


Draft minutes: Harmonised Nordic Retail Market - Message format, content and interface Date: Monday August 26 th and Tuesday August 27 th , 2013 Time: 10:00 - 17:00 and 09:00 – 16:00 Place: Stockholm September 9 th , 2013	 Nordic Ediel Group
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- Participants:** Anne Stine Hop, Statnett, Anne.Stine.Hop@statnett.no
 Christian Odgaard, Energinet.dk, cco@energinet.dk
 Emma Lindgren, Vattenfall, emma.lindgren@vattenfall.com
 Helga Kleppe, Fjordkraft, helga.kleppe@fjordkraft.no
 Jan Owe, SvK, Jan.Owe@svk.se (Convenor)
 Jari Jaakola, Pohjois-Suomen Energiatiето Oy, jari.jaakola@psenergiatiето.fi
 Markus Piispanen, Finnish Energy Industries, Markus.Piispanen@energia.fi
 Ove Nesvik, Edisys, ove.nesvik@edisys.no (Project coordinator)
 Poul Berthelsen, NRGi, plb@nrgi.dk
 Trygve Kloster, Lyse, Trygve.Kloster@lyse.no
- Project members:** Christian Odgaard, Energinet.dk, cco@energinet.dk
 Emma Lindgren, Vattenfall, emma.lindgren@vattenfall.com
 Helga Kleppe, Fjordkraft, helga.kleppe@fjordkraft.no
 Jan Owe, SvK, Jan.Owe@svk.se (Convenor)
 Jari Hirvonen, Fingrid, Jari.Hirvonen@fingrid.fi
 Jari Jaakola, Pohjois-Suomen Energiatiето Oy, jari.jaakola@psenergiatiето.fi
 Markus Piispanen, Energiateollisuus ry (Finnish Energy Industries),
Markus.Piispanen@energia.fi
 Ove Nesvik, EdiSys, ove.nesvik@edisys.no (Project coordinator)
 Poul Berthelsen, NRGi, plb@nrgi.dk
 Preben Høj Larsen, Energinet.dk, phq@energinet.dk
 Steen Mahler, Sydfyns Elforsyning (SEF), sm@sef.dk
 Trygve Kloster, Lyse, Trygve.Kloster@lyse.no
 and other project members when known
- Observer/stakeholder:** Jan Pedersen, Energitilsynet, JHP@energitilsynet.dk
 Peder Søderlund, Nordic Energy Research, Peder.Soderlund@nordicenergy.org
- CC:** Andreas Björnevik, Öresundskraft, Andreas.Bjornevik@oresundskraft.se
 Jon-Egil Nordvik, Statnett, jon-egil.nordvik@statnett.no
 Kristian Bernseter, Statnett, kristian.bernseter@statnett.no
 Oscar Ludwigs, SvK, Oscar.Ludwigs@svk.se
 Peder Søderlund, Nordic Energy Research, Peder.Soderlund@nordicenergy.org
 Tor Bjarne Heiberg, Statnett, tor.heiberg@statnett.no
 Tor Åge Halvorsen, Nord Pool Spot, tah@npspot.com
- Attachments:**
- 
 Project plan - Harmonised Nordic
 See **item 3**, Approval of project plan
 - 
 IEC and ENTSO-E acknowledgements
 See **item 6.1**, How to deal with acknowledgements?
 - 
 Forslag til format for kontaktadresser.
 See **item 6.2**, How to harmonise addresses?
- Appendixes:**
- Appendix A** Assumptions (to be reviewed)
 - Appendix B** Questions for NordREG
 - Appendix C** Questions to be solved in the project group

Appendix E ENTSO-E Acknowledgment Document

Appendix F Usage of address fields

Useful links:

[Harmonised Model for Supplier Switching, NordREG, June 2013](#)

[ebIX Business Requirements for Change of supplier v3r1A 20110818.pdf](#)

[ebIX Business Requirements for End of supply v3r1A 20110818.pdf](#)

[ebIX Business Requirements for Notify MP Characteristics v3r1B 20120520.pdf](#)

[ebIX Business Requirements for Query MP Characteristics v3r1A%](#)

1 Approval of agenda

The agenda was approved

2 Approval of previous meeting minutes

The minutes were updated with the comments received from Markus.

