-style-type: none"> ○ If an acknowledgement of processing is need depends on the timeframe for responding to the request, i.e. to be specified in the process in the BRS 	
Addresses	<ul style="list-style-type: none"> ● The DSO is the master of the <i>MP address</i> and the Balance Supplier is the master of the <i>Customer address</i>. 	20131211
	<ul style="list-style-type: none"> ● There shall be separate fields for c/o-address and Attention, as optional fields and only for addresses where a name (person or company) is relevant (i.e. NOT for MP address) ● This BRS suggests a split of the names related into separate fields for company name and private person name and further on a split of private person name into Given Name, Middle Name and Family Name <ul style="list-style-type: none"> ○ To split the names as suggested a huge job for the actors and the actors should be given 3 to 5 years for the migration ○ The Middle name will be optional ● The following address types may be used: <ul style="list-style-type: none"> ○ MP address ○ Customer Address ○ Invoicing Address ○ Optional Customer Contact Addresses, if different from Customer address, including type of contact code: <ul style="list-style-type: none"> ▪ maintenance information ▪ voting address in Denmark ▪ e-mail ▪ telephone ● This BRS assumes national rules regarding number of Customers in a Metering Point, i.e. one Customer in Norway and Sweden, Two Customers in Denmark and an unlimited number of Customers in Finland 	20131211
Datahub	<ul style="list-style-type: none"> ● The Datahub in Denmark will include combined billing from autumn 2014 	20130827
	<ul style="list-style-type: none"> ● There will be a first version of a Datahub in Norway (end of 2016), probably without combined billing, planned one year after start of a Common Harmonised Nordic Retail Market (end of 2015) 	20130827
	<ul style="list-style-type: none"> ● There are no decisions regarding Datahub in Finland or Sweden 	20130827
Means of communication	<ul style="list-style-type: none"> ● Means of communication can be: <ul style="list-style-type: none"> ○ MADES <ul style="list-style-type: none"> ▪ Requires that the four Nordic TSOs (or some other national or Nordic organisation) agree to run “MADES nodes” ○ SMTP: <ul style="list-style-type: none"> ▪ Currently used in Norway and Sweden ▪ As addition to existing FTP communication in Finland ▪ As addition to existing WS in Denmark 	20131112

Appendix B Proposal for harmonised address structure

