Minutes – MDS project meeting

Date: Tuesday and Wednesday May 30th and 31st, 2017
Time: 09:00 – 17:00 (18:00?) and 9:00 – 16:00
Place: TenneT's offices in Arnhem
Present: Ann-Sofie, SE
Christian, DK
Eva (second day), DE
Gerrit, NL
Grazyna, PL
Joachim, DE
Kees, NL
Oscar, SE
Ove, NO
Preben, DK
Stefan, BE
Torleif, NO

Appendix A MDS Work plan
Appendix B MDS proposals for update of ebIX® Business Information Model 2016.A

GDPR startup 2.pptx

Attachments: See item 11, High-level impact analyses regarding the General Data Protection Regulation (GDPR)

GDPR classification of of ebIX entities 2(See item 11, High-level impact analyses regarding the General Data Protection Regulation (GDPR)

--- Main items day 1 (May 30th) ---

1   Approval of agenda

The agenda was approved with the following additions:
- MDS (and ebIX®) abbreviations, see item 3.1
- CIM discussions, see item 9.1
- Profiles for Energy consumption data ("My Energy Data"), see item 15.1 under AOB

2   Approval of minutes from previous meeting

The minutes from previous meeting were approved.

ebIX®/MDS

3   Resolve matters arisen after the ebIX® Forum meeting March 23rd 2017

Decisions:
- ➢ The proposed rename of CuS from the CuS WG was changed to:

MDS:
*ebIX® working group for **M**aster **D**ata **S**tructuring and*
harmonisation in the European energy market.

- ➢ MDS (CuS) will Make a high-level impact analyses regarding the General Data Protection Regulation (GDPR) and a decision document for ebIX® Forum;
- ➢ The WG chairs are asked to give a presentation of new BRSs and other interesting deliverables from the WGs, to ebIX® Forum, for instance as a presentation via Skype or GoToMeeting.

Action Item 2017a-01:
- ➢ Gerrit and Ove will review the ebIX® web site and remove "not valid stuff".

Gerrit and Ove informed:
- • Gerrit and Ove have reviewed the ebIX® web site and proposed a set of updates, which was published a on Friday May 26th. The update includes rename of CuS to MDS;
- • The GDPR is on the agenda for Wednesday may 31st;
- • Referencing the third decision above, Gerrit and Ove will give a presentation of the two reports "Interfering processes" and "Study - multiple suppliers at one connection (prosumers)" at a GoToMeeting Monday July 3rd at 10:00. The invitation has been sent to the ebIX® Forum member list. If anyone from MDS that not is part of the ebIX® member list wants to join, please notice Ove, who will forward the invitation.

Action:
- • Ove will rename "MDS" to "MDS (former CuS)" on the ebIX® home page and add a sentence in the end of the MDS main page (last sentence), such as "During the spring ebIX® Forum meeting 2017, the CuS (Customer Switching) working group was renamed to MDS working group".

- • Ove will inform the webmaster that many browsers don't show sub menus when the mouse pointer is above a main item.

3.1   MDS (and ebIX®) abbreviations
Sanja Medić from HOPS thinks it would be great if we could somehow provide a list of abbreviations used by the MDS group, or better by ebIX® in general.

Action:
- • Ove will make a first draft of a list of MDS (and ebIX®) abbreviations.

4   BRS for Alignment of Customer Characteristics

From review:

- • There are still some missing enumerations in the document (see Appendix B/B.1), due to lack of time at the previous ETC meeting;
- • The BRS was renamed to "Alignment of characteristics for a Customer linked to a Metering Point";
- • The Metered Data Collector was added as an Entitled Role;

- The Document Name Code "E21 Master Data Customer" and Business Reason Code "E34, Update Master Data Customer" were rephrased, i.e. "Consumer" was renamed "Customer" and "Update" was renamed "Align";
- The Document Name Code "E79 Request Master Data Customer" was added;
- A Party Administrator («Candidate Harmonised Role») was added to the ebIX® model with the following proposed definition:

> A party responsible for registering parties in the market.