Minutes and documents from the project will be published on www.ediel.org.

3 Approval of project plan

The project plan was reviewed, slightly modified and approved. The project plan will be published at www.ediel.org.

4 Status for establishment of national reference groups

- Norway will have a national Ediel group (NEE) meeting September 2nd, where a national sub-project will be established, unless there is time enough to discuss items during the normal NEE meetings.
- In Sweden, establishment of a national sub-project is on the agenda in “Elmarknadsutveckling”.
- In Denmark the national group will be the “Expertpanel”. However no meetings are scheduled yet.
- Finland will have the first meeting September 5th in the “Retail Market process development group”.

5 Change of Supplier part of the BRS, including national additions and specialities

See “Useful links” above for relevant NordREG and ebIX[®] documents.

Review of homework from previous meeting:

- a) Each country should make a list over the content of the request and the response documents in the national pre-switch checking process

Status:

All countries had finalised the tables, *see*: Appendix D

- b) Do we need information on Elspot area, or can we use MGA?

Jan and Ove have verified (after the meeting) if the connection (link) between a MGA and the Elspot area will be available when NBS goes on the air. The answer from NBS is:

Answer:

The link between Elspot Area and MGA will be open and available information, however not necessarily published by NBS.

- c) Each country should finalise the table explaining national additions to the change of supplier documents

Status:

All countries had finalised the tables

- d) Norway will clarify with NVE if the Norwegian rule that a change of supplier shall be rejected if no actual meter reading is available between 20 to 6 working days before the switch, will be changed or if this shall be stated as a Norwegian speciality

Status:

Will be clarified during NEE meeting September 2nd

- e) Ove will ask ebIX[®] CuS project how to notify Grid Access Provider (GAP = DSO) of Change of Supplier in a DataHub solution:

Answer:

If the notify GAP of Change of Supplier only is used for asking the grid to come up with a switch stand, the document; "Notification for determine Meter Read" (sent from the MDA to the MDR) should be used.

This is according to the proposed Danish processes

- f) Ove will make a first draft of a BRS from the project, including tables with national extensions to relevant documents and distribute to the participants for completion before next meeting

Status:

Ove had distributed a draft BRS based on the ebIX[®] change of supplier BRS.

The draft BRS was reviewed and all tables related to change of supplier was filled in with the currently need elements from each country. During the review a set of prerequisites or assumptions for the BRS was made.

Assumptions:

- The BRS is assuming a supplier centric model, as stated by NordREG
 - The document will assume combined billing, according to NordREG recommendations;

"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"
- The Harmonised Electricity Role Model from ebIX[®], EFET and ENTSO-E will be used
 - E.g. Metering Point Administrator will be the Datahub (if relevant), or else the DSO
- Datahub
 - The Datahub in Denmark will include combined billing from autumn 2014
 - 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)
 - There are no decisions regarding Datahub in Finland or Sweden
- We assume that the syntax will be XML based on ebIX[®] and ENTSO-E standards, among others because of:
 - NBS will use a combination of ebIX[®] and ENTSO-E XML documents
 - For the ENTSO-E documents there are no existing alternative based on EDIFACT syntax
 - The Danish Datahub have already implemented XML documents based on ebIX[®] and ENTSO-E standards
- We will try to avoid national specialities in the final BRS, there will however be some differences, such as:
 - Identifiers used may differ (e.g. Customer ID may be Social Security Number or Date of birth)
- The change of supplier process will include change of suppliers connected to a Production Metering Point
- In the exchanged document we will use UTC time in to avoid different time zones in "the Nordic market".
 - E.g. if a Norwegian supplier want to send a request for change of supplier to a Finnish DSO at midnight during summer:
 - 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)

The assumptions and temporary conclusions will be reviewed during the project.

