Minutes ETC meeting, August 22nd and 23rd, 2017

Date: Tuesday and Wednesday August 22nd and 23rd, 2017
Time: 09:00 – 18:00 and 09:00 – 16:00
Present: Jan Owe (Convenor), Svenska kraftnät
              Kees Sparreboom, TenneT
              Ove Nesvik (Secretary), EdiSys
              Thibaut Hellin, Atrias
Place: Atrias offices in Brussels
Appendixes: **Appendix A**, Participants in ETC
              Appendix B, Role model diagrams - USEF Aggregator-related roles
              Appendix C, ebIX® Rules for addressing (routing)
              Appendix D, Agreed additions to the ebIX® Business Information Model 2016.A
              Appendix E, MDS proposals to ETC for update of the ebIX® Business Information Model

ACC-ABIE for combination CEFAC

Attachment: See item 4, Status and continuation of ebIX®/IEC project

1   Approval of agenda

The agenda was approved with the following additions:
- ebIX® and IEC TR questions – WG14 issues, see item 4.1
- Comments to TR, see item 4.2
- IEC TR 62325-103 ED1 Voting results, see item 4.3
- Comments to the definition of MPA from MDS, see 6.6
- Usage of ERR, see item 7.3
- MDS BIM, see item 15.1 under AOB
- ebIX® web site, see item 15.2 under AOB
- ebIX® Rules for the use of UN/CEFACT Modelling Methodology (UMM) version 2, see item 15.3 under AOB

2   Minutes from previous meetings

The minutes from previous meeting were approved.

3   Follow up on versioning discussion at previous meeting

Action:
- Ove will take the text from the previous ETC minutes and transfer it to a new document "ebIX® recommendations for versioning", send it to ETC for comments and approval at the next ETC meeting. Thereafter the intention is to publish the document at www.ebix.org.

4   Status and continuation of ebIX®/IEC project

From previous ETC minutes:

- Jan will prepare a response to ebIX® Forum action Item 2016b-02: "ETC is asked to evaluate the cooperation with IEC before the ebIX® autumn forum meeting 2017":
  - How to use the results from the work so far?
  - How to link ebIX® to CIM?
  - A proposal for how to continue, incl. the option of having common input to WG16 together with WG-EDI;
  - In general, what is the ebIX® position in international standardisation? What to expect from IEC, UN/CEFACT, OASIS, ISO, CEN/CENELEC and others?
    - These standards are the basis for ebIX® work;
    - International standards should be tailored by ebIX® (and ENTSO-E) to fit specific European processes.

Jan had prepared a draft presentation for the ebIX® Forum, which was reviewed and updated, among others with the following comments:

- ebIX® will continue with change requests to CIM (to WG14 and WG16) based on findings in the TR;
- Questions to be raised to ebIX® Forum:
  - Shall ebIX® contribute to the WG16 My Energy Data Project?
    - The process and data exchange related to access to the energy data is a valid project;
    - The metered data has already been defined by ebIX® and IEC/WG14, hence should not be a part of the project;
    - ETC thinks ebIX® may participate in the "access part" of the project and to bring the right scope into the project (skip the metered data part).
- ETC would like to see (advice ebIX® to work for):
  - UN/CEFACT responsible for ACCs (generic data elements);
  - IEC responsible for ABIEs (data elements with energy context, i.e. CIM);
  - ebIX® responsible for MBIEs (data elements with energy and message context, e.g. XML schemas).
- ETC suggest that ebIX® will be responsible for the processes and the generation of CIM-XML schemas, i.e. as additions to the current TT OCL specifications in the ebIX® BIMs.
- What is the ebIX® position in international standardisation?
  - We expect:
    - CIM (and processes?) from IEC;
    - ACCs and UMM from UN/CEFACT;
    - European subsets from CEN/CENELEC.
  - These standards and specifications are the basis for ebIX® work, i.e. international standards should be tailored by ebIX® (and ENTSO-E) to fit specific European processes;
  - And, the ebIX® work is input to these standards and specification.

See also attached PowerPoint presentation made during the meeting (in the header of these minutes).

4.1   ebIX® and IEC TR questions – WG14 issues

From Margaret Goodrich:

> The address changes will be put into the model before the FDIS is release. I will add a country comment so I can get it in between the CDV and the FDIS release.

However, the other Part 9 changes were not approved. The Part 9 team has requested a meeting to discuss these with you. They believe that all the issues you have are addressed and provided in the current Part 9 model if you would simply use the full Metering package instead of trying to use some of the WG16 model and some of the WG14 model. ENEL was at the meeting and they agreed with the Part 9 folks so these changes are not slated to go in at this time. They believe these changes would cause unnecessary duplication of what is already in the model.

So, when would you be available for a meeting? I am in Germany next week so that is not a good time and the following week is a bit full as well since I will be coming back after 2 weeks on the road but if you wish, we could use the Tuesday Modelling meeting if you wish. I now have my time slot back and I will be starting those meetings June 27th.

From Jean-Luc:
- From what I understood of the non-agreement of the submitted issues, is that Part 9 people (Metering Part) did not understand the requirements from ebIX. The convenor of the TF David Bishop (from Landys & Gir Switzerland) was not there, in Rome the TF was led by Michael Johnson from Itron US. We have to take into account that part 9 has a lot of people in the Meter business. Margaret did not understand either all the requirements. So, from Margaret mail and WG13-WG14 Rome meetings notes, the discussion is not closed and they are asking more information through conference calls.
- So, the best will be to participate to WG 14 calls as suggested by Margaret (starting the 27th) to see what is coming out and see next time if someone could go at the next WG14 meeting; But we could see what are the alternative for the modelling (at least put needed attributes at Market Evaluation point instead of UsagePoints).
- I will be available in August for a GoToMeeting. But available for conf call before between us to discuss in detail the issues.

From Jan:
- I sent an reply to Margaret before you replied Jean-Luc, where I wrote that I can participate in a WG14 call in the week with June 27th (later weeks I am on holiday, return in August). At the meeting in the week with June 27th, I suggested to Margaret that I should get more input from WG14 on the questions they have, and that I bring that input to ebIX so that we could came back and discuss the issues with WG14 after our ebIX meeting end of August.

Suggestion:
- 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.

Action:
- Kees and Ove will bring the suggestion above to MDS.
- If approved, the suggestion will be added to Jan's presentation for the ebIX® Forum, see item 4.