- It was noted that the two last sentences of the definition of Metering Point Administrator should rephrased:

  o It is assumed that it is the GAP that is responsible for maintaining the Metering Point technical specifications. The MDR is only responsible for storing and administration of the MP technical specifications. And in the definition, there is nothing about having a register to register parties and technical data of a MP.

  o The last sentence should be moved to the Grid Access Provider.

Metering Point Administrator	A party responsible for registering the parties linked to the metering points in a Metering Grid Area. He is also responsible for maintaining the Metering Point technical specifications. He is responsible for creating and terminating metering points.

Actions:
- ETC is asked to add and update enumerations according to Appendix B/B.1;
- Ove will update the BRS and sent to ebIX® Forum on circulation for comments for 14 days before publishing it;
- Kees will make a document as basis for discussion at the next meeting for a Party Administrator and its linking to domains and roles in the HRM;
- Kees and Ove will bring the request for rephrasing the definition of the MPA:

  o It is the GAP that is responsible for maintaining the Metering Point technical specifications. The MDR is only responsible for storing and administration of the MP technical specifications. And in the definition, there is nothing about having a register to register parties and technical data of a MP.

  o Moving the text "He is responsible for creating and terminating metering points" in the definition of Metering Point Administrator to the definition of Grid Access Provider.

## 5 BRS for Alignment of Metering Configuration Characteristics

Ove had as action from previous meeting cleaned up the document and sent the BRS on circulation for comments to ebIX® Forum for four weeks before publishing it. The document was sent May 11th and the commenting period is due by June 8th.

ETC has added new codes to the ebIX® model for:
  a) Meter Type with the following literals; "Electronic", "Analog" and "Advanced (smart)";
  b) Incrementation Type Code with the following literals; "Cumulative" and "Non-cumulative".

The following request was questioned from ETC:
 a) Add a new code "m^3 to Energy" to the Conversion Factor Type Code;
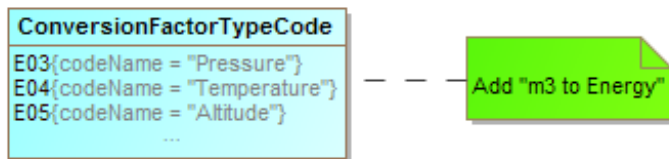
Conclusion:

- No one could remember why the "m³ to Energy" was proposed added as a Conversion Factor, hence the code request was withdrawn.

The following request was an action item for MDS:

b) Add new enumerations for Communication Protocol and Communication Carrier, when there is a proposal from MDS:

  o Everyone are asked to try finding official code list covering the Communication Protocol and the Communication Carrier from Boštjan in Appendix B / **Error! Reference source not found.**:
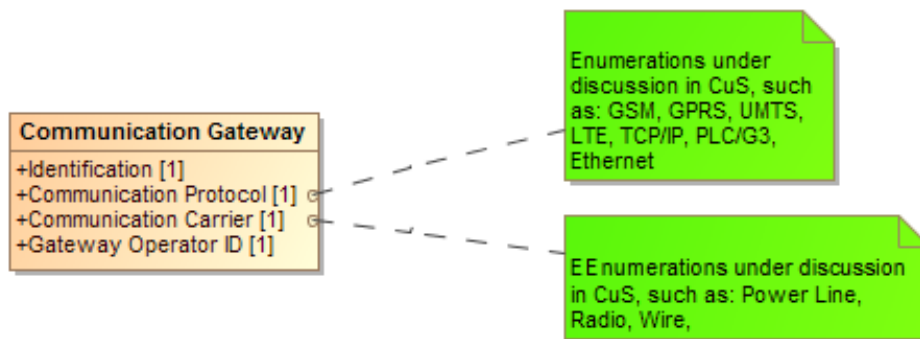
Conclusion:

- The Communication Protocol and Carrier will be optional, keeping the current example in a text box.