6 Technical alignments

6.1 How to deal with acknowledgements?

The basis for this item was a series of questions from the previous meeting:

- Can we use the ENTSO-E (IEC) acknowledgement document, see Appendix E?
- If yes, how to add relevant object, such as Metering Point?
- How detailed must an acknowledgement be?
 - Accept/reject on “Document level”?
 - Accept/reject on “Transaction level (Time series, Metering Point)”?
 - Accept/reject on “Observation level”?
 - How detailed error codes are needed?

Ove showed a PowerPoint presentation, giving an overview of ENTSO-E and IEC acknowledgement processes. From the following discussion:

- The ENTSO-E and IEC acknowledgement processes are meant for technical acknowledgements and not for acceptance and rejection on a business level.
- Acceptance and rejection on a business level should be done by sending responding documents.
- The NEG NEMM project has advised NBS to use the ENTSO-E acknowledgement processes, since many of the NBS documents are based on ENTSO-E IGs, and none on IEC documents.
- The ENTSO-E and IEC acknowledgement documents cannot reference other objects than Time series, i.e. a Metering Point cannot be referenced as an object in error. However, since this is technical acknowledgments, it may be good enough to accept or reject on a document level. Acceptance or rejection on a business level should be done by using responding documents.
- For “Notification documents”, such as *Notify Metering point Characteristics* there are no responding documents. If errors is found on a business level, this must be notified to the sender manually (telephone, mail, web-form...). Christian explained that this is the way they will do it in Denmark, since an automatic rejection cannot be handled automatically anyway.
- If it is needed to reference something else than a Time Series, such as a Metering Point, the option seems to be to make a Nordic adjustment to the ENTSO-E acknowledgement document, e.g. rename the *Time Series Rejection* class to *Object Rejection*.
- The Swedish APERAK document was reviewed and mapped into the ENTSO-E acknowledgement document:
 - The ERC, FTX and two RFF segments used to identify an object and error can be put in the *Object Rejection* class and the connected Reason class in the ENTSO-E document.
 - In the mandatory Reason class on the document level in the ENTSO-E document we may use the following codes:
 - Document received
 - Document approved
 - Document partly approved
 - Document rejected
 - Various negative codes

Assumptions:

- We describe usage of the ENTSO-E acknowledgment document in the BRS for a Common Harmonised Nordic Retail Market processes.
- 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 a part of the service.
- We will add the possibility to use the ENTSO-E acknowledgement document on an “Object level”, i.e. rename the *Time Series Rejection* class to *Object Rejection*

Homework:

- Ove will add the ENTSO-E acknowledgment process and document to the BRS

- Jan and Markus will propose reason codes for technical and application acknowledgement (syntax and process level) to the next meeting
- All investigate nationally frequently occurring errors

6.2 How to harmonise addresses?

Denmark is using structured address fields, see F.1, while the other countries (Finland, Norway and Sweden) are using traditional EDIFACT fields, such as Name one, Name two, Address line one, Address line two and Address line three, according to the PRODAT IG, see F.2.

The use of address was discussed:

- The Danish Address class is a subset of the UN/CEFACT Core Component; *Address*, with addition of the Danish elements *Street Code*, *Municipality Code* and *Type Of Address Code*.
- Christian showed a Danish proposal for how to structure addresses, see attached document

Homework

- All will verify if the Danish address-structure can be used nationally
- All will try to find out how to handle c/o addresses;
 - Is the c/o address a part of the name, or the address?
 - Do we need an “Attention” connected to the Name or Address?

7 Prepare questions for national reference groups (PowerPoint presentation)

A presentation was made and will be distributed to the project members for usage in national groups.

8 Next meetings

November: Tuesday 12th and Wednesday 13th, 09:00 – 17:00 and 09:00 – 15:00, Denmark (Erritsø?)

- Can we specify common content of the *pre-switch checking process*, but still use national means of communication (DataHub, NUBIX, PRODAT/Z01 and Z02)?