4.2 Comments to TR from Belgium

Jan had informed ebIX® Forum that a draft Technical Report now is published within IEC. Thibaut had made the following comment:

I have one remark about the following diagram that is, following me, not correct:

If you read this diagram, you will notice that we send the Established Calorific Value to 2 different roles (Supplier and DGO) but the process is a success if one of them Receive the Established Calorific Value (not the two is necessary).
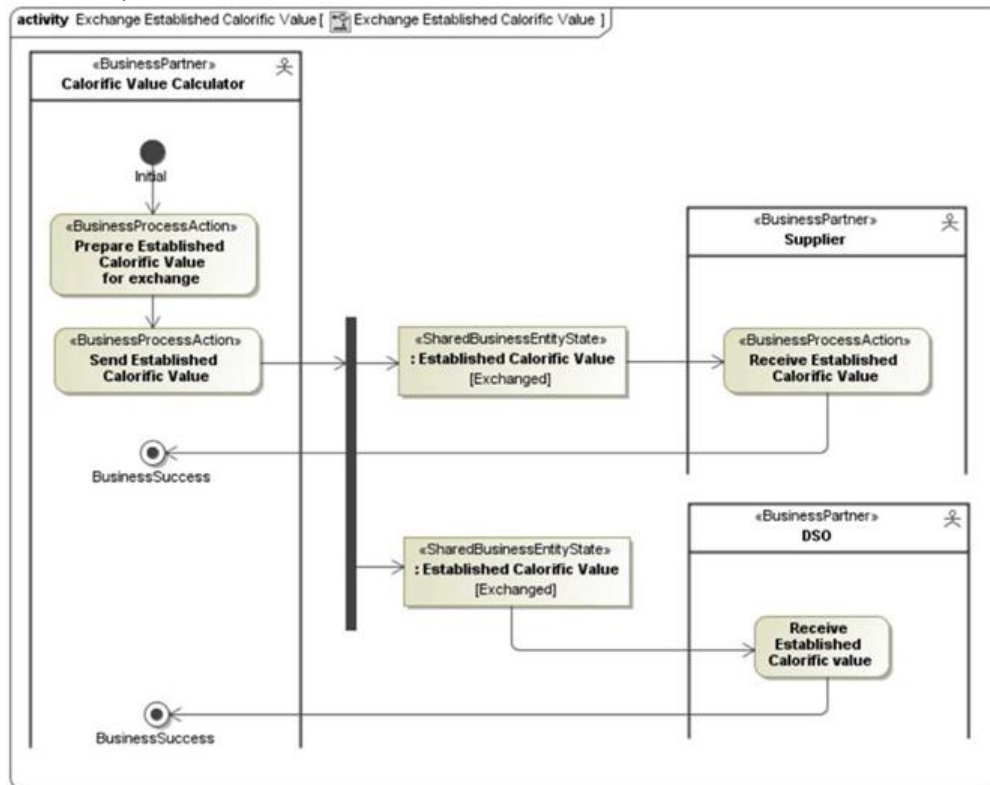
Following me, the correct idea is that the process is a success when **both** roles receive the Established Calorific Value and this has to be modelled like the following view:
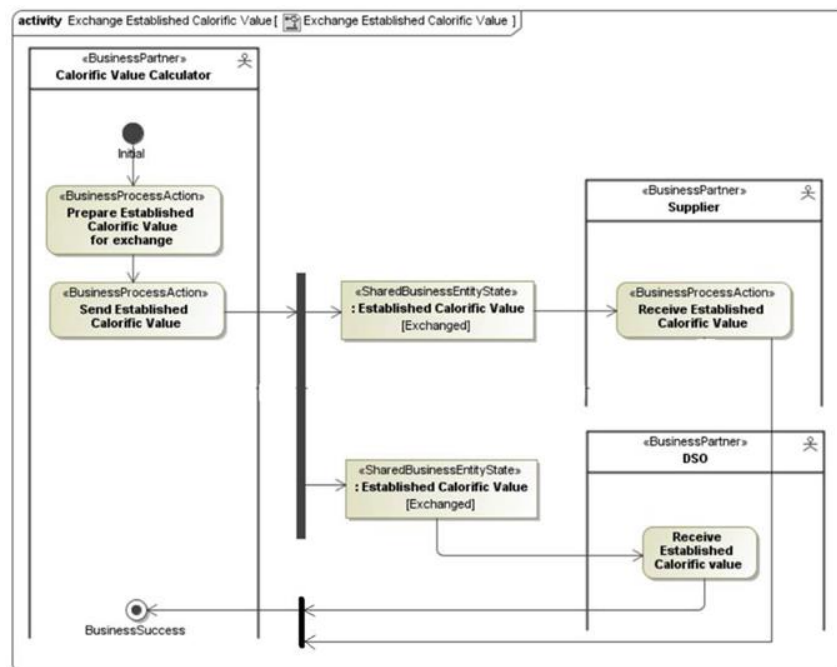
Conclusion:
- Modelling wise Thibaut is correct. However, since the TR is "approved" we will not do anything with the error unless the TR is changed for other reasons.

4.3 IEC TR 62325-103 ED1 Voting results

For information, ebIX® (Jan) had received the following mail from Martina Braun (Siemens AG), on behalf of Dr. Heiko Englert:

> Dear Jan Owe.,
>
> please find attached the "Voting result" and the received comment to above mentioned document.
>
> For circulation the RVC I need your response to the comment and the date for registration as TR document or the TR document.
>
> Thank you very much for your assistance.

The TR has been approved with one general comment from France; "The retail market information exchange is a shared area with WG 21 of TC57, so it is essential to ensure that both groups are converging on a single modelling solution". It was commented that ETC don't like the term "retail market" in this context. There should be only <u>one</u> market (i.e. the electricity market). Except for this comment, ETC agrees to the comment.

Jan informed that he also had got a lot of editorial comments to the TR from the IEC secretariat, which he had started to consider. It is a huge work to edit the 143 pages.

5   My Energy Data

The item was handled under item 4, with the following conclusions:

- The process and data exchange related to access to the energy data is a valid project;
- The metered data has already been defined by ebIX® and IEC/WG14, hence should not be a part of the project;
- ETC thinks ebIX® may participate in the "access part" of the project and to bring the right scope into the project (skip the metered data part).

6   Resolve matters from latest ebIX®, EFET and ENTSO-E Harmonised Role Model (HRM)

6.1 Smart-grid roles

Action from earlier meeting:

- ebIX® will try to prepare a proposal for addition of new elements because of smart processes for some core elements, with a description of the context and business process, including the relations to other roles and domains in the current HRM, before summer 2017.

  Answer:
  - Kees showed four role model diagrams where the USEF Aggregator-related roles was drawn:
    - The Aggregator role may be split into:
      - Offering Aggregator that will map to the HNR Trader;
      - Collecting Aggregator that will map to be a technical role.
    - CSO is an abbreviation of Charging Station Operator;

- EmSP is an abbreviation of E-mobility Service Provider;
- ADS is an abbreviation of Active Demand & Supply and represent appliances that may be cut off by the aggregator:

See Role model diagrams - USEF Aggregator-related roles, in Appendix B.

- KS will check with Gerda de Jong from TenneT if there are something available that can be used as basis for an "Smart grid appendix" – If so, it will be distributed before next HG meeting.

  Answer:
  - Kees informed that there is nothing available from the ENTSO-E TSO-DSO project that can be used as basis for an "Smart grid appendix".