Other Changes:

- Document Name Code "E43 Notification from Meter administrator to concerned parties" was changed to "E43 Master Data Metering Configuration";
- Business Reason Code "E84 Update Meter Master Data" was renamed to "E84 Align Master Data Metering Configuration";
- Document Name Code "E38 Request master data, Meter" was renamed "E38 Request master data, Metering Configuration";
- The name of the BRS was changed to **Alignment of Metering Configuration Characteristics for a Metering Point.** However, such a long name is difficult in file names, such as in xml-schemas and make the BRS more difficult to read, hence the addition was skipped in the text of the BRS, UseCases etc.

Action:

- The BRS will be published with the changes noted above, after the commenting deadline.

6   Maintenance Request (MR) to HRM for Gateway Operator and Communication Gateway (status)

Ove had as action from previous meeting to forward the MR to ETC, before submitting it to the HG. However, during the review of the MR in ETC, it was noted that the Gateway Administrator currently not is used anywhere in the MDS BRSs. Hence, ETC asked MDS for a UseCase or other documentation for the usage of the Gateway Administrator.

For the time being the Communication Gateway and the Gateway Operator is used in the BRS for Alignment of Metering Configuration Characteristics for a Metering Point, where it is the Meter Administrator that is responsible for the register containing the Metering Configuration Characteristics. For the time being, there is no UseCase for maintenance of Master Data for a Communication Gateway. Therefore, there is currently no need for a Gateway Administrator.

The MR can be found at: [MDS documents for review](#).

Conclusion:
- Ove will remove the Gateway Administrator from the MR and submit the MR to the next ETC and HG meeting.

7   Study on handling multiple suppliers at one connection (such as for prosumers)

MDS was asked to make comments to the document within three weeks after the previous MDS meeting, however without any comments received. Hence, on April 20th the document was sent on circulation for comments to ebIX® Forum for four weeks (until May 19th).

During the ebIX® Forum review period, the following comments have been received:

- Boštjan sent a comment regarding handling of "Storage" (in batteries), i.e. Storage in master data for billing and balancing; could Storage bring some exceptions?

    o In practice in Slovenia I miss rules how to handle the Storage in connection schemas in master data in billing and balancing (in balancing I think it is all known and there is no open questions). I miss the same in ebIX. I have nothing to follow. Or could I miss something?
    Comment from MDS:
    ▪ From MDS perspective, we have consumption (in-feed) and/or production (out-feed). At least so far, MDS has not been concerned about storage.

    o Probably Storage will bring us some exceptions. My opinion is that Storage could be included in document or first finish and publish document and then add a Storage in phase II.

    Comment from MDS:
    ▪ It was noted that storage of energy is an application of the consumption and production, and something that is on the inside of the connection to grid, hence not part of the document.

- Comments from Finish background group (Minna) - no blocking comments:

    o It would be easier to comment different versions of the document if "Track Changes" is on.
    Comment from MDS:
    ▪ Normally MDS tracks changes, but this was the first official version distributed to ebIX® Forum.

    o This recommendation document should avoid describing the physical electricity grid and focus on the data exchange between the actors.
    Comment from MDS:
    ▪ Normally this is correct, but this document is an exception, to describe how to administratively handle the physics in the connection point to the grid.

    o You have to be careful when setting: Main MP / Sub MP. Can the processes be different at different MP´s? In our view, the Main MP may be a point to collect all Sub MP´s, but processes such as supplier exchange must be the same for all Sub MP´s. So, Main MP is "stupid" it doesn´t have any other functions than collecting/linking Sub MP´s. Sub MP´s are all measured and balanced.

Comment from MDS:

- A sentence is added: "The link is typically used when the Customer moves out from all MPs linked to this Customer at this Installation". In addition, it is assumed to be only one physical connection with more than one MP behind and there must be one Customer and one Balance Supplier responsible for this "connection".

