

Minutes ETC meeting, April 10th and 11th, 2019	 European forum for energy Business Information eXchange
April 25 th , 2019	ETC – ebIX[®] Technical Committee

Minutes ETC meeting, April 10th and 11th, 2019

Date: Tuesday and Wednesday April 10th and 11th, 2019
Time: 09:00 – 17:00 (18:00?) and 09:00 – 15:30
Place: Warszawa
Present: Jan, EDSN
Jan, Svenska kraftnät
Kees, TenneT
Ove, Edisys
Pawel, Innogy (parts of the meeting)

Appendixes:

Appendix A, Agreed additions to the ebIX[®] Business Information Model 2018.A
Appendix B, Proposals for update of the ebIX[®] Business Information Model

Attachment (see [ebIX[®] file manager](#)):

1. MR Update of Consent Administrator 20190410 (HG).docx
2. MR Metered Data Administrator 20190410 (HG).docx
3. 181213_Draft_Joint Ownership and Management Agreement_v0.3 + comments ebIX 20190411.docx
4. ToR for HG 20190410 (HG).docx
5. USEF White paper - Flexibility Value Chain 2018 - version 1.0_okt18.pdf

1 Approval of agenda

The agenda was approved with the following additions:

- Preparation for ebIX[®]/CIM-EG meeting , see item 5.2;
- Updated definition of Consent Administrator, see item 6.4;
- Terms of Reference (ToR) for the Harmonisation Group (HG), see item 6.5;
- Feedback from TSO-DSO group (individual input, not aligned within the entire project team), see item 6.6;
- Update proposal to the HRM from CIM-EG, see item 6.7
- Question from EFET, see item 6.8
- Joint ownership agreement, see item 6.9;
- Harmonised Role Model for Gas, see item 13.1 under AOB.

2 Minutes from previous meeting

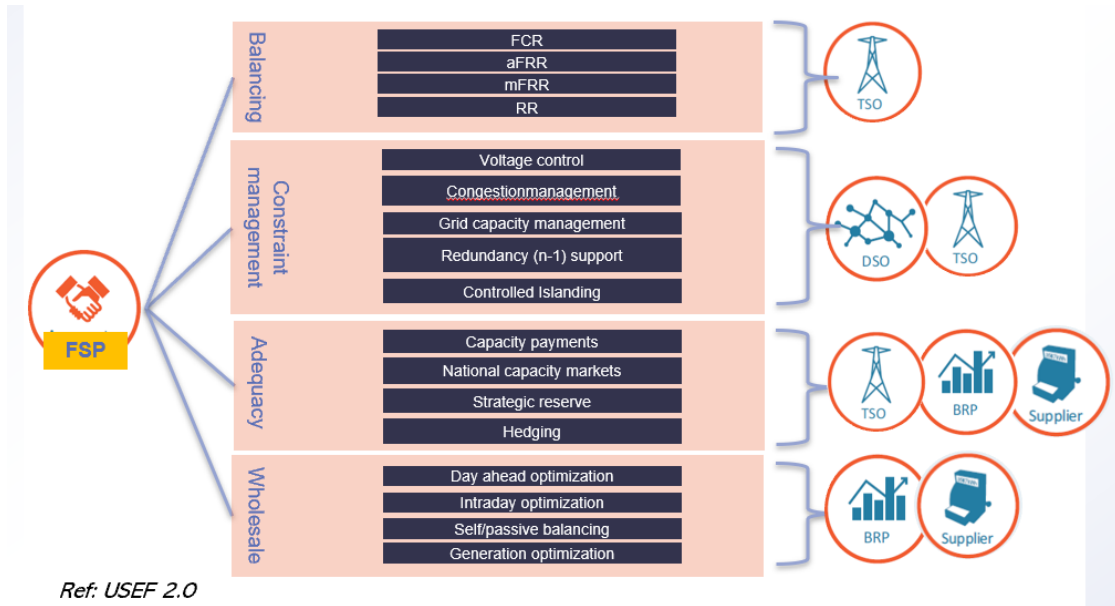
The minutes from previous meeting were approved without comments.

