


<b>Minutes:</b> MDS meeting September 12 <sup>th</sup> and 13 <sup>th</sup> 2017	 <b>European forum for energy Business Information eXchange</b>
September 21 <sup>st</sup> , 2017	<b>MDS</b> (ebIX <sup>®</sup> working group for <b>Master Data Structuring</b> and harmonisation in the European energy market)

## Minutes – MDS project meeting

<b>Date:</b>	Tuesday and Wednesday September 12 <sup>th</sup> and 13 <sup>th</sup> , 2017
<b>Time:</b>	09:00 – 17:30 and 9:00 – 15:30
<b>Place:</b>	Edisys offices in Oslo
<b>Present:</b>	Christian Odgaard, Energinet.dk; Gerrit Fokkema, EDSN; Joachim Schlegel, Innogy; Kees Sparreboom, TenneT; Minna Arffman, Fingrid; Ove Nesvik, Edisys; Preben Høj Larsen, Energinet.dk. Torleif Korneliussen, Hafslund;
<b>Appendix A</b>	MDS Work plan
<b>Appendix B</b>	Member list
<b>Appendix C</b>	MDS proposals for update of ebIX <sup>®</sup> Business Information Model 2016.A
<b>Attachments:</b>	None

### --- Main items day 1 (September 12<sup>th</sup>) ---

#### 1 Approval of agenda

The agenda was approved with the following additions:

- Question from ETC regarding CIM and Metering Configuration Characteristics, see item 4.1;
- Can we skip all physical elements from the MP characteristics? See item 9.1;
- BRS for Customer move, see item 15.1 under AOB.

#### 2 Approval of minutes from previous meeting

The minutes from previous meeting were approved.

#### 3 List of MDS (ebIX<sup>®</sup>) abbreviations

Gerrit had made some comments to the first draft from Ove, such as addition of two new columns (“Category” and “Short explanation in ebIX<sup>®</sup> perspective”), including proposals for text.

**Action:**

- Ove will update the document (add missing text), send it on circulation for comments to MDS (and the original requestors) for 14 days and thereafter publish it at the ebIX<sup>®</sup> document page.

## 4 BRS for Alignment of Metering Configuration Characteristics

The BRS version 1.1.A was approved by ebIX® Forum and published at [www.ebix.org](http://www.ebix.org) in June.

It was agreed to add the Gateway Operator as a Linked role in the BRS.

### Action:

- Ove will add the Gateway Operator as a Linked Role, send it on circulation for comments to MDS for 14 days, thereafter send it to ebIX® Forum for 4 weeks, before finally publishing it at the ebIX® document page.

### 4.1 Question from ETC regarding CIM and Metering Configuration Characteristics

ETC had sent the following suggestion to MDS, with the intention to forward the suggestion to ebIX® Forum:

- We will consider to skip the collected data, the physical characteristics of a MP and Metering Configuration Characteristics, at least for the near future, to avoid dealing with WG14, i.e. to concentrate on WG16 issues.

From discussion:

- Kees explained that the intention is to remove all technical information as related to the Meter and the Metering Point from the ebIX® model, not only from the mapping between the ebIX® model and CIM. The reason is challenges in the linking of the physical information to the Usage Point (the physical connection maintained by WG14) and at the same time linking the administrative information to the Market Evaluation Point (maintained by WG16);
- Christian and Preben stressed that some of the physical characteristics are needed in the Danish market, which was supported by Norway. Examples are “Number of digits” and “Capacity of Metering Point”.

### Conclusion:

- MDS is against skipping the collected data, the physical characteristics of a MP and Metering Configuration Characteristics. ETC will be informed of the conclusion.

See also related item 9.1.

## 5 Maintenance Request (MR) to HRM for Gateway Operator and Gateway (status)

Ove should as homework from previous meeting remove the Gateway Administrator from the MR and submit the MR to the next ETC and HG (ebIX®, EFET and ENTSO-E Harmonisation Group) meeting. However, during the ETC review It was agreed to ask MDS to make a new review before forwarding it to the HG. The reason being that ETC not completely understand the configuration. For instance; is connection/disconnection a part of the Communication Gateway?