6.2 HRM MR from MDS for addition of Communication Gateway and Gateway Operator

The MR for Gateway Operator and Communication Gateway, was reviewed. It was agreed to take a new review in MDS 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?

Action:
- Kees and Ove will ask MDS to do a new review of the HRM MR for addition of Communication Gateway and Gateway Operator.

6.3 Which tool to use for the HRM, MagicDraw (MD) or Enterprise Architect (EA)

No one had found a way of importing the HRM from EA to MD without having to do manual correction afterwards.

Continued action from earlier meeting:
- ebIX® will continue to investigate if it is possible to import the HRM from EA to MD.

Thibaut informed that Atrias is working on making scripts that can make a migration from MD to EA automatic, with correct diagram layout etc.

6.4 Main scope of the HRM

Action from previous meeting:
- Everyone are asked to see if the bullet points can be given more clarity.
- Everyone are asked to see if we should add stereotypes to the HRM.

The following bullet points have been approved by WG-EDI and ebIX®. However, the HG was not fully pleased with the text at the meeting May 2017, hence all was asked to see if the bullet points can be given more clarity. Maybe the bullet points should be added to a version 2 (a complete recast) of the HRM or as a part of the upgrade of new roles and domains from the new network codes.

- The roles are the main scope of the HRM;
- Domains will only be added for clarification and only where the responsibility for the domain is clear;
- There should be one role responsible for creation, maintenance and deletion of a Domain;

- The term Domain is a generic term covering areas, points etc. The "non-area domains" in the HRM are; Resource, Metering Point, Accounting Point, Meter, Register, Balance Group, Reserve Resource, RGCE Interconnected Group ~~(candidate for deprecation)~~;
- Main scope for Areas (not always applicable):
  - Metering Grid Areas (MGA) should[1] be the corner stone of defining areas, since the flow out and in of an MGA can be measured;
  - A MGA consist of a set of Metering points;
  - Other Areas should be composed of one or more MGAs;
  - An Area has a set of common characteristics (e.g. same price, no congestion, same rules…) and one responsible role.
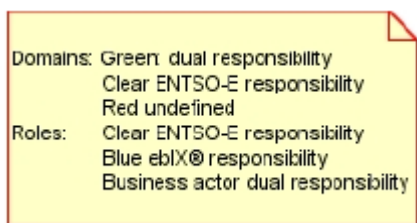
Proposed stereotypes for addition to the HRM document:

«harmonised Role»	Essential harmonised business responsibility. A role cannot be split over several market participants;
«harmonised Resource»	A grid asset, a consumption resource or a production resource;
«harmonised Domain»	A composition of one or more Metering Points;
«from CIM»	An object defined in IEC/CIM;
«???»	A stereotype for Balance Group must be added.

ebIX® proposal for stereotype for Balance Group: «harmonised Entity»

6.5 HRM responsibilities

Proposal from ebIX® for corrections:


```
Domains: Green: dual responsibility
         Clear ENTSO-E responsibility
         Red undefined
Roles:   Clear ENTSO-E responsibility
         Blue ebIX® responsibility
         Business actor dual responsibility
```

Current usage:

	Domains:	Green dual responsibility
		Black mixed ebIX® and/or ENTSO-E responsibility
	Roles:	Blue ebIX® responsibility
		Red ENTSO-E responsibility
		Black with green fill dual responsibility
Proposal:		
	Domains:	Blue ebIX® responsibility
		Red ENTSO-E responsibility
		Black dual responsibility
	Roles:	Blue ebIX® responsibility
		Red ENTSO-E responsibility
		Black with green fill dual responsibility

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[1] "Should" is deliberately used, since there may be exceptions.

Summery from previous meeting:

Role/Domain	Conclusion	Comment
Metering point	Dual responsibility	No change
Accounting Point	Dual responsibility	No change
Metering Grid Area	Dual responsibility	No change
Grid Operator	Dual responsibility	No change
Metered Data Aggregator	Dual responsibility	No change
Party Connected to the Grid	Dual responsibility	No change
Billing Agent	Dual responsibility	No change
Reconciliation Responsible		Currently ENTSO-E responsibility but should probably be ebIX® responsibility
Reconciliation Accountable		Currently ENTSO-E responsibility but should probably be ebIX® responsibility

Action from previous meeting:

- WG-EDI and ebIX® are asked to discuss:
  - What does it mean to be responsible?
  - Do we need the responsibility?

ebIX® proposal: Skip the responsibility and the different colours. All participating bodies should agree on the objects in the HRM.

6.6 Comments to the definition of MPA from MDS

MDS has noted that the two last sentences of the definition of Metering Point Administrator should be rephrased. ETC made a proposal for update of the MPA and GAP, 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. ~~He~~ The party is also responsible for ~~maintaining~~ registering and sharing the Metering Point ~~technical specifications~~characteristics. ~~He is responsible for creating and terminating metering points.~~

Grid Access Provider	A party responsible for providing access to the grid through an Accounting Point and its use for energy consumption or production to the Party Connected to the Grid. The party is also responsible for creating, updating and terminating metering points.

Conclusion:

- MDS is asked to review the new proposals from ETC before the change eventually is sent to the HG.

7   ebIX® Business Information Model 2016.A

7.1   Continue review and update of version 2016.A

Proposed updates are found in Appendix E.

7.2   MDS requests for new and updated enumerations

Kees and Ove informed from the latest MDS meeting:

- Document Name Code "**E21** Master Data Consumer" was renamed to "**E21** Master Data Customer";
- Business Reason Code "**E34** Update master data consumer" was renamed to "**E21** Align master data Customer";
- The Document Name Code "E79 Request Master Data Customer" was added;
- 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

See requests in Appendix E.

Kees had as action from previous ETC meeting made two DMRs to UN/CEFACT for new codes in "3139 Contact function code":

a) Meter access contact (Department/person to contact for matters regarding meter reading, including access to the Meter);

b) Customer contact (The main department/person to contact at the customer).

The following was updated 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 **E0S** "**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".

The requests regarding BRS for Request Change grid responsibility, see Appendix E/E.3 is awaiting finalisation of the BRS from MDS.

Action:
- Kees will submit the DMRs for "Meter access contact" and "Customer contact" to the next UN/CEFACT Forum meeting.
- Kees will add the codes in bold in "Appendix E / e)" to a new code list "Contact Function Code" in the ebIX® model (new BDT, assembled code list, ebIX® subset).
- Ove will make a proposal for clean-up of all Business Reason Codes and Document Name Codes.

7.3 Usage of ERR

At the previous MDS meeting it was agreed to use ERR as the Document Name Code for Reject Request Customer characteristics. However, for all other Reject-documents we use the same Document Name Code for the "confirm-document" and the "reject-document". What is correct?

Conclusion:
- We use the same Document Name Code for confirm and reject, such as 414, when requesting a change,
- We use ERR for rejecting a request for alignment data (document).

7.4 How to represent the exchange of calorific value in ABIEs

The item was postponed.