3 Review of ETC workplan

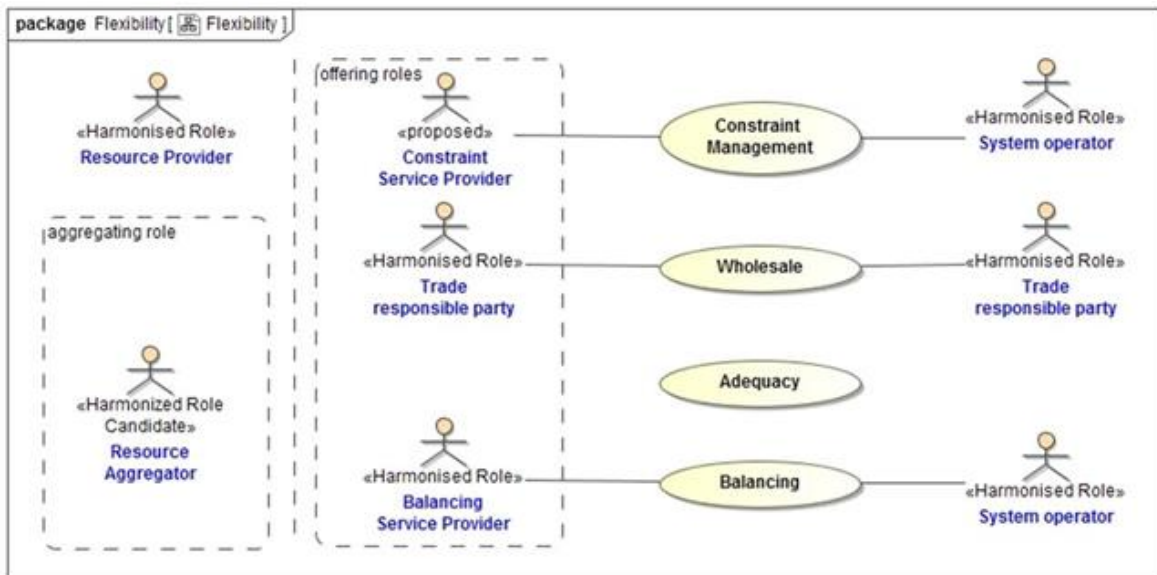
The ETC workplan was reviewed, updated and uploaded to the ebIX® File Manager.

4 Resolve matters arising from latest ebIX® Forum

At the ebIX® Forum meeting April 9th, the HG was asked to make a mapping from the roles in the USEF figure in the ebIX® Distributed Flexibility presentation to HRM roles:



And, the following proposal was made:



During the meeting, Kees asked Marten from USEF about the Adequacy process and got the following answer:

Adequacy services aim to increase security of supply by organizing sufficient long-term peak and non-peak generation capacity. Adequacy services can be provided to either the TSO or the BRP, depending on market design. The BRP can be obliged by regulation to take care of security of supply (e.g. the French capacity market) or can decide to hedge its risk.

We defined an “associated role” Capacity Service Provider (CSP) as offering role.

We have identified 4 different services (see paper for description):

- Capacity markets, buying party is either TSO or BRP, different national regulations
- Capacity payments, buying party = TSO
- Strategic reserves, buying party = TSO
- Hedging, buying party = BRP

Note that we (USEF) removed supplier as buying party in our final drawings. The inclusion of the supplier was wrong. See also “USEF White paper - Flexibility Value Chain 2018 - version 1.0_okt18.pdf” at the [ebIX® file manager](#).

Further steps:

- The proposed mapping figure and the USEF picture will be presented at the coming HG meeting, May 7th and 8th;
- The mapping figure will also be presented at the coming EBG meeting, June 4th and 5th, asking how to get further.

The item is closed from ETC point of view.

5 Resolve ebIX®/IEC issues

5.1 Status My Energy Data

Jan presented the latest document “IEC 62325-451-10 ED1”, which may be commented until June 14th this year. Jan expect to review the document and will send possible comments to Kees and Ove for coordination of responses through national committees.

5.2 Preparation for ebIX®/CIM-EG meeting

Requested changes to 62325 ESMP from ebIX® will be discussed at the end of the next CIM-EG, April 17th. Among others, Jan will prepare some examples to show why ebIX® want to add the Event class (e.g. change of supplier example).

Some arguments for adding an Event class (not using the Series class):

1. The Series class has most of the attributes we need for exchange of master data, but the definition of the Series (A set of similar physical or conceptual objects defined for the same period or point of time) doesn't fit the context of exchange of master data.
2. The name Event is not crucial – we could well use Market Event, Market Activity, or something similar – but NOT Series.

Item closed.

6 Resolve HG issues

6.1 Status: HG MR for “MP Gateway” (if the concept is finally defined in the German market)

The item is still put on hold from Germany.

EBG will be asked to discuss if we can remove the Gateway from the Metering Configuration Characteristics.

6.2 Status: HG MR for “Party administrator”

Awaiting HG.

6.3 Status: HG MR for “Metered Data Administrator”

A draft MR from EBG was reviewed and a figure showing the implementation in the HRM was added. The MR was submitted to HG.

6.4 Updated definition of Consent Administrator

EBG has asked ETC to submit a MR for update of the definition of Consent Administrator to the HG. The MR was reviewed and was submitted to the HG.

