

Minutes ETC meeting, February 12th and 13th, 2019

Date: Tuesday and Wednesday February 12th and 13th, 2019

Time: 09:00 – 17:00 (18:00?) and 09:00 – 15:30

Place: Edisys offices in Oslo

Present: Jan (Convenor), SE

Jan, NL

Kees, NL

Ove (Secretary), NO

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 at <https://filemanager.ebix.org/#>):

1. HRM_MR_Gateway operator & Communication Gateway - ebIX 20171116.docx: See item 7.1, Status: HG MR for “MP Gateway”
2. MR Party Admin - 20180227.docx: See item 7.2, Status: HG MR for “Party administrator”

1 Approval of agenda

The agenda was approved with the following additions:

- Refining the definition of the Resource, see item 7.4
- Request for updates from EBG, see item 8.4.1.
- ebIX comments to EC SGTF EG1 final report, see item 14.1 under AOB
- Should it be one «Business Partner» per UseCase?, see item 14.2 under AOB

2 Minutes from previous meeting

The minutes from previous meeting were approved.

3 Review of ETC workplan

Ove had as action from previous meeting finalised the workplan by adding dates for the rest of the BIMs, so that all BIMs are finalised by the end of 2019.

The workplan was reviewed and updated. The updated workplan is available at the ebIX[®] File Manager.

4 Resolve matters arising from latest ebIX® Forum

Action 2018b-04:

- ETC (Jan) will arrange a 90 minutes web-presentation of the Harmonised Role Model (HRM) 2019-01 when the HRM is ready for approval (February 2019?).

The CIM-EG reviewed the HRM 2019-01 at their meeting end of January. It was however not approved as is. There is a HG meeting next week where the issues hopefully will be approved.

The item was postponed.

5 Status: ebIX®/IEC project

The agenda for the IEC/WG16 meeting in Charlotte, in the end of February, was reviewed. Jan and Kees will be there. Jan will present proposed updates of the CIM from ebIX, such as addition of an Event class (see item 8.2), and Kees will present “EU downstream updates” (EG1 and EG3).

6 Status My Energy Data

Eric Lambert has made comments to the comments Jan made to the latest version of My Energy Data and most of Jan’s comments were approved. The document will be further discussed at the WG16 meeting in Charlotte end of February. A next version of the CD (Committee Draft) is expected published after the meeting in Charlotte.

7 Status HG MR

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

Awaiting assessment in HG. However, the Gateway is still under discussion in Germany and we will propose to postpone the assessment in the HG.

7.2 Status: HG MR for “Party administrator”

Awaiting assessment in HG.

7.3 Status: HG MR for “Metered Data Distributor”

Awaiting assessment in HG.

7.4 Refining the definition of the Resource

The ebIX® project for Distributed Flexibility Services asks ETC to send a MR (Maintenance Request) to the HG (Harmonisation Group) for refining the definition of the Resource, based on the statement “a Resource is a capability of offering flexibility in an Accounting Point”:

~~An object that represents~~ **A market representation of an asset or a group of assets** ~~a grid asset, a consumption resource or a production resource~~-related to the energy industry.

Additional information:

A Resource can be a representation of one or more grid assets, consumption assets or production assets, representing for example representing a generating unit, a consumption unit or a virtual power plant defined in a contract.