7.5 QA of the ebIX® model

The item was postponed.

7.6 Code lists

The item was postponed.

7.7 Alignment of external content the ebIX® model

Kees had as action from the ETC meeting January 2017 updated the HRM profile in the ebIX® MD model, based on input from Jan, see appendix C from the ETC minutes from January 2017. The ebIX® MD model is aligned with the latest published HRM, hence the item is closed.

7.8 Use of XOR in combination with cardinalities

The item was postponed.

7.9 Magic Draw version 18.2, ebIX® model 2016.A, ebIX® "standard messages", etc.

The item was postponed.

7.10 "Time of Use" vs "Meter Time Frame"

The item was postponed.

8 Update of ebIX® position related to addressing in business documents

The item was postponed.

9 Code lists from Magic Draw model in Word format

The item was postponed.

10 Planning for support for new countries that want to use the ebIX® model

The item was postponed.

11 Status for update of the TT (Transformation Tool)

The item was postponed.

12 Creation of an ebIX® technical presentation

The item was postponed.

13 Status for UN/CEFACT project for Alignment of Master Data for Metering Point and of Measured Data

The item was postponed.

14 Next meeting(s), including start and end time.

Tuesday and Wednesday October 17th and 18th, Denmark (before ebIX® Forum)
Tuesday and Wednesday December 12th and 13th, Stockholm

15 AOB

15.1 MDS BIM

The item was postponed.

15.2 ebIX® web site

For information: A "new ebIX® website" has been launched, with new menus and downloadable documents in "Azure Cloud Storage".

15.3 ebIX® Rules for the use of UN/CEFACT Modelling Methodology (UMM) version 2

The item was postponed.

Appendix A Participants in ETC

Name	Company	Telephone	Mobile	E-mail
Andrej Bregar	Informatika			andrej.bregar@informatika.si
Christian Odgaard	Energinet.dk	+45 76 22 44 63	+45 23 33 85 55	cco@energinet.dk
Fedder Skovgaard	Energinet.dk		+45 233 38 521	fsd@energinet.dk
Jan Owe (Convenor)	Svenska kraftnät	+46 10 475 82 85	+46 705 396 930	Jan.Owe@svk.se
Jari Hirvonen	Fingrid		+358 403 551 720	Jari.Hirvonen@fingrid.fi
Kees Sparreboom	TenneT		+31 622 66 7911	kees.sparreboom@capgemini.com
Ove Nesvik (Secretary)	EdiSys	+47 22 42 13 80	+47 928 22 908	ove.nesvik@edisys.no
Pawel Borkowski	innogy Business Services Polska			pawel.borkowski@innogy.com
Thibaut Hellin	Atrias			thibaut.hellin@atrias.be
For information:				
Alexander Pisters	E WIE EINFACH Strom & Gas GmbH	+49 221 17737 260	+49 1511 678 2628	Alexander.Pisters@e-wie-einfach.de
Cédric Dufour, Atrias	Atrias			Cedric.Dufour@Atrias.be
David Batič	Energy Agency of the Republic of Slovenia			
Gerrit Fokkema	EDSN	+31 355 480 180	+31 622907787	gerrit.fokkema@edsn.nl
Jon-Egil Nordvik	Statnett	+47 22 52 70 00	+47 975 36 303	jon-egil.nordvik@statnett.no
Joerg Wiemann	RWE			Joerg.wiemann@rwe.com
Lucy Sarkisian	TenneT		+31 613 643 092	l.sarkisian@tennet.org
Stefan De Schouwer	Atrias			Stefan.DeSchouwer@atrias.be
Tomaž Lah	Energy Agency of the Republic of Slovenia			Tomaz.Lah@agen-rs.si
Vlatka Cordes	RWE			Vlatka.Cordes@rwe.com
Observers:				
Carsten Brass	EDNA	+49 241/9671 194		Carsten.Brass@kisters.de
Karsten Feddersen	DK	Energinet.dk		kaf@energinet.dk