6.5 Terms of Reference (ToR) for the Harmonisation Group (HG)

Gerrit has commented the ToR for the Harmonisation Group. The comments were reviewed and slightly updated. The update proposal was submitted to the HG.

The item is closed from ETC point of view.

6.6 Feedback from TSO-DSO group (individual input, not aligned within the entire project team)

From Gerda de Jong (ENTSO-E):

I asked the parts in black, I answered for you in red (in green what my personal reply to the group was), and I added individual replies in blue:

- Remove both TSO and DSO as roles and keep them only as actors.
 - **Seems to be agreed.**
- Definition of the *System Operator*.
 - **Agreed by some, not by all.**
 - We don't agree with introducing a definition of system operator. In our opinion, this should be avoided in the interest of TSOs and a way out should be found. We propose to use grid operator for those roles in which the TSO or the DSO is accessing flexibility resources for congestion management or other grid related issues. The role and responsibility of the TSO is different from that of the DSO as DSOs do not have responsibilities in balancing other than to facilitate that units connected to their networks can be BSPs individually or through aggregation.
- Balancing part of the TSO as *LFC Operator*.

- It should be clear that only the TSO shall be the LFC Operator. This should be a role inherently given to the TSO, no other possibilities.
- Introduce the *Resource Aggregator* instead of *Flexibility Service Provider (FSP)* and link it to service providers like the BSP.
 - In our understanding an FSP can be a BSP or CMSP. An FSP could be a single unit or an aggregator of several units and this should be clearer throughout the model. To make it clearer probably a distinction should be made between flexibility used for implicit purposes (for traders and BRPs) or explicit purposes (BSPs or CMSP).

This part is not clear to everyone:

- Diagram on page 2 does not indicate the link between ‘Resource Aggregator’ and ‘BSP’. My personal reply to the group was: the *Resource Aggregator* is meant to be only an aggregator, not yet delivering any services. It can then deliver services through a BSP, BRP, trader, etc. However, there is no such thing as a *Congestion Management Service Provider (CMSP)* yet but I made clear that, if we do it this way, that role should be added as well. Could you agree with that?

Comment from ETC:

- The link between a Resource Aggregator and a BSP should be specified in the process (BRS) and not in the HRM.
- ‘Resource Aggregator’ does not take into account that flexibility can be an individual unit also, not necessarily aggregator. *Resource Aggregator* doesn’t take into account any flexibility at all, this happens at the service provider (BSP, BRP, trader, etc. as mentioned above). So an individual unit delivering flexibility will most likely not go through a *Resource Aggregator* then (as far as I understand it).

Comment from ETC:

- What Gerda says is correct.
- It is balancing focussed and ignores other flexibility services. E.g. according to the diagram the reserves can be used by balancing providers only and for balancing service only. As mentioned above, the BSP is already existing, the CMSP is not. Furthermore, flexibility services could also be delivered by BRPs or traders (wholesale). The reserves are indeed used for balancing and I think it is also defined that way. If used for something else, it does not take the role of reserve. But I’ll make sure this will be checked.

Comment from ETC:

- Yes, the current HRM are balancing focussed and ignores other flexibility services, but that is because the other flexibility services are not defined yet.
- Description of the customer consent.
 - The proposed definition is not necessarily wrong but it should be discussed a bit more thoroughly, at least involving stakeholders who already have implemented this role in practice.
For example, has it been considered that: (a) consents are needed for both personal data and commercial data; (b) consents concern not only meter data but also grid data, market data; (c) I’m not sure consents relate to ‘accounting point’ only; (d) I’m not sure consents related to ‘party connected to the grid only; (e) the tasks involve others besides ‘keeping the register’ and ‘make information available’ – e.g. collect consents, remove consents, keep logs, etc?

Comment from ETC:

- Handled by EBG – see EBG minutes

The comments from Gerda was reviewed and some comments were made, see “Comment from ETC above”. These will be presented at the coming HG meeting.

The item is closed from ETC point of view.

6.7 Update proposal to the HRM from CIM-EG

An update proposal from CIM-EG was reviewed and commented as a preparation for the next CIM-EG meeting (making an ebIX® position).

The item is closed from ETC point of view.

6.8 Question from EFET

From Marko:

- We agree with the 2019-01 version. Just one questions as I couldn't participate in the last meeting: Why do we delete the role of a DSO? Maybe you can just give me a short feedback.

Answer:

- The DSO is not deleted, but represented by several other roles, such as the System Operator, Grid Access Provider etc.

The item is closed.

6.9 Joint ownership agreement

Kees had consulted a lawyer at TenneT and got comments to the document. The document was reviewed and more changes, manly simplifications, were noted. Kees will bring the comments to the CIM-EG. The comments will also be presented at the next HG meeting.