From discussion:

- Joachim explained that a “Metering Point Gateway” in Germany may be linked to several Meters. Further, a “Metering Point Gateway” will have its own Registers, for storing and aggregating collected data from the Meter(s);
- Joachim also informed that Germany will introduce a Market Location Point (MLD) in February 2018, which will be used for the Market processes, with the following characteristics:
  - The MLD has its own ID;
  - A MLD may be connected to several MPs;
  - Balance Supplier related processes, such as supplier switch, will reference the MLD and not the MP.

The MR was reviewed and updated. Among others, the “Communication Gateway” was renamed to “Metering Point Gateway” (in Germany called “Smart Meter Gateway”). The MR can be found at: [MDS documents for review](#).

**Action:**

- Ove will send the updated MR to ETC for new review, before submission to the HG.

**6 Presentation of MDS documents for ebIX® Forum**

Gerrit reported that the responses from the presentations of "Interfering processes" and "Study - multiple suppliers at one connection (prosumers)", held July 3<sup>rd</sup> this year, have been positive. About 10 people participated in the presentation that lasted for about half an hour.

Gerrit will await an ebIX® Forum response before continuing with more presentations.

**7 Status for MDS surveys, memos, notes, etc.**

All MDS surveys, memos, notes etc. that were awaiting publication, have been published. This includes the memos; “List of possibilities for a move in past” and “Smart meter reading methods” (Renamed from “Prosumers - balancing method”).

**8 BRS for Alignment of characteristics for a Customer linked to a Metering Point**

Ove had as action from previous meeting updated the BRS and sent it to ebIX® Forum on circulation for comments until August 31<sup>st</sup>. Since there were no comments, the BRS has been published at [www.ebix.org](http://www.ebix.org).

ETC had updated the ebIX® MD model, see Appendix C/C.1.

At the previous MDS meeting it was noted that the two last sentences of the definition of Metering Point Administrator in the HRM should be rephrased. ETC reviewed the definition and made a proposal for update of the MPA and GAP definitions, however ETC was not really satisfied with the proposal, since the split between physical and administrative not is clear. The CIM split into Usage Point (physical) and Market Evaluation Point (administrative) should be reflected in the definition.

Metering Point Administrator	A party responsible for registering the parties linked to the Metering Points in a Metering Grid Area. <del>He</del> <u>The party</u> is also responsible for <del>maintaining registering and sharing</del> the Metering Point <del>technical specifications</del> <u>characteristics</u> . <del>He is responsible for creating and terminating metering points.</del>
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Grid Access Provider	A party responsible for providing access to the grid through a <u>Accounting Metering Point</u> <del>and its use</del> for energy consumption or production to the Party Connected to the Grid. <u>The party is also responsible for creating and terminating Metering Points.</u>
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**Conclusion:**

- The change was agreed by MDS, after removing the responsibility for updating MP characteristics from the GAP (as other roles have that responsibility too) and changing Accounting Point to Metering Point.

In addition, two questions from previous MDS meeting were discussed:

1. Should the BRS include transfer of Customer data from the Old to the New Supplier (originating from Gerrit)?

**Answer:**

- Not part of the ebIX® process – This was added to the BRS

2. How can the old BS get the invoice address to a customer moving out?

**Answer:**

- Because of the answer above; from the Customer.

**Action:**

- Kees and Ove will present the proposal for update of the definition of MPA and GAP at the next HG meeting, September 20<sup>th</sup>, for approval at the HG meeting thereafter.
- Kees will make a discussion document with a proposal for how a Party Administrator can be linked to domains and roles in the HRM;
- Ove will update the BRS, send it on circulation for comments to MDS for 14 days, thereafter send it to ebIX® Forum for 4 weeks, before finally publishing it at the ebIX® document page.