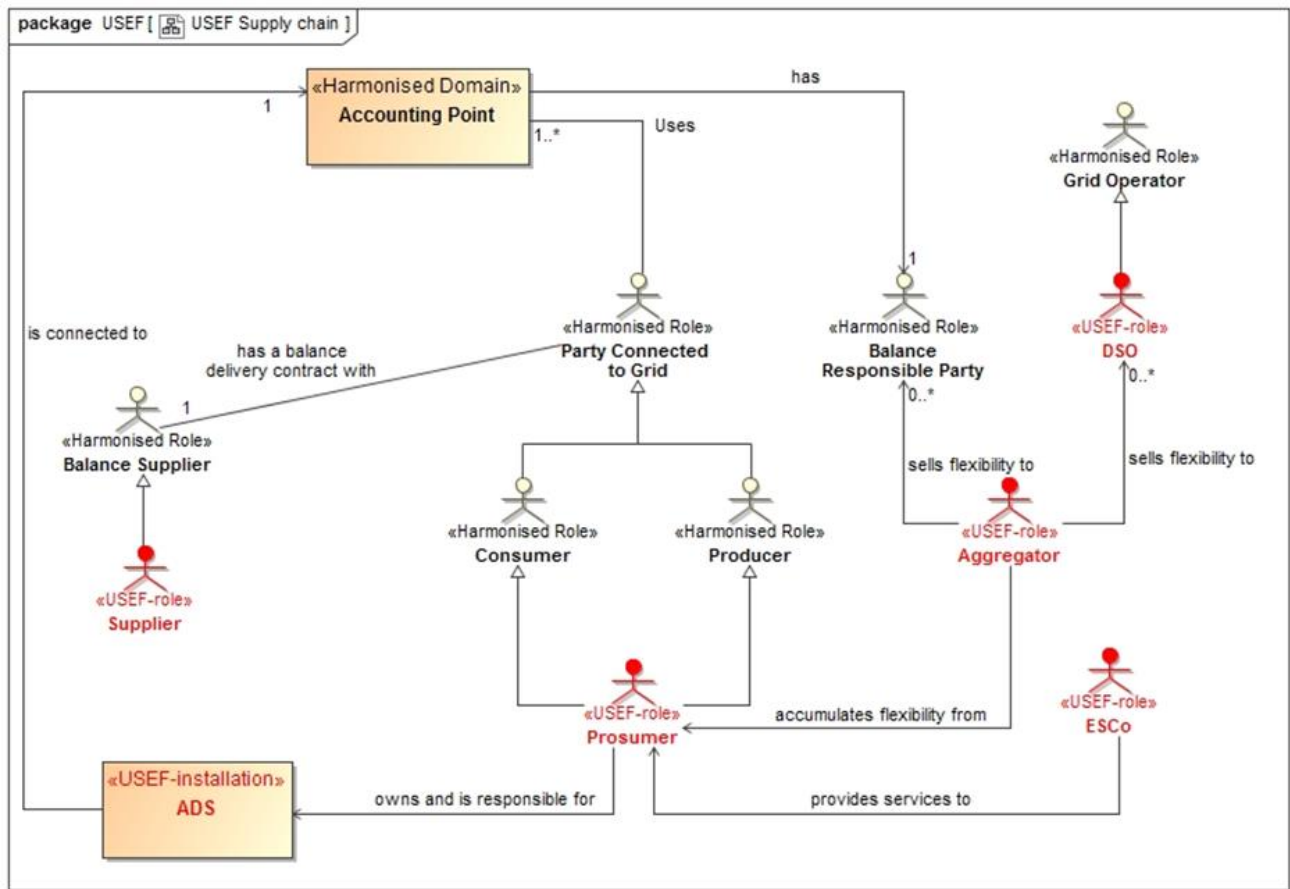## Appendix B Role model diagrams - USEF Aggregator-related roles
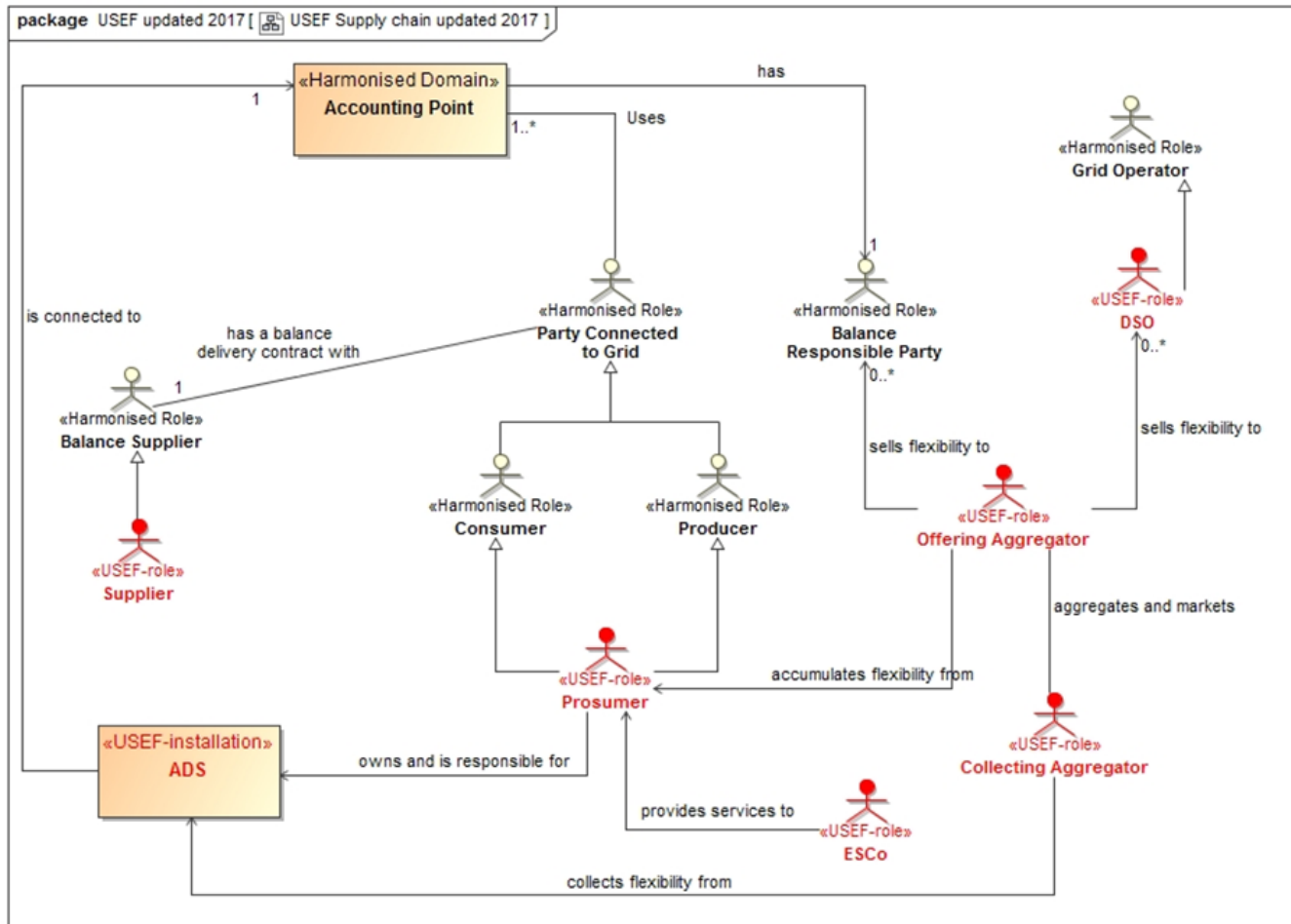