December: Tuesday 10th and Wednesday 11th, 09:00 – 17:00 and 09:00 – 15:00, Helsinki **Note: changed dates!**

9 AOB

No items

Appendix A ASSUMPTIONS (TO BE REVIEWED)

- BRS:
 - We will try to avoid national specialities in the final BRS, there will however be some differences, such as:
 - Identifiers used may differ (e.g. Customer ID may be Social Security Number or Date of birth)
 - The change of supplier process will include change of suppliers connected to a Production Metering Point
 - The BRS is assuming a supplier centric model, as stated by NordREG
 - The document will assume combined billing, according to NordREG recommendations;
 - “*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*”
- Syntax
 - We assume that the syntax will be XML based on ebIX® and ENTSO-E standards, among others because of:
 - NBS will use a combination of ebIX® and ENTSO-E XML documents
 - For the ENTSO-E documents there are no existing alternative based on EDIFACT syntax
 - The Danish Datahub have already implemented XML documents based on ebIX® and ENTSO-E standards
- Date Time Formats:
 - In the exchanged document we will use UTC time in to avoid different time zones in ”the Nordic market”.
 - E.g. if a Norwegian supplier want to send a request for change of supplier to a Finnish DSO at midnight during summer:
 - 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)
- Acknowledgements:
 - We describe usage of the ENTSO-E acknowledgment document in the BRS for a Common Harmonised Nordic Retail Market processes.
 - 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 a part of the service.
 - We will add the possibility to use the ENTSO-E acknowledgement document on an “Object level”, i.e. rename the *Time Series Rejection* class to *Object Rejection*
- The Harmonised Electricity Role Model from ebIX®, EFET and ENTSO-E will be used
 - E.g. Metering Point Administrator will be the Datahub (if relevant), or else the DSO
- Datahub
 - The Datahub in Denmark will include combined billing from autumn 2014
 - 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)
 - There are no decisions regarding Datahub in Finland or Sweden

Appendix B QUESTIONS FOR NORDREG

- b) In appendix II, page 15, in the switching report it is stated: “*The DSO sends message with **Meter reading at the switching date** +/- 5 days at the latest 9 days after switching date, to the new and the old Balance Supplier*”. Is the meaning that an actual meter reading must be obtained +/- 5 days, or that it no longer is a need to estimate at the actual switching date?
- c) When the term “day” is used in the switching report, shall this be interpreted as “working days” or “calendar days”?
 - o Comment from Markus:

It would be very difficult to use working days in the Nordic context where the holydays differ between the countries.

Appendix C QUESTIONS TO BE SOLVED IN THE PROJECT GROUP

- d) We need to harmonise technical attributes, such as:
- Message ID (Document ID)
 - Roles (Sender, Receiver, Business Process Role)
 - Request for Acknowledgement
 - Document Type
 - Business Reason
 - Creation Date
 - Business Function (original, new, change, delete.....)

Appendix D CONTENT OF THE PRE-SWITCH CHECKING PROCESS IN THE NORDIC COUNTRIES

D.1 Norway; NUBIX pre-switch checking process

In Norway NUBIX is used in the pre-switch checking process. NUBIX is a system where all DSO's databases are connected to a central service hosted by Statnett (TSO). Suppliers can make requests against the central service via website www.nubix.no or via web-services. The requests are routed to the right DSO based on postal code. The main idea of NUBIX is to let new suppliers obtain and/or verify information about the customer and his metering point ID before starting the switching process. This can be done by three different requests:

- Request for private customers.
- Request for companies.
- Verify already known metering point ID.

The tables below lists request and response content for each request.

D.1.1 Request for private customers:

Request
Customer first name
Customer middle name
Customer family name
Customer address
Date of birth
Flat/unit number
Postal code
City
Meter ID

All fields are optional except Postal Code. At least three fields must be filled in. Customer name fields are considered as one field. Wildcard search with three, four or five characters + an asterisk (*) depending on field, are allowed.

Response.
Request status (Information found/not found etc.)
Grid owner
Customer Name
Date of birth
Meter ID
Address
Postal code
City
Metering point ID
Way of metering (hourly/automatic or manual reading)
Description (free text)
Status of installation active/inactive
Date of last meter reading
Date for delivery obligation
Number of digits on meter
Grid owner.