- Comments from Karsten Feddersen (Energinet):

  o We have a bit of a difficulty identifying the purpose of the document by reading the content. The report is named "Study" but in the introduction it says "recommendation". Also the question is for whom do we write this? Do we want to share experience or do we want to influence someone?
  Comment from MDS:
    - "Recommendation" is renamed "study";
    - The intended audience is added in the introduction.

  o If we consider this to be a study this document would be meant to be shared information among us. Then appendix A should be uplifted to a chapter that states the situation among the members and especially some arguments about why the solutions have been chosen by the members and what problems they have caused by doing it the way it has been done.
  Comment from MDS:
    - MDS thinks that adding "arguments about why the solutions have been chosen by the members and what problems they have caused by doing it the way it has been done" is too much work and will delay the publication of the document by months.

  o If we consider it to be a recommendation we miss a lot of information. For example what problem the report tries to solve, who has the problems and why have they occurred. Then we need to identify how we come to a conclusion on a solution and especially arguments of why the recommendation is as it is.
  Comment from MDS:
    - An introduction to chapter "2 Problem statement" has been added.

  o Also both USEF and the Winter Package is mentioned in the report. In both cases they emphasize the importance of aggregators, demand side response and flexibility. However there is no implementation recommendation for that at all. The report only states how to have two balance suppliers but not how to handle DSR or aggregators.
  Comment from MDS:
    - The intention is not to solve USEF and Winter Package issues, but to find logical (modelled) ways of handling MPs when there is more than one supplier and/or BRP in a connection, which may be the consequence of the introduction of DSR, flexibility and aggregators. How to handle DSR, flexibility and aggregators is a task for the new "ebIX® project for distributed flexibility processes around aggregator".

  o If this truly should be a recommendation by ebIX, based on a study of how things are done among the ebIX members we should for example take the samples from USEF, evaluate/discuss the scenarios, select a few for recommendation and then suggest a possible way of implementation of the models including an identification of pros and cons and arguments for why the recommendation is as it is.
  Comment from MDS:
    - This is a job for the "New project – distributed flexibility/modelling processes around aggregator", agreed at the previous ebIX® Forum meeting.

There was a longer discussion regarding Connections, Connection Points, Installations, Metering Points and Accounting Point and it was agreed to remove the term Connection Point from the document.

Action:

- Gerrit will update the document, by removing the term "Connection Point" and replace it with "something else" (the latest document is published at: MDS documents for review).

8   Status for MDS surveys, memos, notes, etc.

Ove and Gerrit had as action from previous meeting gone through the minutes from the last two years and found possible interesting memos to be published:

Status	Document	Date	Status/proposal
Agreed to be published	Interfering processes	April 2017	Already published at www.ebIX.org
	ebIX Study - multiple suppliers at one connection (prosumers)	April 2017	To be rephrased and resent to ebIX® Forum, see item 7 above.
Candidate for publication after review in MDS	Move in the past	December 2016	Will be published as a MDS document (not to be sent to ebIX® Forum)
	Survey (inventory) of how much of the ebIX® deliverables are used	February 2015	Internal MDS document
	Prosumers - balancing method	March 2017	• Gerrit will rephrase the usage of the term "balancing method" • Thereafter Stefan will review the document • Finally, Ove will publish it as a MDS report
Proposed as internal MDS documents	Memo - How to model MPs Parties and Validity Date in CuS	August 2016	Will be kept as internal MDS documents
	Change of MP attributes	February 2016	
	Inventory of relevant CuS downstream processes	April 2015	

Action:

- Move in the past document:
  - Ove will publish the document as is, as a MDS document (not to be sent to ebIX® Forum).
- Prosumers - balancing method document (the latest document is published at: MDS documents for review):
  - Gerrit will rephrase the usage of the term "balancing method";
  - Thereafter Stefan will review the document;
  - Finally, Ove will publish it as a MDS report.

9 BRS for Request Change of MP Characteristics

Due to lack of time at the previous ETC meeting, there was no update of enumerations as requested in Appendix B/B.2.