Figure 1 USEF Supply chain roles and present HRM
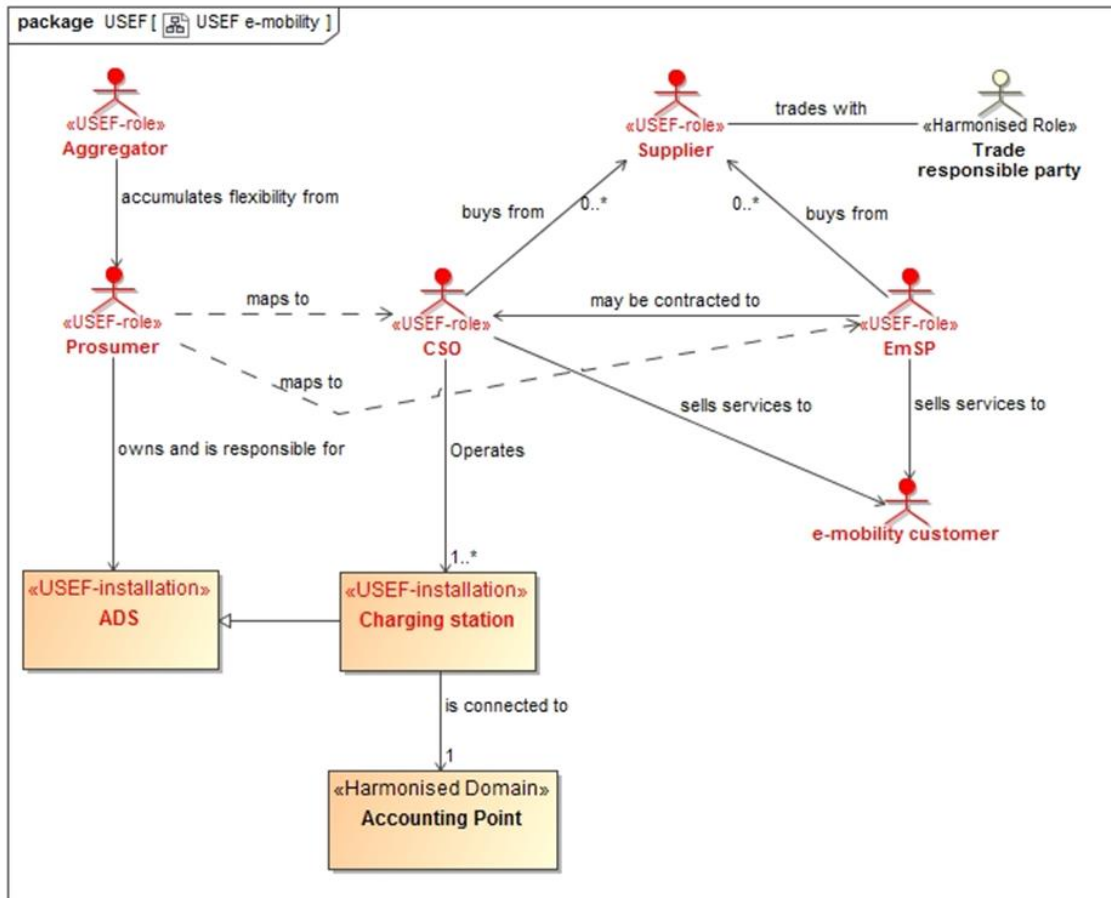
Figure 2 USEF Supply-chain roles, informally updated
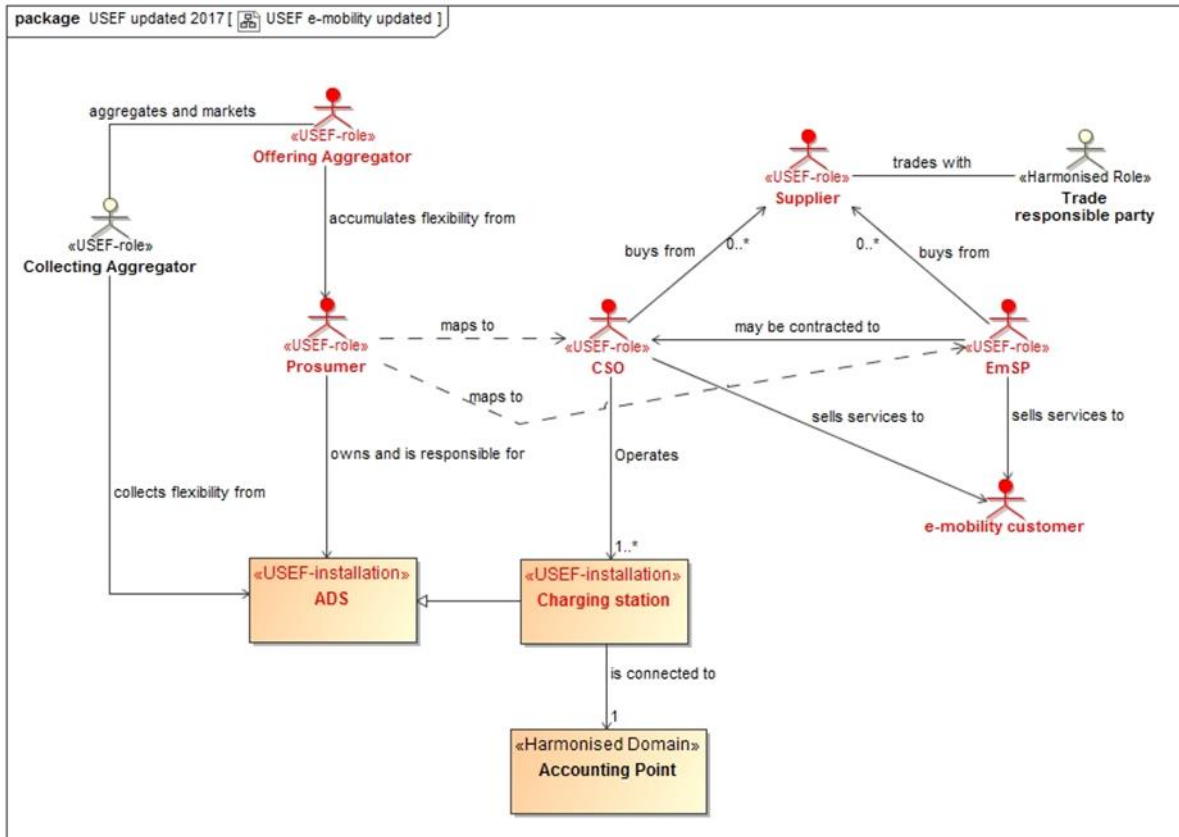
Figure 3 USEF e-Mobility roles and present HRM

Figure 4 *USEF e-Mobility roles, informally updated*

Appendix C   ebIX® Rules for addressing (routing)

C.1   Definitions

Juridical party: A juridical party is the party juridical responsible for sending or receiving information.

Party id: The identification of a party, i.e. the party's GS1 location number or the party's EIC (Energy Identification Code).

Third party: A party acting on behalf of the juridical party (as an intermediate) in a message exchange scenario. In between the juridical parties there may be several third parties. These intermediates can have different responsibilities, such as routing of documents, conversions and/or handling of the document content on behalf of the juridical party. Intermediates only doing routing of messages will not be a part of the addressing principles discussed below. The third parties may be split into the following two subtypes:

Application service provider (ASP):   A third party that takes care of the database (application) for a juridical party. The ASP is responsible for returning application acknowledgements.

EDI Service Provider (ESP):   A third party that is responsible for the document exchange on behalf of the juridical party, including conversion of documents. The ESP is responsible for returning syntax related acknowledgements.
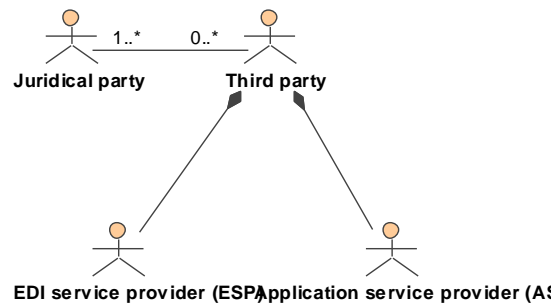
Relationship between roles in document exchange

A juridical party can choose whether or not to use one or more third parties in his document exchange. It is also possible to combine usage of third parties for one or more business areas and handle the document exchange himself for other business areas.