D.1.2 Request for companies:

Request
Customer name
Customer address
Organization number
Postal code
City
Meter ID

All fields are optional except Postal Code. At least three fields must be filled in. Wildcard search with three, four or five characters+ an asterisk (*) depending on field, are allowed.

Response.
Request status (Information found/not found etc.)
Grid owner
Customer Name
Date of birth
Meter ID
Address
Postal code
City
Metering point ID
Way of metering (hourly/automatic or manual reading)
Description (free text)
Status of installation active/inactive
Date of last meter reading
Date for delivery obligation
Number of digits on meter
Grid owner.

D.1.3 Verify already known metering point ID.

Request
Date of birth
Organization number
Metering point ID
Postal code

Metering point ID and Postal code are mandatory.

Response.
Request status (Information found/not found etc.)
Date of birth or organization number
Address of metering point
Postal code
City
Metering point ID
Way of metering (hourly/automatic or manual reading)

Description (free text)
Status of installation active/inactive
Date of last meter reading
Date for delivery obligation
Number of digits on meter
Grid owner.

D.2 Swedish pre-switch checking information

PRODAT/Z01 (Request):
Metering Point ID
Start date
Metering Grid Area
Reference to authorisation
Transaction ID
Customer ID (Social security number or Organisation number)
Customer Name and Address
PRODAT/Z02 (Response):
Metering Point ID
Metering Method
Metering Grid Area
Reference to requesting Transaction ID
Customer ID
Customer Name and Address
Metering Point Address

The Swedish pre-switch checking process is optional and not much used. All fields are mandatory and the output of the process is a verification of the information sent in, possible a correction of the address and name fields and the Metering Method. The alternative to using PRODAT/Z01 and Z02 is for the supplier to get a “power of attorney” from the customer and send this to the DSO (e.g. via mail) to get the Metering Point ID.

D.3 Finnish pre-switch checking information

In Finland there is a Metering point database, accessible on internet or via Web Service, where the suppliers can get the Metering Point ID. Input is:

Street name
House number
Post code
DSO name.

D.4 Danish pre-switch checking information

In Denmark the Metering Point ID can be obtained online from the Datahub. If the Metering Point ID is known a message based process can be used, where the Supplier sends in the Metering point ID and the result is:

D.4.1 Master Data Metering point

Metering Point ID
Meter reading day
Type of meter reading
Meter reading frequency
Energy limit kW
Energy limit Ampere
Estimated annual consumption
Validity date
Hour data
Metering Point address
Type of Metering Point
Metering Gird Area ID
Connection status
Settlement method
Net settlement group