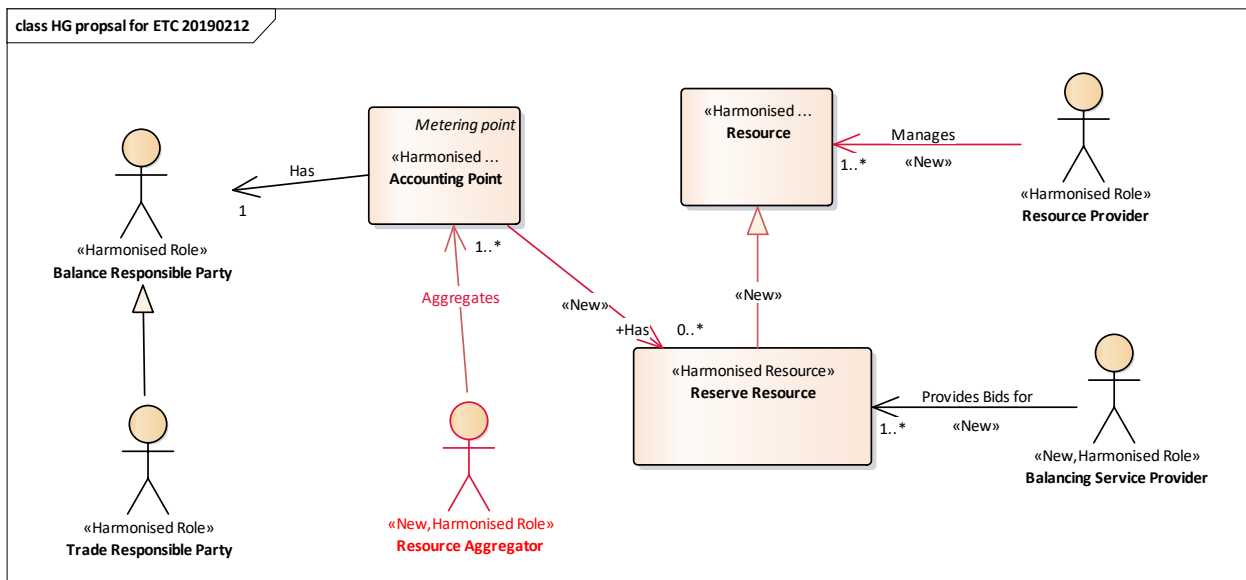
Further it was proposed some more updates of the HRM:

- Move the association from **Resource Provider** to **Production-Consumption Resource**, to go from **Resource Provider** to **Resource**.
- Rephrase the definition of the Balancing Service Provider so that it is not restricted to only TSO, e.g. rename TSO to System Operators:

A party with reserve-providing units or reserve-providing groups able to provide balancing services to TSOs **System Operators**.

Source: Electricity Balancing - Art.2 Definitions.

- Rename **Flexibility Service Provider** to **Aggregator** (or Resource Aggregator)

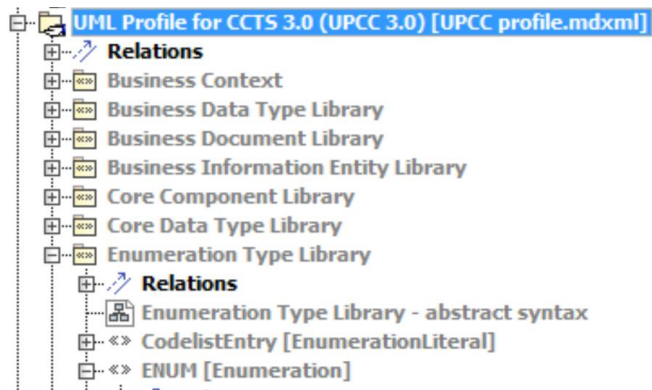


The item is closed.

8 ebIX® Business Information Model 2019.A

8.1 Review of Appendix A (in the agenda)

Appendix A in the agenda: "ebIX® Rules for the use of UN/CEFACT Modelling Methodology (UMM 2)" was reviewed and it was noted that the <<ENUM>> stereotype comes from UPCC:



The item is closed.

8.2 How to reference (map) information/data to a reference information model (CIM?)?

Ove had as part of the RtR project updated the structure module according to the decisions from previous ETC meeting:

- We keep our “additions”-class and “asynchronous”-class for the time being.
- We keep our document header and its coded values in a separate class diagram (in an appendix?)
- The Document Type is already optional in the ABIE. We will from now on make the Document Type optional in the MBIE but keep showing the codes.
- We stop using the “entity”-classes from the HRM, i.e. we move AP ID, etc. into the root «Business Entity».
- We will start using Accounting Point instead of Metering Point for all structuring documents (master data).
- We remove state diagrams from the BRSSs, i.e. we keep on using states in the activity diagrams in the BRSSs.

ebIX® (Jan and Kees) will bring up the request for adding the Event class to basic CIM at the coming WG16 meeting end of February.

Jan has gone through the TR and made a document with a list over which updates that still are needed in basic CIM. The document was reviewed and among others, the question of how to add attributes, such as Metering Method and Settlement Method was discussed. The following options were proposed:

1. Make a separate class for these attributes and later associate this class with the “master classes” where they are needed, e.g. in Time Series and Event.
2. Add the attributes directly to the “master classes” where they are needed, e.g. in Time Series and/or Event.
3. It was also suggested making a generic “Method-class” with a Type and a Method. However, the idea was skipped since these “methods” are enumerations.

Conclusion:

- The preferred option seems to be option 2, i.e. to add the attributes directly to the “master classes” where they are needed, e.g. in Time Series and/or Event.