Ove had cleaned up the BRS and had a few questions:

- Should the Request change of MP characteristic from BS be moved to a BRS for "Customer characteristics"?
  Conclusion:
    - We keep it as is for the time being, however the question may be reopened at a later stage.
- Should we align the "Customer characteristics class diagram" with the "change of MP characteristic from BS class diagram"?
  Conclusion:
    - Yes, we split the Customer class into a Customer class with the Customer name and a Customer Identification class, in the three BRSs; Alignment of Customer Characteristics, Alignment of MP Characteristics and Request change of MP Characteristics.
- Should the name of the BRS be changed to Request **update and** change of MP characteristic?
  Conclusion:
    - We keep it as is.
- Can we use Document Name Code "E21 Master Data Customer" and Business Reason Code "E34, Update Master Data Customer" for all documents (Request, Notify and Reject)?
  Conclusion:
    - ETC is asked to find Document Name Codes and Business Reason Codes.
- Do we need a confirmation in the Request change MP characteristics from GAP and BS, when the process Notify MP characteristics is «included» in the process?
  Conclusion:
    - Due to lack of time, the question was postponed.

Action:
- Ove will split the Customer class into a Customer class with the Customer name and a Customer Identification class, in the three BRSs:
    - Alignment of Customer Characteristics;
    - Alignment of MP Characteristics;
    - Request change of MP Characteristics.
- ETC is asked to find Document Name Codes and Business Reason Codes, see Appendix B/B.2.

An updated draft BRS can be found at: [MDS documents for review](#).

9.1 CIM discussions
Ove informed for a discussion in common ebIX® and IEC/TC57/WG16 and ebIX® project:

1. ebIX® has asked for addition of "Voltage level" (high, medium, low…) to CIM. Since there already is a Voltage Level in CIM, where the actual voltage level is used, the IEC suggestion to call it "Voltage Category".

2. Since we also want to add "Pressure level" it is suggested that a solution could be having a more abstract attribute in the basic CIM. And instead have "Voltage x" and "Pressure x" as attributes in the profiles based on the basic CIM. One advantage is that the basic CIM will not need to add a specific gas-attribute. I.e. it will be easier to add a single attribute in CIM instead of two, an attribute that not will be used both for gas and for electricity at the same time.

    The question would then be: What could the name and definition be of this single generic attribute?

> ***Proposal from Ove:*** "**Force**" (ref. "Electromotive force" (…energy per unit of charge, measured in volts – see https://en.wikipedia.org/wiki/Electromotive_force))

> ***Proposal from Gerrit:*** "**Connection Level**": "the voltage or pressure level the MP is connected to the grid".

Due to lack of time, the item was only "touched upon". The item will be put on the next agenda if still valid.

10 BRS for "Request change grid responsibility"

Ove had as actions from previous meeting cleaned up the BRS. The action item for ETC (Appendix B/B.3) has been postponed, due to lack of time at the previous ETC meeting.

Due to lack of time a review of the BRS was postponed

An updated draft BRS can be found at: MDS documents for review.

<p align="center">**--- Main item day 2 (May 31st) ---**</p>

11 High-level impact analyses regarding the General Data Protection Regulation (GDPR)

ebIX® Forum decisions:
> ➢ MDS will Make a high-level impact analyses regarding the General Data Protection Regulation (GDPR) and a decision document for ebIX® Forum;

Short about GDPR:
- The European Parliament, the European Council and the European Commission intend to strengthen and unify data protection for individuals within the European Union;
- Also, addresses export of personal data outside EU;
- Primary objectives:
  - give citizens back the control of their personal data;
  - simplify the regulatory environment for international business by unifying the regulation within EU.
- GDPR will replace the data protection directive from 1995;
- GDPR enters application May 25th 2018;
- Unlike a directive, GDPR does not require any enabling legislation to be passed by national governments.

Gerrit had made a PowerPoint presentation as an introduction to the topic (attached).

From related discussion:
- The directive may have impact on ebIX® itself, such as the ebIX® WG member list at the ebIX® web site and the participant lists in minutes and agendas;
- From MDS perspective, we must:
  - Minimise the content of the information exchanged, such as the Master Data documents, for each of the Entitled Roles separately;
  - Make a list over which data elements that are "privat";
  - Specify the reason for exchanging each attribute.
- There are three classes of privacy:
  - Normal;
  - Sensitive, such as consumption data and bank-account data;
  - Highly sensitive, such as health data, religion, crime data etc.