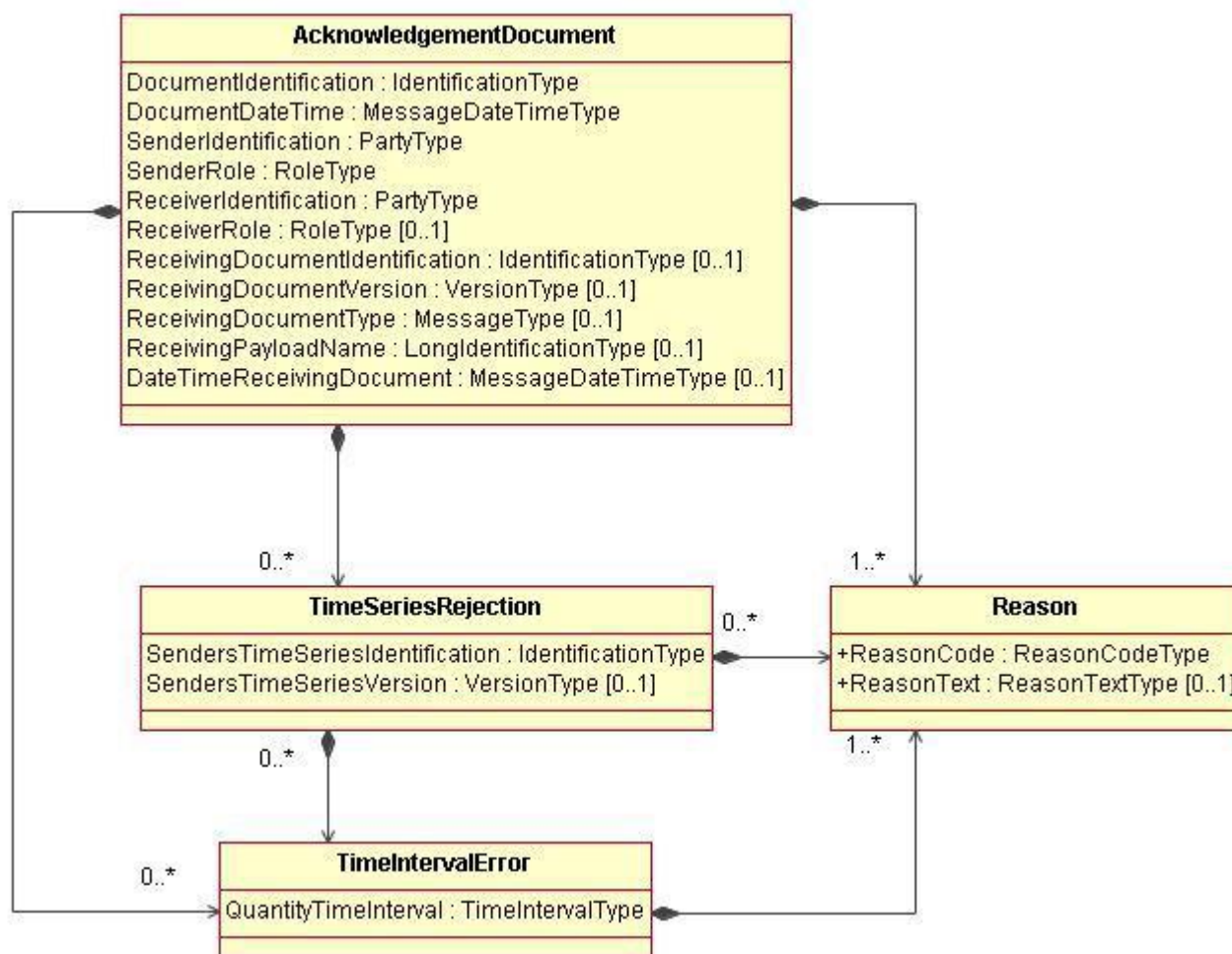
D.4.2 Master Data Meter

Metering Point ID
Meter number
Number of digits
Meter constant
Register ID (Tællværksenhed)
Type of Register