The item is closed from ETC point of view.

7 ebIX® Business Information Model 2019.A

7.1 Use of XOR in combination with cardinalities

The item was postponed.

7.2 Continue review and update of version 2018.A

At the end of the meeting we started the update of the ebIX® model with updates according to Appendix A and Appendix B.

A new national code from Sweden was added to Appendix B/B.8

Since this is a big job it was agreed to arrange some GoToMeetings to do the job, i.e.:

- April 24th from 14:00 to 15:30

- May 2nd from 10:00 to 11:30

7.3 Should it be one «Business Partner» per UseCase?

The item was postponed until next meeting.

8 Upgrade of MagicDraw from version 18.2 to 18.5 or 19.0

The update will require some test work, such as verifying that the TT will work together with a new version, hence the item was postponed.

9 EBG BIMs

The review of EBG BIMs (see ebIX® File Manager and ETC workplan) was postponed until we have updated the ebIX® model with new requirements from Appendix A and Appendix B.

10 Code lists from Magic Draw model in Word format

Jan (NL) had made some comments to the proposed code list, which was reviewed.

Action:

- Ove will publish the code list as soon as possible, without an introduction, at the ebIX® Web site.
- Ove will in addition make a proposal for an introduction – to be reviewed at next ETC.

11 Status for update of the TT (Transformation Tool)

The item is closed.

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

- Friday May 3rd, 2019, 10:30 – 12:00, GoToMeeting
- Thursday May 16th, 2019, 13:00 – 14:30, GoToMeeting
- Tuesday and Wednesday June 25th and 26th, 2019, Svenska kraftnät' offices in Sundbyberg (Stockholm);
- Tuesday and Wednesday September 25th and 26th, 2019, TenneT' offices in Brussels;
- Monday and Tuesday October 28th and 29th, 2019, Svenska kraftnät' offices in Sundbyberg (Stockholm);
- Wednesday and Thursday November 27th and 28th, 2019, Edisys' offices in Oslo.

13 AOB

13.1 Harmonised Role Model for Gas

From Kees:

One of the consequences of the EG1 report will most likely be the recommendation to base information exchange processes on a role model, more specifically on the HRM for electricity and the new gas role model.

FYI: I have attached the latest gas role model version (can be found at the ebIX File Manager).

I send you the clean version without my remarks and comments (although I have some). For ebIX I think it is most important to see how this gas role model links up with the retail processes (in this gas role model there is no metering point and no metering point administrator, or in short: no idea about master data).

And maybe I may ask you to tell us in the upcoming EBG meeting how in The Netherlands NEDU/EDSN has managed to combine the original implementation of HRM consequences with these new gas role model requirements (assuming that we do).

Conclusion:

- Kees will contact colleagues from the Dutch gas market to see if we can establish some sort of cooperation and harmonisation of the electricity and gas role models.

The item is closed.

13.2 ETC member list

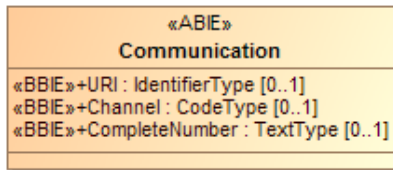
Christian and Fedder (DK) was removed from the ETC distribution list.

The item is closed.

Appendix A Agreed additions to the ebIX® Business Information Model 2018.A

A.1 BIE changes, e.g. cardinalities

- 1) Add an attribute “Disconnection Contract” (Boolean) in MP Administrative Characteristics
- 2) Change the Country Name (text) in the MP Address class to Country (coded)
- 3) Add a new ABIE; Communication:



- 4) 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
- 5) Verify that addition of an ASCC between the ACC Event and the ACC Address is on the list of ebIX® changes to UN/CCL
- 6) Add an ABIE Language Code to the ACC Address to the list of ebIX® changes to UN/CCL
- 7) Add a BBIE Type to the ABIE Metering Point Address

A.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.

A.3 New/changed associations

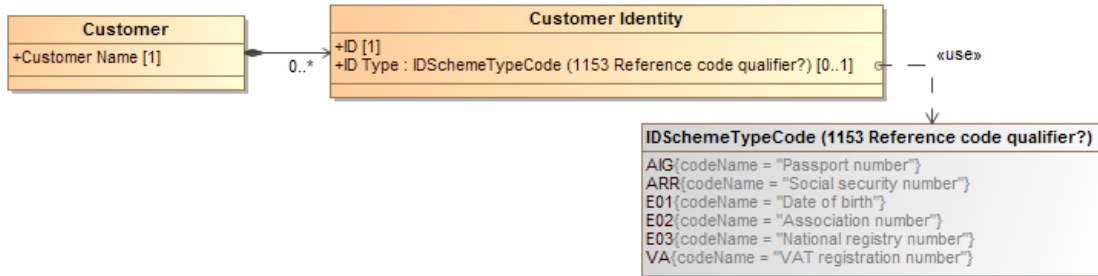
- 1) The ASBIE “Metering Point Domain Location” must be renamed to “Accounting Point Domain Location”.