- We need the specify the reason why a personal element is to be used in the exchange, as this will give the legal reason to use the elements. The admissible reasons have to be "provable" and are:
  - (explicit) permission from the customer;
  - in execution of a contract with the customer;
  - legal obligations;
  - in protection of vital interests of the customer;
  - in order to perform a duty of common (national) interest;
  - justified interest of the dataprocessee.

Most of the day was used to make a memo the classifies ebIX® entities that are concerned by GDPR, the document is attached.

The first part of the document considers the ebIX® master data BRSs, where all classes, or if necessary on attribute level, are classified as "personal" or "none". The classes and/or attributes that are marked as "personal" are assumed to be concerned by the GPDR.

The second part of the document lists the main processes defined by ebIX® and shows the reason for sending the documents. When applicable also the reason for sending the classes and attributes in a document are listed.

Action:
- Everyone are asked to review the attached memo and come up with comments (also published at MDS documents for review).

--- If time items (item 9 to item 13) ---

12   BRS for Alignment of Area Characteristics

Due to lack of time the item was postponed. The latest BRS can be found at: MDS documents for review.

13   BRS for change of BRP (bulk change of BRB)

Due to lack of time the item was postponed. The latest BRS can be found at: MDS documents for review.

14   Meeting schedule

- Tuesday and Wednesday September 12th and 13th, Oslo;
- Wednesday and Thursday November 15th and 16th, Berlin (Meeting Location: RWE Aktiengesellschaft, Office Berlin, Friedrichstraße 95 (in the International Trading Center, (Internationales Handelszentrum = IHZ)), 10117 Berlin (Near to the S+U-Bahnhof Friedrichstraße);
- Tuesday and Wednesday December 19th and 20th, Denmark, Austria or Croatia.

15   AOB

15.1   Profiles for Energy consumption data ("My Energy Data")

Ove informed of a new IEC "NWI" (New Work Item Proposal). The scope of the proposed deliverable is:

"My Energy Data" (MED) is the term adopted as a generic description of services to offer customers (residential, municipalities, …) the possibility of downloading their energy consumption information and granting access to third parties to that information to enable service providers to offer analytical and other services to customers (residential, municipalities, …).

Europe needs to define a standard to support the "My Energy Data" requirements.

The application domain of this work is limited to customers connected to Distribution System Operator (DSO) grids.

Proposed deliverable: an XML schema supporting "download my Energy consumption".

The project will be run with European Smart Grids Task Force Experts Group 1 of the European Commission and CEN-CENELEC-ETSI Smart Energy Grid Coordination Group, CLC TC13 as liaisons. The initiator is Eric Lambert, EDF Lab Paris-Saclay.