## 9 BRS for Request Change of MP Characteristics

Ove had as action from previous meeting to 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 had made the following updates in the MD model, regarding change/updated of MP characteristics:

- The Document Name Code for **E58** “Request to change metering point attributes” was renamed to “**Request change MP Characteristics**”;
- The Document Name Code for E59 “Confirmation/rejection of change metering point attributes” was renamed to “**Response request change MP Characteristics**”;
- The Document Name Code **E80** “**Request update MP characteristics**” was added;
- The Document Name Code **E81** “**Response request update MP characteristics**” was added;
- The Business Reason Code **E32** “Update master data metering point” was renamed to “**Update MP characteristics**”
- The Business Reason Code **E05** “**Change MP characteristics**” was added;
- Response Reason Code **E17** was made more generic (“switch” renamed to “change”);
- It was NOT added a new Response Reason Code for “Invalid requested value(s)” – use E86 “Incorrect value”.

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

**Action:**

- Ove will update the BRS with the new codes from ETC, send it on circulation for comments to MDS for 14 days, thereafter send it to ebIX® Forum for 4 weeks, before finally publishing it at the ebIX® document page.

### 9.1 Can we skip all physical elements from the MP characteristics?

The question originates from ETC, who is discussing if it is possible, for the time being, to skip the CIM Usage Point, which is the responsibility of WG14, and focus on work within WG16.

See also related item 4.1.

**Conclusion:**

- We keep it as is.

## 10 BRS for “Request change grid responsibility”

Ove had as actions from previous meeting cleaned up the BRS.

Code requests for ETC is listed in Appendix C/C.3, but ETC will not do anything before MDS has finalised the BRS.

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

**Action:**

- Ove will update the BRS.

### --- Main item day 2 (September 13<sup>th</sup>) ---

## 11 Continue high-level impact analyses regarding the General Data Protection Regulation (GDPR)

The memo “classification of ebIX entities” was reviewed and updated.

From discussion:

- Gerrit stressed that an actor in the energy market cannot send customer data to a Requestor, unless the Customer has explicitly agreed to the exchange of its data;
- Minna explained that the Finnish data hub has defined all attributes linked to a MP as “personal”.

**Action:**

- Ove will add reasons for all MDS documents and not-aggregated EMD documents;
- Everyone is asked to review the attached memo and come up with comments (also published at [MDS documents for review](#)).

### --- If time items ---

## 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)

The BRS was reviewed and updated, among others was the “Area class” removed from all class diagrams. The latest BRS can be found at: [MDS documents for review](#).

**Action:**

- Ove will update the BRS.

## 14 Meeting schedule

- Wednesday and Thursday November 15<sup>th</sup> and 16<sup>th</sup> in 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)  
Hotel proposal:  
ApartHotel Residenz am Deutschen Theater  
Send a request to [[info@aparthotel-residenz.de](mailto:info@aparthotel-residenz.de)] before October 10th, with the following reservation number: Abrufkontingent 223730 – and the discount code: RWE (99,5 € incl. breakfast)  
Alternative:  
NH Collection Berlin Mitte Friedrichstrasse (same building as the venue)
- Tuesday and Wednesday December 19<sup>th</sup> and 20<sup>th</sup>, Denmark (or Austria or Croatia)

## 15 AOB

### 15.1 BRS for Customer move

Ove informed that he had made BIMs for:

- Customer Move
- Change of Metered Data Responsible
- End of Metered Data Responsible
- Change of Transport Capacity Responsible Party

During this work, Ove had updated the BRS for Customer Move by adding codes to all class diagrams.

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

#### **Action:**

- Ove will send the BRS for Customer Move on circulation for comments to MDS for 14 days, thereafter send it to ebIX® Forum for 4 weeks, before finally publishing it at the ebIX® document page.