Appendix B Proposals for update of the ebIX® Business Information Model

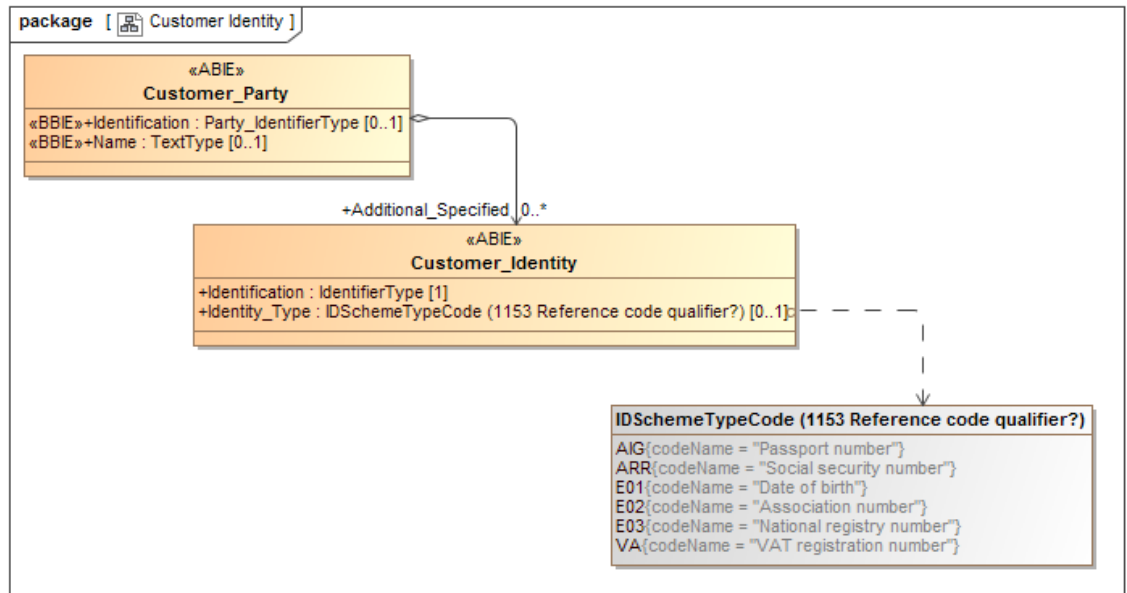
B.1 BRS for Alignment of characteristics for a Customer linked to a Metering Point

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

As shown in the BRS:



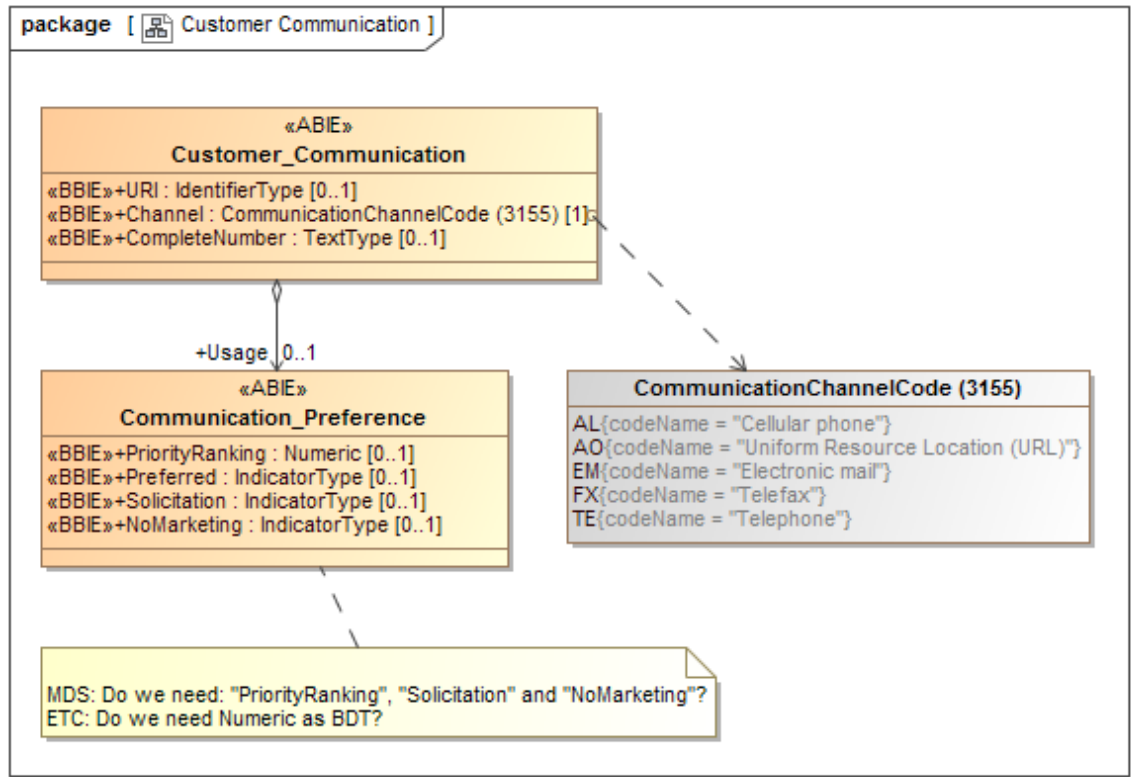
- o As shown in the ebIX® profile:



Action for ETC:

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

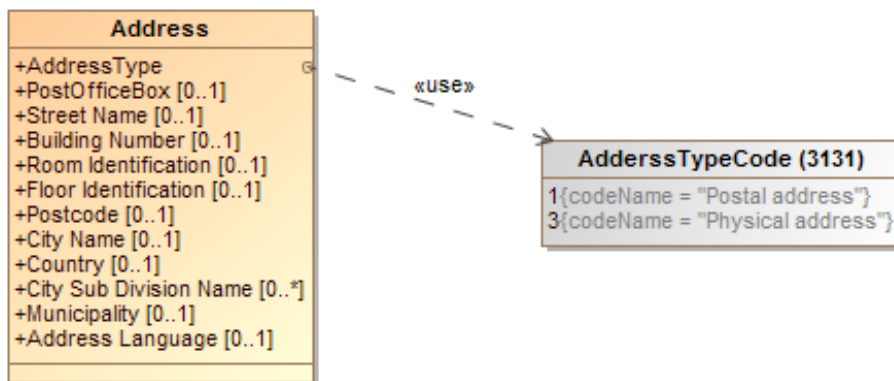
b) Add the «ABIE» «Communication Channel Type» and the related Communication Channel Code:



Action for ETC:

- o 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

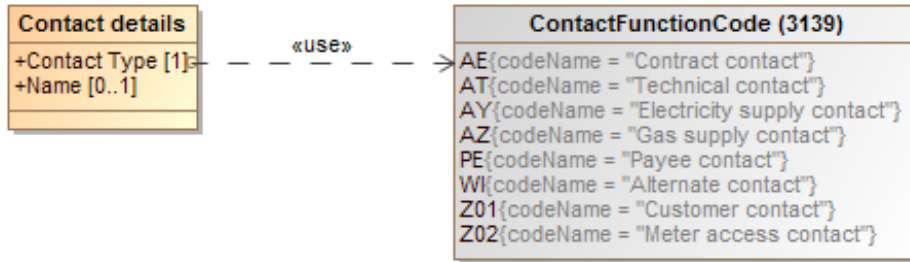
c) Add an Address Type, based on UN/CEFACT 3131 Communication Channel Code:



Action for ETC:

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

d) 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		possible alternatives for “Main contact”
	AZ	Gas supply contact	Department/person to contact for matters regarding gas supply		
	BF	Service contact	Department/person to be contacted in service matters.		
	IC	Information contact	Department/person to contact for questions regarding transactions.		
	CU	Customer contact	The main department/person to contact at the customer		
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		New UN/CEFACT code
Contract contact	AE	Contract contact	Department/person to contact for matters regarding contracts	NEW	

Action for ETC:

- o ETC will create the enumerations

Action for MDS:

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

B.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

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;
- b) And Business Reason codes for Change grid responsibility.

Status:

- o Awaiting finalisation of the BRS from MDS

B.4 Requests from EMD

- a) How to represent the exchange of calorific value in ABIEs

B.5 General model updates

- a) Replace the ACCs, BCCs etc. in the current CEFACT Profile with the “CEFACT Profile_Recast.mdzip” from Belgium and add generalisation from the “ebIX® assembled code list” to the related Belgian code list, received from Thibaut.
- b) Make the usage of “Time of Use” and “Meter Time Frame” consistent
 - o Check what is agreed with IEC in the TR
 - o Check what is the significance of “Time of Use”/“Meter Time Frame” in the proposal from Atrias
 - o Make the ebIX® model (Business requirements view and BIES) in line with the Atrias proposal
- c) At previous meeting, the ABIE MeteringPoint_Characteristic was split into AdministrativeMeteringPoint_Characteristic and PhysicalMeteringPoint_Characteristic. Due to this change, both the MDS and the EMD part of the ebIX® model must be corrected. Ove had corrected the MDS part, but noted that also the EMD document “Mapping Validated Data for Labeling for Certificate Issuer” needs to be corrected.
- d) Clean up of not used national enumerations