Appendix A   MDS Work plan

#	Activity	Priority	Start	End
A)	Master data for Customer parties, including how to handle the different attributes related to the Consumer, such as consumer contact information (e.g. address and invoice address).	1st	Q4/2014	Q1/2017
B)	Master data for energy industry parties, such as BRPs and BSs	2nd	Q4/2014	Q4/2017
C)	Request change of attributes connected to a MP, such as Closing and Reopening MPs, Change of Metering Method and Change of time frames	3rd	Q1/2015	Q1/2017
D)	Combined grid and supply billing (invoicing), including MD for products, such as; grid fees, grid subscriptions, …	4th	Q2/2015	Q2/2018
E)	Interfering processes – a matrix of processes with priorities, when a given process is interfered by another, such as when a customer move comes in the middle of a change of supplier process.	**5th**	Q2/2015	Q2/2017
F)	"Switch of grid", for instance a part of a Metering Grid Area (MGA), such as a village, that is transferred from one GAP and MGA to another	**6th**	Q3/2015	Q2/2017
G)	MPs having multiple parties with similar roles, e.g. a MP with different BRPs for production and consumption	**7th**	Q4/2015	Q4/2017
H)	Master data for domains, such as which MGAs that belongs to a MBA and related characteristics of these domains (can be changed after harmonisation of HRM and new domains from the network codes from ENTSO-E)	8th	Q4/2016	Q3/2017
I)	Change of BRP in Metering Grid Area, "Price Area" or country (not at MP level) (Proposed by DK), i.e. a "bulk change of BRP (and/or BS?)"	9th	Q4/2016	Q4/2017
J)	"Life cycle of a MP", including how technical events interact with administrative processes and responsibilities	10th	Q1/2017	Q2/2017
K)	Efficient data alignment, including the possibility to request historical and/or future master data.	11th	Q1/2017	TBD
L)	The possible role of a datahub in the processes (Proposed by DK) • Seen from the supplier side • Seen from the DSO side • Seen from the metering side When adding a datahub to a market the datahub will replace the DSOs, to a large extend, i.e. the MPA will be the datahub. Among others, the proposal includes processes between the GAP and the MPA.	12th	Q3/2017	TBD
M)	Request for services. The item concerns chargeable requests from the BS to the DSO for changes to a MP or a Meter, such as: • Request for metered data	13th	Q4/2017	TBD
N)	QA of the MDS model and consistency of the MDS and EMD models	Awaiting EMD part of the	TBD	TBD

|		combined billing process		
O)	New processes for "demand/response", which may add new tasks for the MDA	Awaiting EMD survey and ebIX® Forum decision	TBD	TBD
P)	Review of published BRSs: • The MP parties should be linked to the MP instead of the "document", to be in line with BIM and CIM • The discussion must include bulk switch, where we will have one party with multiple MPs	TBD	TBD	TBD
Q)	Handling of "Installation Metering Points" and/or fields (may be related to the item above)	TBD	TBD	TBD
R)	New (enhanced) processes for labelling	TBD	TBD	TBD

Appendix B   MDS proposals for update of ebIX® Business Information Model 2016.A

B.1   BRS for Alignment of characteristics for a Customer linked to a Metering Point
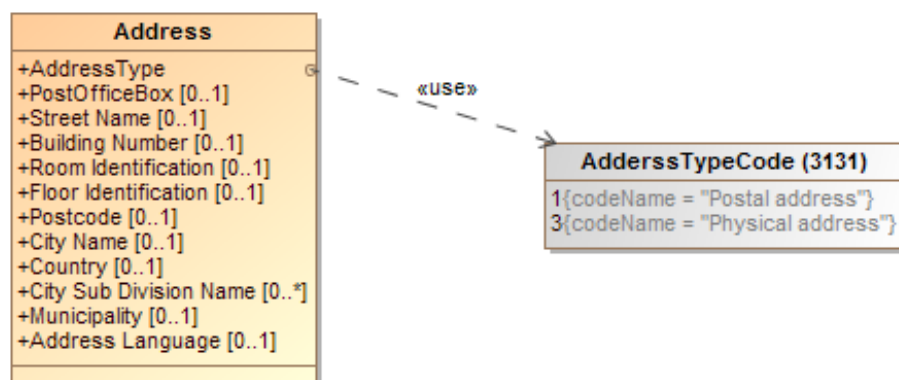
a) Document Name Code E08 should be deprecated, since it is replaced with E43.