Jan will do some updates, publish the document at the ebIX® File Manager and present it at the coming WG16 meeting end of February.

The item is closed.

8.3 Use of XOR in combination with cardinalities

Continued action:

- Kees will make a proposal for update of the “ebIX® introduction to Business Requirements and Information Models” with a chapter explaining the relationship between cardinalities and OR/XOR, including:
 - o XOR and cardinality of [1] lead to a required choice in the XML schema;
 - o XOR and cardinality of [0..1] lead to an optional choice in the XML schema.

8.4 Continue review and update of version 2019.A

Proposed updates are found in Appendix A and Appendix B.

8.4.1 Request for updates from EBG

The following request for update from EBG was added to the list of updates in Appendix B/B.6:

- Add the following Response Reason Description Codes to the ebIX® model:
 - 1) No consent;
 - 2) Unauthorised requesting party;
 - 3) Unknown Specific Party.
- For all Reason codes, change:
 - o Balance Supplier to Energy Supplier;
 - o Metering Point to Accounting Point.
- In Reason code E18 change balance responsible to Balance Responsible Party;
- Add a new Reason code “Accounting Point not identifiable” – to replace E10 in most (all) BRSS

9 Upgrade of MagicDraw from version 18.2 to 18.5 or 19.0

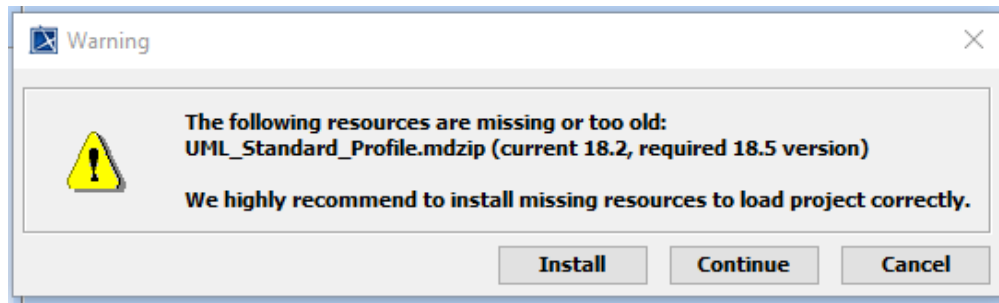
From previous meeting minutes:

Status for MD versions used in the ebIX® countries:

Responder	Current version	Response
Atrias	MagicDraw 18.2	Belgium has migrated to EA. They had a MD licence that lasted until the end of 2018. Belgium has no problems with ebIX® upgrading.
BDEW	MagicDraw 17.?	Can probably not read the current ebIX® model anyway and has no problems with an upgrade.
Fingrid	MagicDraw 18.3	Do not know if there will be any problems.
Svenska kraftnät	MagicDraw 19.0	Upgraded February 2019, no problems yet.

Ove and Jan had tested how a MagicDraw (MD) model created by MD version 18.5 works with MD versions 18.2, with the following result:

- When opening the 18.5 model, the following message appear:



- When choosing to install, the model is not loaded;
- When choosing to continue, the model opens with the following warning in the MD “Notification Window”:

[2018.09.10::09:22:24] HRM 2018-01 20180823_18-5-version.mdzip has been saved with a newer MagicDraw version 18.5 and may have information not supported by version 18.2. Please use MagicDraw version 18.5 or higher. If you still need to use MagicDraw 18.2, back up HRM 2018-01 20180823_18-5-version.mdzip to prevent data loss.
- However, the model seems to work fine. The model can be saved as a 18.2 version and this model opens fine, without any errors or warnings.
- A MD 18.2 model opens fine in MD 18.5, without any warnings.

Due to lack of time, the item was postponed.

10 EBG BIMs

Due to lack of time, the item was postponed.

11 Code lists from Magic Draw model in Word format

Ove had as action item made a first proposal of a code lists from Magic Draw model in Word format. The code list is uploaded to the ebIX® File Manager under “Working documents”.

Action:

- All are asked to review the proposed code list (see ebIX® File Manager) before next meeting. After next meeting it is expected to be published at the ebIX® Web site.

12 Status for update of the TT (Transformation Tool)

We are awaiting a QA of the documentation.

“Appendix C, TT questions” was reviewed and all items was cleared out, except for the usage of prefix crs/rsm, which was added to appendix B, proposed changes to the ebIX® Model.

Continued action:

- ETC members are asked to review the documentation.