«ABIE» AdministrativeMeteringPoint_Characteristic
«BBIE»+MeteringPoint_Type : ebix.org::BDT::MeteringPointType_CodeType
«BBIE»+MeteringMethod_Type : ebix.org::BDT::MeteringMethod_CodeType
«BBIE»+SettlementMethod_Type : ebix.org::BDT::SettlementMethod_CodeType
«BBIE»+GridConnectionContract_Type : ebix.org::BDT::GridAgreementTypeDescription_CodeType [0..1]
«BBIE»+Tax_Type : ebix.org::BDT::CodeType [0..1]
«BBIE»+AdministrativeStatus_Type : ebix.org::BDT::Administrative_Status_CodeType [0..1]
«BBIE»+ContractedConnectionCapacity_Value : ebix.org::BDT::MeasureType [0..1]
«BBIE»+ScheduledMeterReading_Date : ebix.org::BDT::DateTimeType [0..1]
«BBIE»+MeterReadingFrequency_Duration : ebix.org::BDT::DurationType [0..1]
«BBIE»+StandardLoadProfile_Type : ebix.org::BDT::StandardLoadProfile_CodeType [0..1]
«BBIE»+MeteredDataCollectionMethodCode_Type : ebix.org::BDT::MeteredDataCollectionMethod_CodeType [0..1]
+MeteringGridArea_Used : ebix.org::ABIE::Domain_Location [0..1]
+BalanceGroup_Used : ebix.org::ABIE::Domain_Location [0..1]
+ContractedConnectionCapacity_Included : ebix.org::ABIE::Product_Characteristic [0..1]
+AggregatedReceptionStation_Used : ebix.org::ABIE::Domain_Location [0..1]
+CalorificValueArea_Used : ebix.org::ABIE::Domain_Location [0..1]
+Labelling_Included : ebix.org::ABIE::Generation_Characteristic [0..1]
«BBIE»+PhysicalStatus_Type
«BBIE»+VoltageLevel_Type
«BBIE»+PressureLevel_Type

- e) ebIX® Rules for the use of UN/CEFACT Modelling Methodology (UMM 2) - See question from Belgium in previous minutes.
- f) In the file generic\ebIX_ValidatedDataForBillingEnergy_2016pA.xsd I read

```

xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:rsm="un:unece:260:data:EEM" ...

```

and later

```

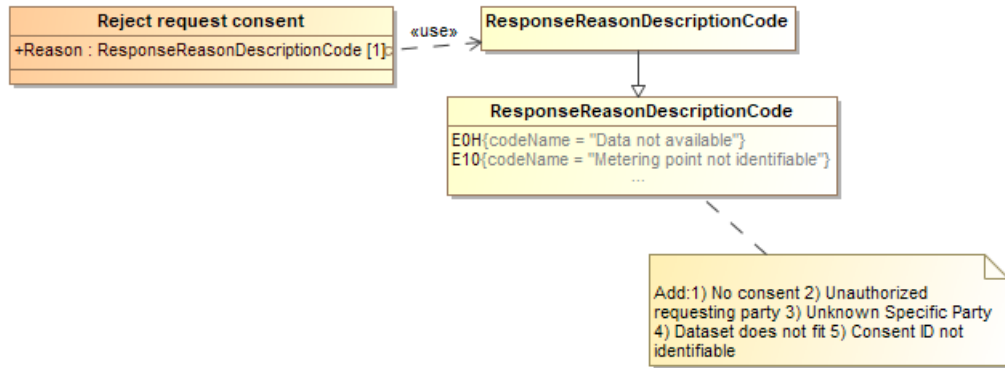
<xsd:element name="ValidatedDataForBillingEnergy"
type="crs:ValidatedDataForBillingEnergyType"/>...
<xsd:element ref="crs:Header" minOccurs="0" maxOccurs="1"/>

```

The namespaces doesn't match. Should be "rsm" or "crs" in both places, not different.