b) Add the attribute "ID Scheme Type" to the ebIX® model:
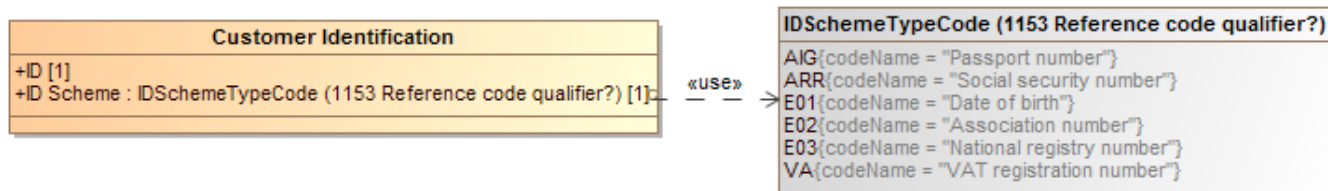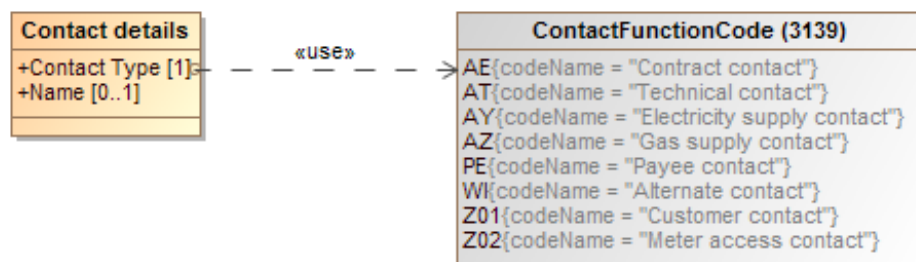

c) Add a Communication Channel Type:
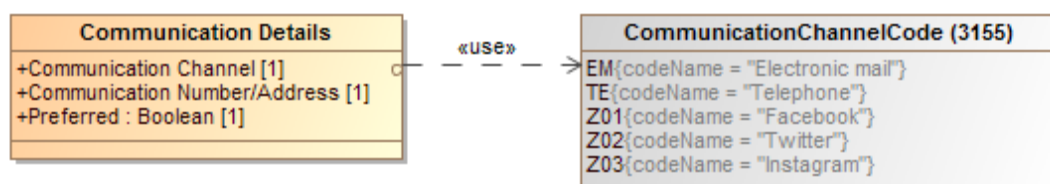
d) Add an Address Type, based on UN/CEFACT 3131 Communication Channel Code:

e) Add a new enumeration "Contact function code" based on "3139 Contact function code":

MDS requirements	3139 Contact function				
	code	name	definition	CuS comments	ETC comments
Main contact	AY	Electricity supply contact	Department/person to contact for matters regarding electricity supply		
	AZ	Gas supply contact	Department/person to contact for matters regarding gas supply		
	~~BF~~	~~Service contact~~	~~Department/person to be contacted in service matters.~~		possible alternatives for "Main contact"
	~~IC~~	~~Information contact~~	~~Department/person to contact for questions regarding transactions.~~		
	Z01	**Customer contact**	The main department/person to contact at the customer		UN/CEFACT will be asked for a new code
Neighbour, House keeper (caretaker)	**WI**	**Alternate contact**	Alternate department or person to contact	CuS want one combined code	
	~~AV~~	~~Maintenance contact~~	~~Department/person to contact for matters regarding maintenance~~		
Invoice contact	**PE**	**Payee contact**	Department/employee to be contacted at the payee		
Technical	**AT**	**Technical contact**	Department/person to contact for matters regarding technical issues.		
Meter reading	~~AQ~~	~~Quantity surveyor contact~~	~~Department/person to contact for matters regarding quantity surveying~~	CuS wants a new UN/ CEFACT code (see below)	
	Z02	**Meter access contact**	Department/person to contact for matters regarding meter reading, including access to the Meter		UN/CEFACT will be asked for a new code
Contract contact	**AE**	**Contract contact**	Department/person to contact for matters regarding contracts	NEW	

B.2   BRS for Request Change of MP Characteristics

a) Can we remove the Document Name Code from the ebIX® models?
b) Add a new Document Name Code for "Request update MP characteristics";
c) Rename Business Reason Code E32 to "Change MP characteristics" or add a new Business Reason Code;
d) Add a new Business Reason Code for "Response Update MP characteristics";
e) Make Response Reason Code E17 more generic (remove "switch" – Replace with "change"(?));
f) Add a new Response Reason Code "Invalid requested value(s)".

B.3   BRS for Request Change grid responsibility

a) ETC is asked to find Document Name codes for:
    o   Request change grid responsibility;
    o   Response change grid responsibility;
    o   Notify change grid responsibility;

And Business Reason codes for Change grid responsibility.