C.2   Principles for addresses and identifications

1. The juridical party may choose whether to use one or more third parties as intermediates in a document exchange scenario.
2. Routing of documents, including acknowledgements, shall use the same principles even if third parties are used.
3. The information in the "Header and Context Information" class may be used for routing purposes:

```
┌────────────────────────────────────────────────────┐
│           Header and Context Information            │
├────────────────────────────────────────────────────┤
│ +Document Type : DocumentNameCode [1]            c  │
│ +Business Reason : BusinessReasonCode [1]        c  │
│ +Ancillary Business Process Role : BusinessRoleCode [1]c│
└────────────────────────────────────────────────────┘
```

4. It shall always be the juridical party, the party legally responsible for sending or receiving the information, that is identified in the document header level.
5. Acknowledgements of acceptance, such as EDIFACT/APERAK, shall be treated as any other document regarding the addresses. I.e. the sender address, including BPI (sub address) in the original document, shall be sent as receiver address in the application acknowledgement. And the receiver address, including BPI (sub address) in the original document, shall be sent as sender address in the application acknowledgement.[2]
6. Acknowledgements of receipt, such as EDIFACT/CONTRL documents, shall be returned with opposite addresses. I.e. the sender address, including BPI (sub address) in the original document, shall be sent as receiver address in the syntax acknowledgement. And the receiver address, including BPI (sub address) in the original document, shall be sent as sender address in the syntax acknowledgement.[3]

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[2] Point 5 and 6 must be verified with ebIX® BRS for Acknowledgement

[3] Point 5 and 6 must be verified with ebIX® BRS for Acknowledgement

Appendix D Agreed additions to the ebIX® Business Information Model 2016.A

D.1   BIE changes, e.g. cardinalities

1) Change the cardinality of the association from "MP Event" to "MP Address" to [0..*]
2) Add a language attribute to "MP Address"
3) Add Aggregated Reception Station (ARS), as an ASBIE, with XOR between the ARS and Calorific Value Area (CVA)
4) Add CVA, as an ASBIE, with XOR between the ARS and CVA
5) Rename MP Characteristics class to MP Administrative Characteristics
6) Add MP Physical Characteristics, containing:
    a. Connection Status (Moved from MP Administrative Characteristics)
    b. Disconnection Method
    c. Capacity of Metering point (Moved from MP Administrative Characteristics)
    d. Voltage Level (Moved from MP Administrative Characteristics)
    e. Pressure Level (Moved from MP Administrative Characteristics)
7) Add Capacity of Metering point
    a. Definition:

    > Capacity of a Metering point is the maximum physical capacity of the Metering Point.

    > For electricity the maximum capacity for the Metering Point is given in kW or MW and calculated from the nominal voltage level, number of phases and current limitations.

    > For gas the maximum capacity for the Metering Point is given in m3/hour, usually determined by the physical constraints of the (nozzles in the) Meter.

8) Add a new ABIE Energy Label, with two BBIEs; Technology Type and Fuel Type
9) Add an attribute "Disconnection Contract" (Boolean) in MP Administrative Characteristics
10) Change the Country Name (text) in the MP Address class to Country (coded)
11) Add BDT for Energy Label Fuel
12) Rename BDT Energy Generation technology Type to Energy Label Technology Type
13) Add an BBIE "number of phases" to MP Physical Characteristics
14) Add a new ABIE; Communication:
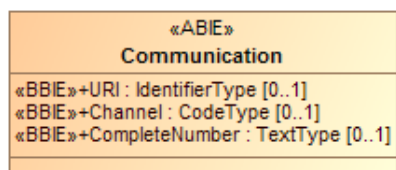
15) Rename the BBIE Unit Type in the ABIE Product Characteristics to Quantity Unit Type and add a BBIE Price Unit Type to the ABIE Product Characteristics

D.2   New enumerations and/or DT

1) Add an enumeration for ISO Language codes, based on ISO 639-1988
2) Add an enumeration for Energy Label Fuel type, based on CENELEC standard, imported from Atrias implementation
3) Add an enumeration for Energy Label Technology type, based on CENELEC standard, imported from Atrias implementation
4) Add enumeration "Communication channel", ebIX® subset with the following literals, based on 3155:

AL	Cellular phone
EM	Electronic mail
FX	Telefax
TE	Telephone

5) Add an enumeration "Communication channel", ebIX® subset, based on 3131 Address type, code with the following literals:

1	Postal address: The address is representing a postal address
3	Physical address; The address represents an actual physical location.

6) Remove all predefined facets, such as maxLength
7) All code lists should be checked for codes without a code name. These should be given a name or deleted.

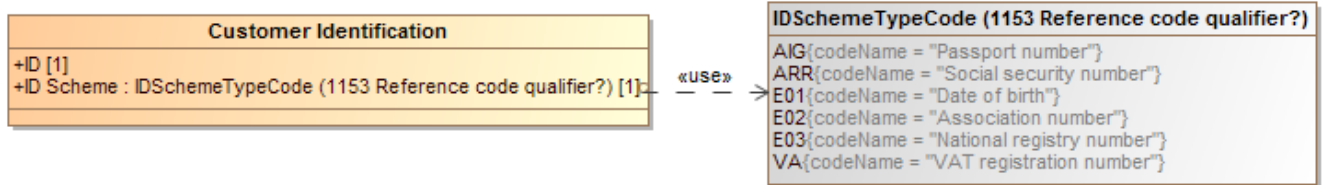# Appendix E   MDS proposals to ETC for update of the ebIX® Business Information Model

E.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.
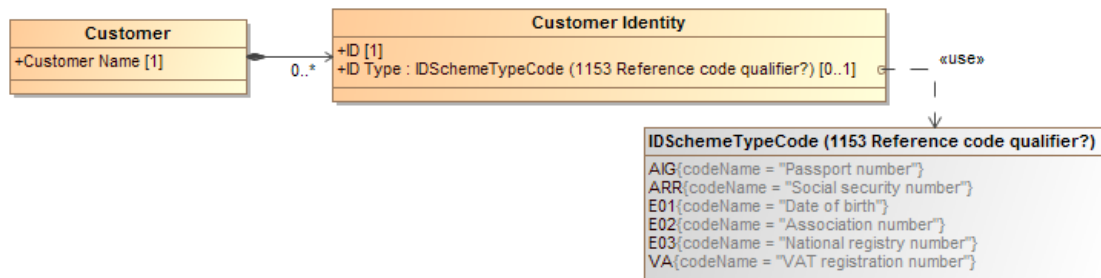
   Status:

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

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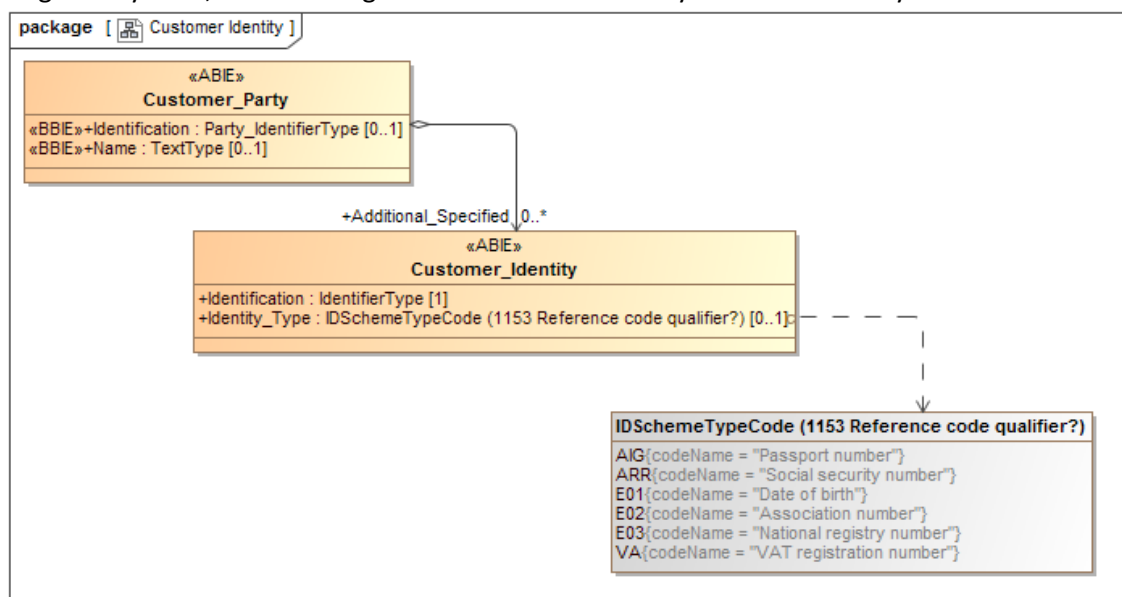