## 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).	1 <sup>st</sup>	Q4/2014	Q1/2017
B)	Master data for energy industry parties, such as BRPs and BSs	2 <sup>nd</sup>	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	3 <sup>rd</sup>	Q1/2015	Q1/2017
D)	Combined grid and supply billing (invoicing), including MD for products, such as; grid fees, grid subscriptions, ...	4 <sup>th</sup>	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.	5 <sup>th</sup>	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	6 <sup>th</sup>	Q3/2015	Q2/2017
G)	MPs having multiple parties with similar roles, e.g. a MP with different BRPs for production and consumption	7 <sup>th</sup>	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)	8 <sup>th</sup>	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?)”	9 <sup>th</sup>	Q4/2016	Q4/2017
J)	“Life cycle of a MP”, including how technical events interact with administrative processes and responsibilities	10 <sup>th</sup>	Q1/2017	Q2/2017
K)	Efficient data alignment, including the possibility to request historical and/or future master data.	11 <sup>th</sup>	Q1/2017	TBD
L)	<p>The possible role of a datahub in the processes (Proposed by DK)</p> <ul style="list-style-type: none"> <li>• Seen from the supplier side</li> <li>• Seen from the DSO side</li> <li>• Seen from the metering side</li> </ul> <p>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.</p>	12 <sup>th</sup>	Q3/2017	TBD
M)	<p>Request for services. The item concerns chargeable requests from the BS to the DSO for changes to a MP or a Meter, such as:</p> <ul style="list-style-type: none"> <li>• Request for metered data</li> </ul>	13 <sup>th</sup>	Q4/2017	TBD

N)	QA of the MDS model and consistency of the MDS and EMD models	Awaiting EMD part of the combined billing process	TBD	TBD
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: <ul style="list-style-type: none"> <li>• The MP parties should be linked to the MP instead of the “document”, to be in line with BIM and CIM</li> <li>• The discussion must include bulk switch, where we will have one party with multiple MPs</li> </ul>	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 Member list

### Members:

Name		Company	Telephone	Mobile	E-mail
Stefan De Schouwer	BE	Atrias			<a href="mailto:stefan.deschouwer@atrias.be">stefan.deschouwer@atrias.be</a>
Thibaut Hellin	BE	Atrias		+32 476 52 07 78	<a href="mailto:thibaut.hellin@atrias.be">thibaut.hellin@atrias.be</a>
Joachim (Joe) Schlegel	DE	innogy	+49 231 438-1787	+49 1722364396	<a href="mailto:Joachim.Schlegel@westnetz.de">Joachim.Schlegel@westnetz.de</a>
Christian Odgaard	DK	Energinet.dk	+45 76 22 44 63	+45 23 33 85 55	<a href="mailto:cco@energinet.dk">cco@energinet.dk</a>
Preben Høj Larsen	DK	Energinet.dk			<a href="mailto:PHQ@energinet.dk">PHQ@energinet.dk</a>
Minna Arffman	FI	Fingrid		+358 40 648 3015	<a href="mailto:Minna.Arffman@fingrid.fi">Minna.Arffman@fingrid.fi</a>
Gerrit Fokkema (Convenor)	NL	EDSN	+31 355 480 180	+31 622907787	<a href="mailto:gerrit.fokkema@edsn.nl">gerrit.fokkema@edsn.nl</a>
Kees Sparreboom	NL	TenneT		+31 622 66 7911	<a href="mailto:kees.sparreboom@capgemini.com">kees.sparreboom@capgemini.com</a>
Christian Valland	NO	Norgesenergi			<a href="mailto:Christian.Valland@norgesenergi.no">Christian.Valland@norgesenergi.no</a>
Ove Nesvik (Secretary)	NO	EdiSys	+47 22 42 13 80	+47 928 22 908	<a href="mailto:ove.nesvik@edisys.no">ove.nesvik@edisys.no</a>
Torleif Korneliussen	NO	Hafslund		+47 908 47 285	<a href="mailto:Torleif.Korneliussen@hafslund.no">Torleif.Korneliussen@hafslund.no</a>
Grazyna Hańderek	PL	Tauron Dystrybucja	+48 32 303 52 01	+48 508 006 285	<a href="mailto:Grazyna.Handerek@tauron-dystrybucja.pl">Grazyna.Handerek@tauron-dystrybucja.pl</a>
Waldemar Lonczak	PL	Energa-Operator SA	+48 58 778 80 47	+48 691 960 129	<a href="mailto:waldemar.lonczak@energa.pl">waldemar.lonczak@energa.pl</a>
Emma Lindgren	SE	Vattenfall	+46 8 687 3112	++46 70 311 0957	<a href="mailto:emma.lindgren@vattenfall.com">emma.lindgren@vattenfall.com</a>
Boštjan Topolovec	SI	Represent Section IPET		+38 641 768 799	<a href="mailto:boštjan.topolovec@sodo.si">boštjan.topolovec@sodo.si</a>