B.6 Code request from EBG

- 1) For all Reason codes, change (added at ETC meeting 20190212):
 - o Balance Supplier to Energy Supplier;
 - o Metering Point to Accounting Point.
- 2) In Reason code E18 change balance responsible to Balance Responsible Party(added at ETC meeting 20190212);
- 3) Add a new Reason code "Accounting Point not identifiable" – to replace E10 in most (all) BRSs (added at ETC meeting 20190212)
- 4) Add a Reason codes, ref BRS for Customer consent:



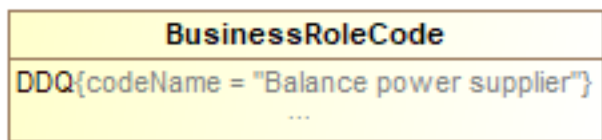
- a. No consent
- b. Unauthorized requesting party
- c. Unknown Specific Party
- d. Dataset does not fit
- e. Consent ID not identifiable

From EBG January 2019:

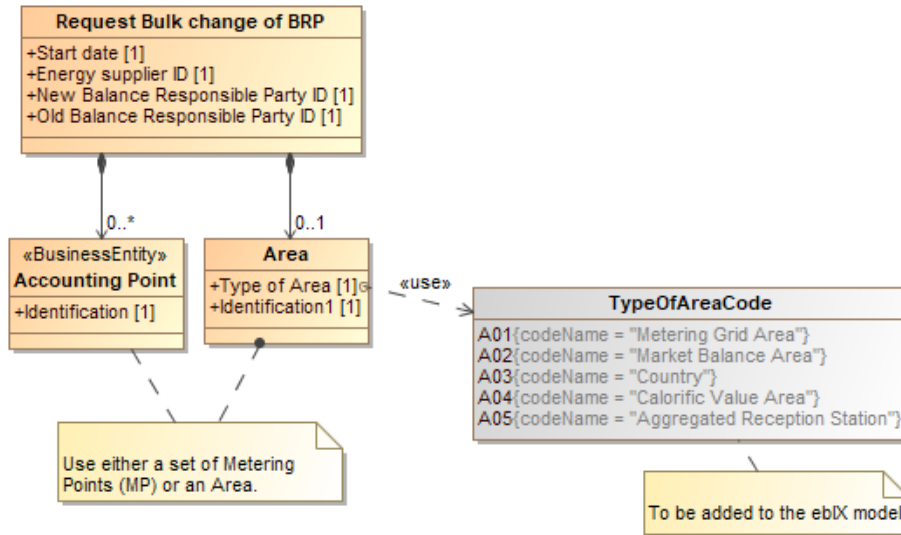
- 5) ETC will be asked to rename the following Response Reason Description Codes:
 - o E10: “Metering Point ...” to “Accounting Point”
 - o E16: “Unauthorised Balance Supplier” to “Unauthorised Energy Supplier”
 - o E18: “Unauthorised Balance Responsible” to “Unauthorised Balance Responsible Party”
- 6) ETC will be asked to rename the Business Role Code Transport Capacity Responsible Party to Shipper:



- 7) For ETC: Can we rename Balance power supplier to Energy Supplier?



- 8) Add a Type of Area code, ref BRS for Bulk change of BRP:



9) New Document Name Codes

- a. Request consent
- b. Response request consent
- c. Notify consent
- d. Termination of consent
- e. Notify withdrawal of consent
- f. Request termination of consent
- g. Response request termination of consent
- h. Request withdrawal of consent
- i. Response request withdrawal of consent
- j. Notify termination of consent
- k. Request valid consent
- l. Response request valid consent

10) New Business Reason Codes

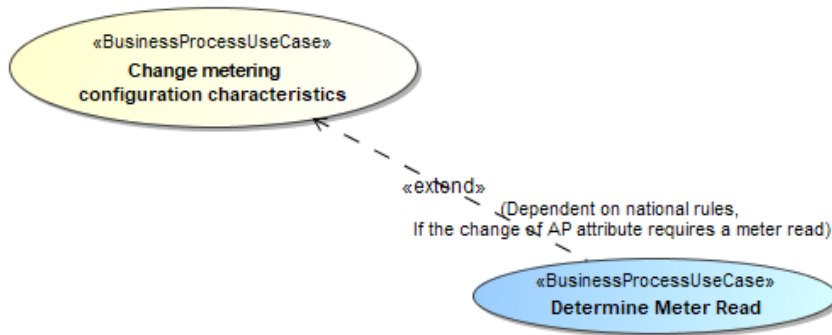
- a. Consent administration
- b. Change of Shipper

11) New Document Name Codes

- a. Specific Party

B.7 «extend» request from EBG

- 1) Add an extension from UC “Change metering configuration characteristics” to “Determine Meter Read”;
- 2) Add an extension from UC “Bulk change of BRP” to “Determine Meter Read”;
- 3) Remove one out of two extensions from UC “Bulk change of Shipper” to “Determine Meter Read”.



B.8 New codes from Sweden

1. In 6.1.1.2 in the (soon) published code list I find the list of Swedish “Document Name Code”. A new code will be used now in April 2019: **S08** Accepted bids. (We are using this code in UTILTS messages sent in Operation phase. Earlier we have just used UTILTS in the metering and settlement phases.)