   Status:
   o   The «ABIE» Customer Identification was renamed to Customer Identity
   o   In the BRS, the cardinality between "Customer" and "Customer Identity" should be changed to [0..*], and the attribute names should be renamed, e.g.:
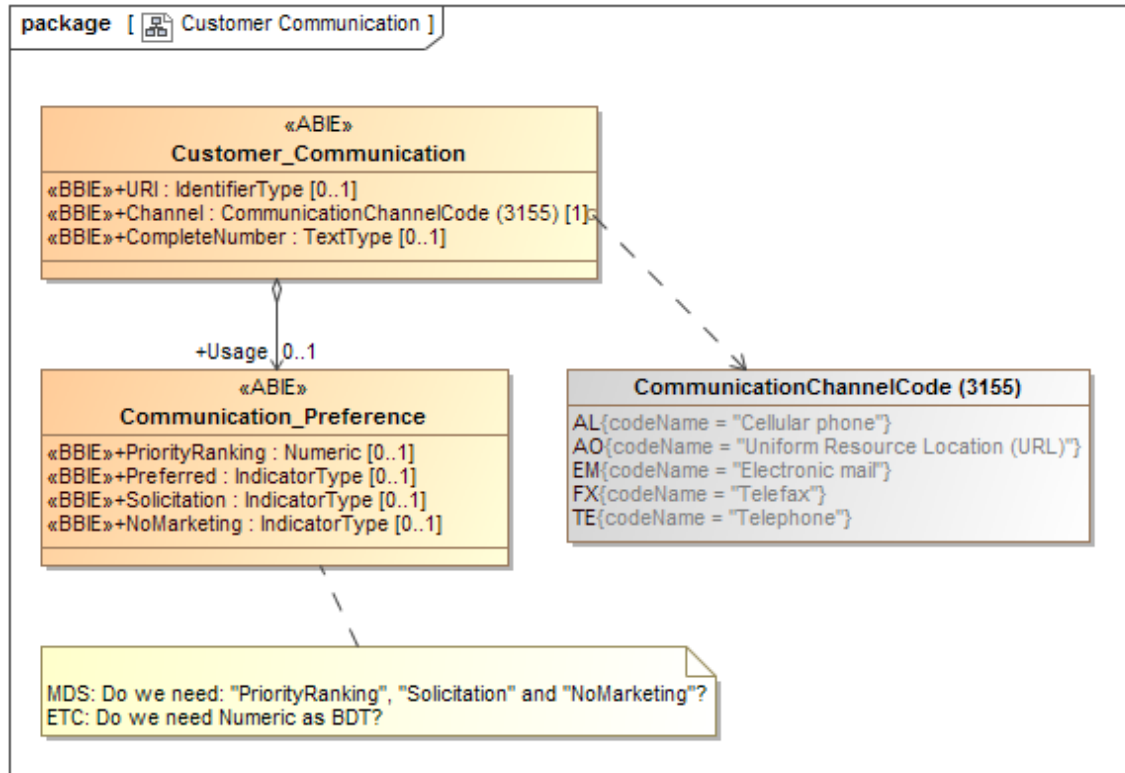

   o   If agreed by MDS, the following «ABIE» Customer Identity will be created by ETC:

Action for MDS:
- o   To be reviewed and eventually approved by MDS

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

Action for MDS:
- o   To be reviewed and eventually approved by MDS
- o   AO is used for social media, such as Facebook, LinkedIn, Instagram... each profile is reachable through its URL, which contains a unique string (including the social media name as part of the internet address).
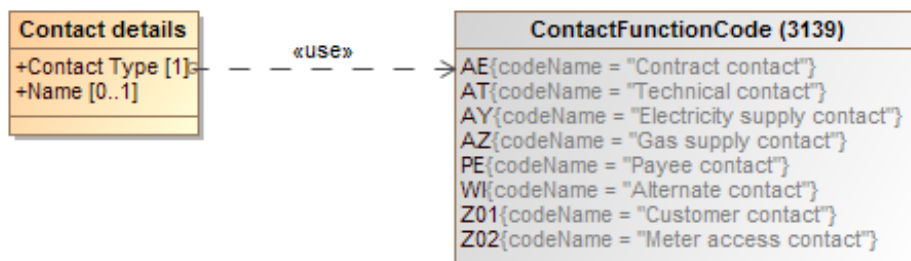
d) Add an Address Type, based on UN/CEFACT 3131 Communication Channel Code:
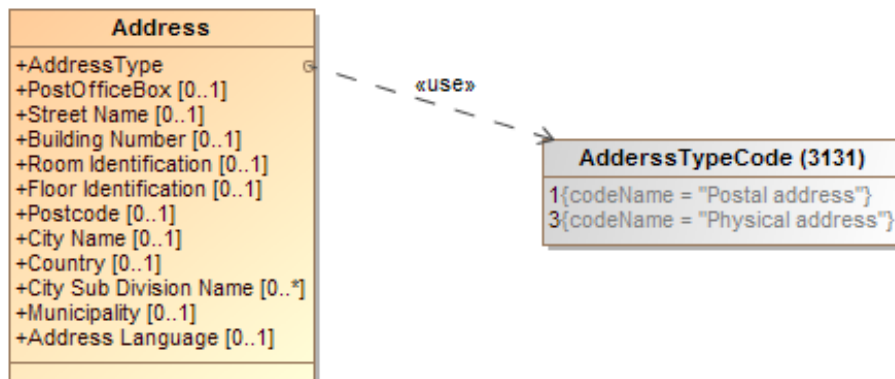
Action for ETC:
- o Add Type to the «ABIE» Metering Point Address
- o Add the enumeration Address Type Code

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	

Status:
- Closed from MDS point of view

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

E.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

E.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;

b) And Business Reason codes for Change grid responsibility.

Status:
- o Awaiting finalisation of the BRS from MDS