### Observers:

Dajana Vrbicic Tendera	HR	Hops			<a href="mailto:dajana.vrbicic-tendera@hops.hr">dajana.vrbicic-tendera@hops.hr</a>
Gordon Brown	UK	AMT-Sybex	+44 2 890 781 616	+44 7 808 901 219	<a href="mailto:Gordon.Brown@AMT-Sybex.com">Gordon.Brown@AMT-Sybex.com</a>
Paul Krall	AT	APG			<a href="mailto:Paul.Krall@apg.at">Paul.Krall@apg.at</a>
Sanja Medić	HR	Hops			<a href="mailto:Sanja.Medic@hops.hr">Sanja.Medic@hops.hr</a>

### CC:

Karsten Feddersen	DK	Energinet.dk			<a href="mailto:kaf@energinet.dk">kaf@energinet.dk</a>
Erik Gustavsen	NO	Edisys			<a href="mailto:Erik.gustavsen@edisys.no">Erik.gustavsen@edisys.no</a>
Tor Heiberg	NO	Statnett			<a href="mailto:tor.heiberg@statnett.no">tor.heiberg@statnett.no</a>
Jan Owe	SE	SvK			<a href="mailto:Jan.Owe@svk.se">Jan.Owe@svk.se</a>
Oscar Ludwigs	SE	SvK			<a href="mailto:Oscar.Ludwigs@svk.se">Oscar.Ludwigs@svk.se</a>

It is expected that cc receivers are reading the MDS minutes and actively responds to these when they have comments to them. It is further expected that the MDS information is actively used in the national data exchange standardisation work.

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

### C.1 BRS for Alignment of characteristics for a Customer linked to a Metering Point

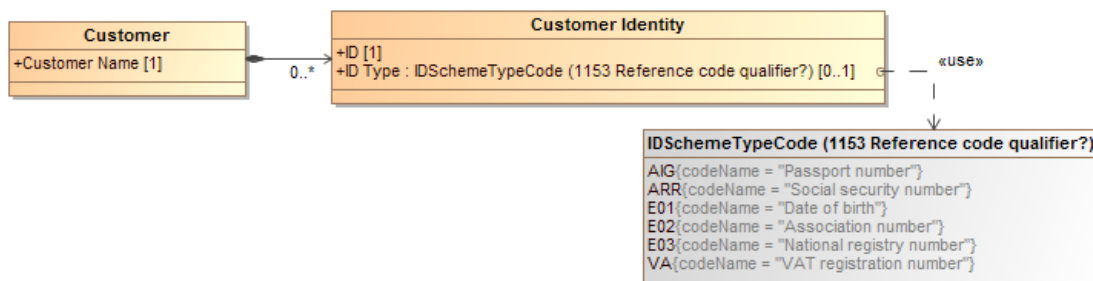
- a) Document Name Code E08 should be deprecated, since it is replaced with E43.