D.4.3 Master data Customer, Balance Supplier

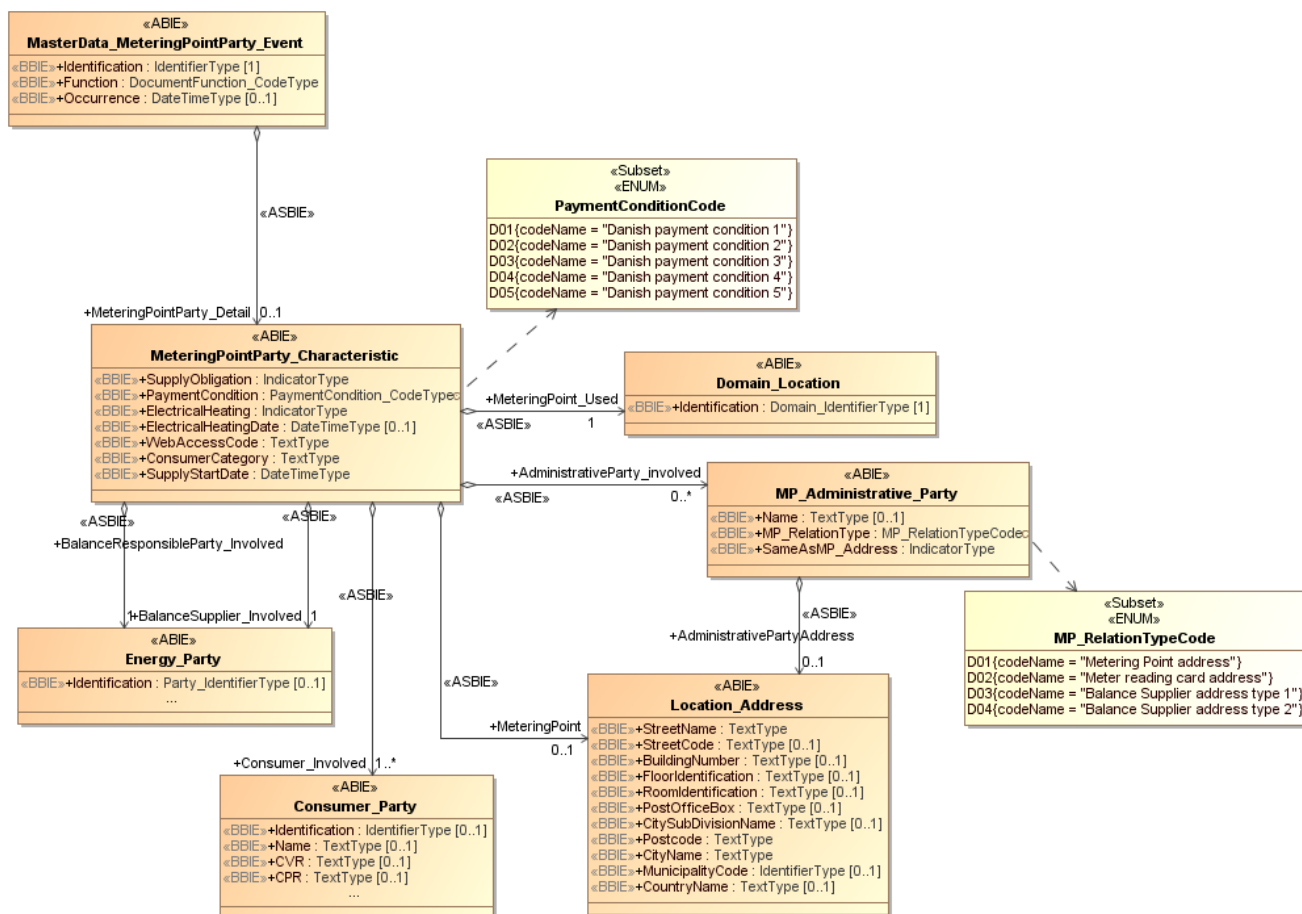
Metering Point ID
Sector code from Danish Energy
Electricity heating (Boolean)
Electricity heating fee start date
Supplier of last resort Customer
Validity date
Customer name(s)

Appendix E ENTSO-E ACKNOWLEDGMENT DOCUMENT



Appendix F USAGE OF ADDRESS FIELDS

F.1 Danish address usage



F.2 Finnish, Norwegian and Swedish address usage

Party name	>	C080	PARTY NAME	D		
		3036	Party name	O	an..35	Party name
		3036	Party name	O	an..35	Party name
		3036	Party name	X	an..35	
		3036	Party name	X	an..35	
		3036	Party name	X	an..35	
		3045	Party name format, coded	X	an..3	
Address	>	C059	STREET	D		
		3042	Street and number/P.O. Box	O	an..35	Address
		3042	Street and number/P.O. Box	O	an..35	Address
		3042	Street and number/P.O. Box	O	an..35	Address
Place	>	3164	CITY NAME	D	an..35	City name
		3229	COUNTRY SUB-ENTITY IDENTIFICATION	X	an..9	
Postcode	>	3251	POSTCODE IDENTIFICATION	D	an..9	Postcode

Country	>	3207	COUNTRY, CODED	O	an..3	Code: Use ISO 3166-1 two alpha country code, e.g.: DK Denmark FI Finland NO Norway SE Sweden
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