**Status:**

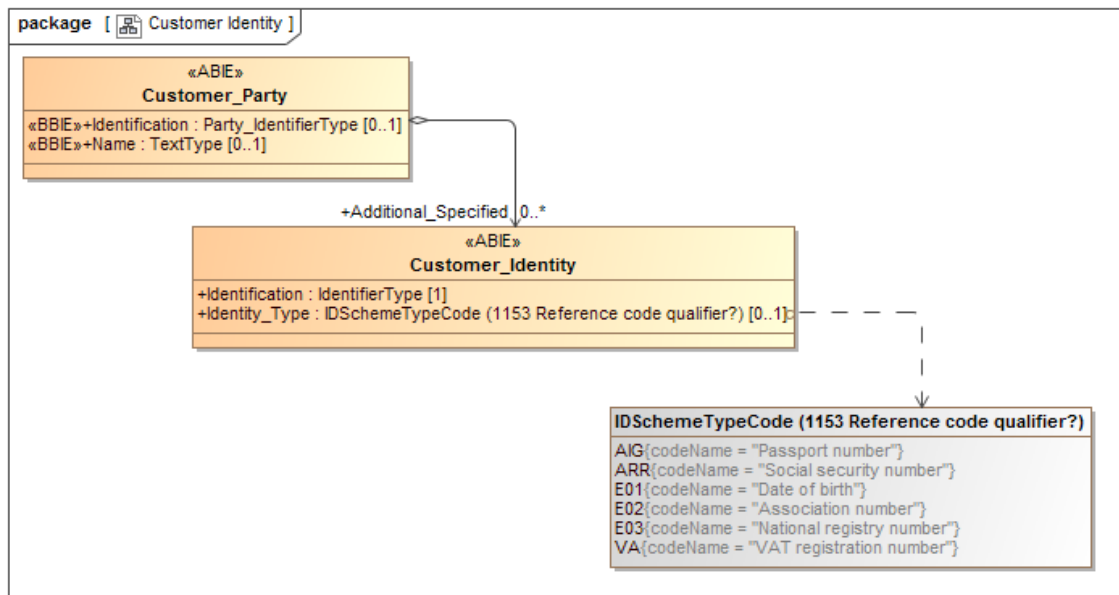
- The code **E08** was marked as deprecated.
- Closed

- b) Add the attribute “ID Scheme Type Code” to the ebIX® model.

As shown in the BRS:



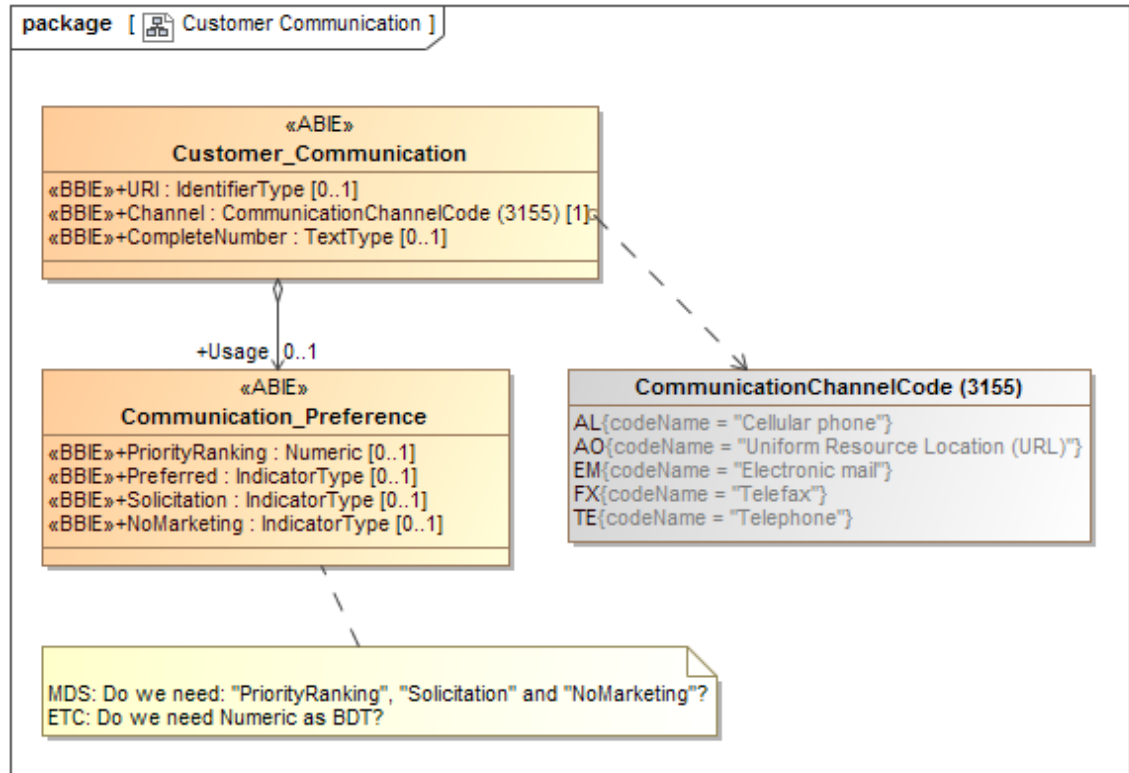
- As shown in the ebIX® profile:



**Action for ETC:**

- Approved by MDS – ETC will create the «ABIE» Customer Identity and related code list

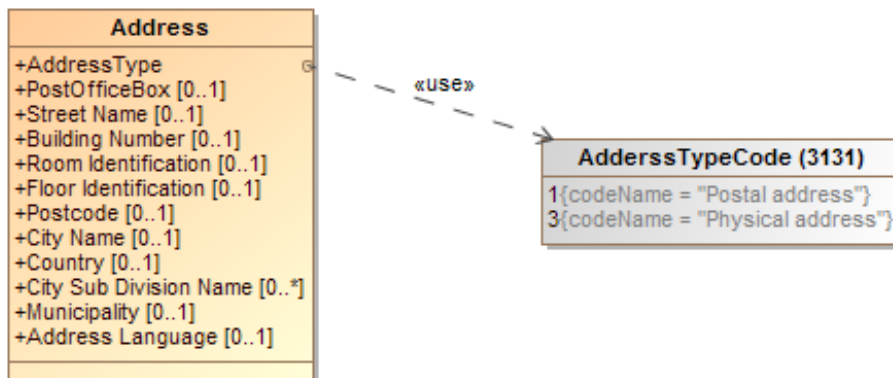
c) Add the «ABIE» «Communication Channel Type» and the related Communication Channel Code:



**Action for ETC:**

- Approved by MDS – ETC will add the «ABIEs» Customer Communication and Communication Preference, and the related Communication Channel Code.
  - MDS will only use “Preferred” from Communication Preference

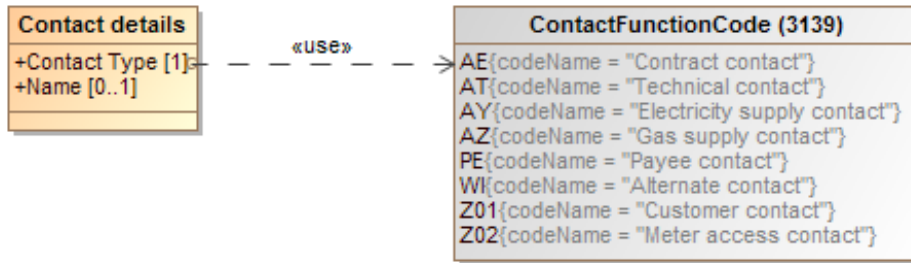
d) Add an Address Type, based on UN/CEFACT 3131 Communication Channel Code:



**Action for ETC:**

- Add Type to the «ABIE» Metering Point Address
- Add the enumeration Address Type Code

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



MDS requirements	3139 Contact function				
	code	name	definition	MDS 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.		
	CU	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	MDS wants 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	MDS wants a new UN/CEFACT code (see below)	
	MA	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	

**Action for ETC:**

- ETC will create the enumerations and ask UN/CEFACT for new codes for Meter Access Contact and Customer Contact

**Action for MDS:**

- The BRS will be republished when new codes have been approved by UN/CEFACT

## C.2 General question for later elaboration

Can we remove the Document Name Code from the ebIX® models?

**Status:**

- The question will be kept for later elaboration

## C.3 BRS for Request Change grid responsibility

- a) ETC is asked to find Document Name codes for:
  - Request change grid responsibility;
  - Response change grid responsibility;
  - Notify change grid responsibility;
- b) And Business Reason codes for Change grid responsibility.

**Status:**

- Awaiting finalisation of the BRS from MDS