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

- Wednesday and Thursday April 10th and 11th, 2019, Warszawa
- Tuesday and Wednesday June 25th and 26th, 2019, Svenska kraftnät's offices in Sundbyberg (Stockholm)

14 AOB

14.1 ebIX comments to EC SGTF EG1 final report

The main part of the meeting was used to review and comment on the final report from EC/SGTF/EG1.

The report is expected to be finalised by EG1 on Thursday February 14th.

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

The ebIX® project for Distributed Flexibility Services asks ETC to:

- see if we should make «Business Partner» per UseCase instead of reusing the same in all UseCases.

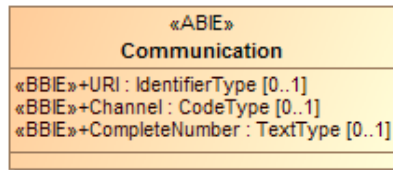
Conclusion:

- As a start we will make one package for each BRS in the Partner View and make sure that all not needed relations are cleaned up.

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

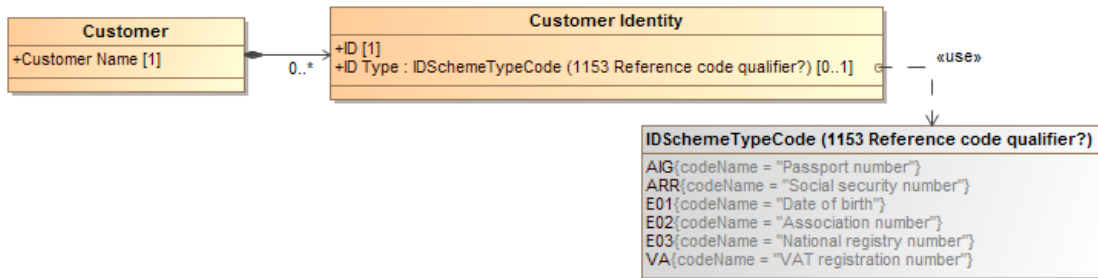
- 1) The ASBIE “Metering Point Domain Location” must be renamed to “Accounting Point Domain Location”.

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

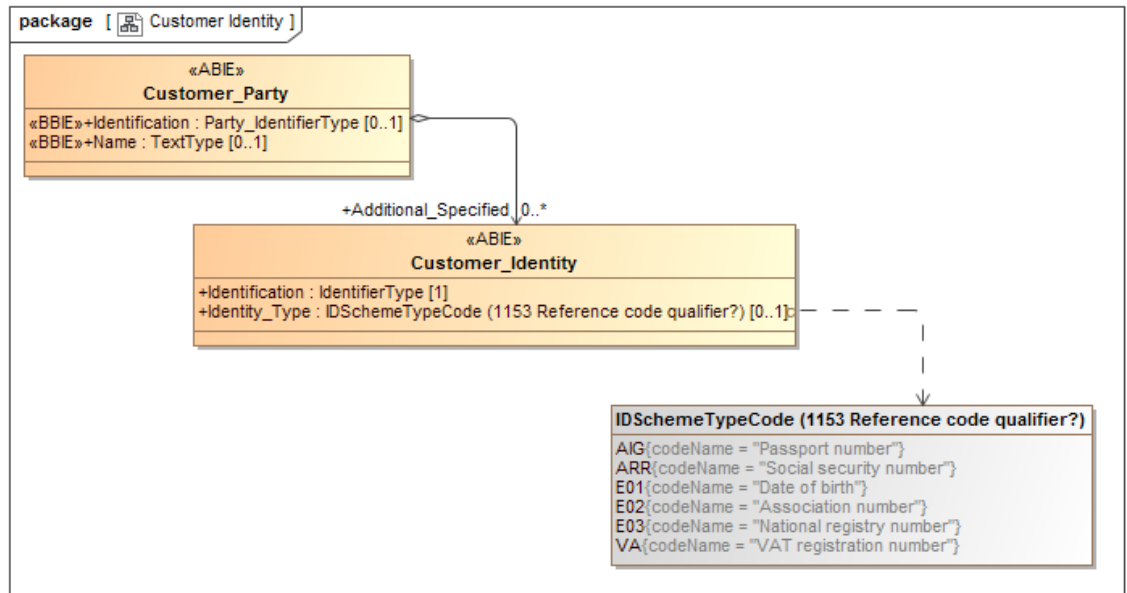
B.1 BRS for Alignment of characteristics for a Customer linked to a Metering Point

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

As shown in the BRS:



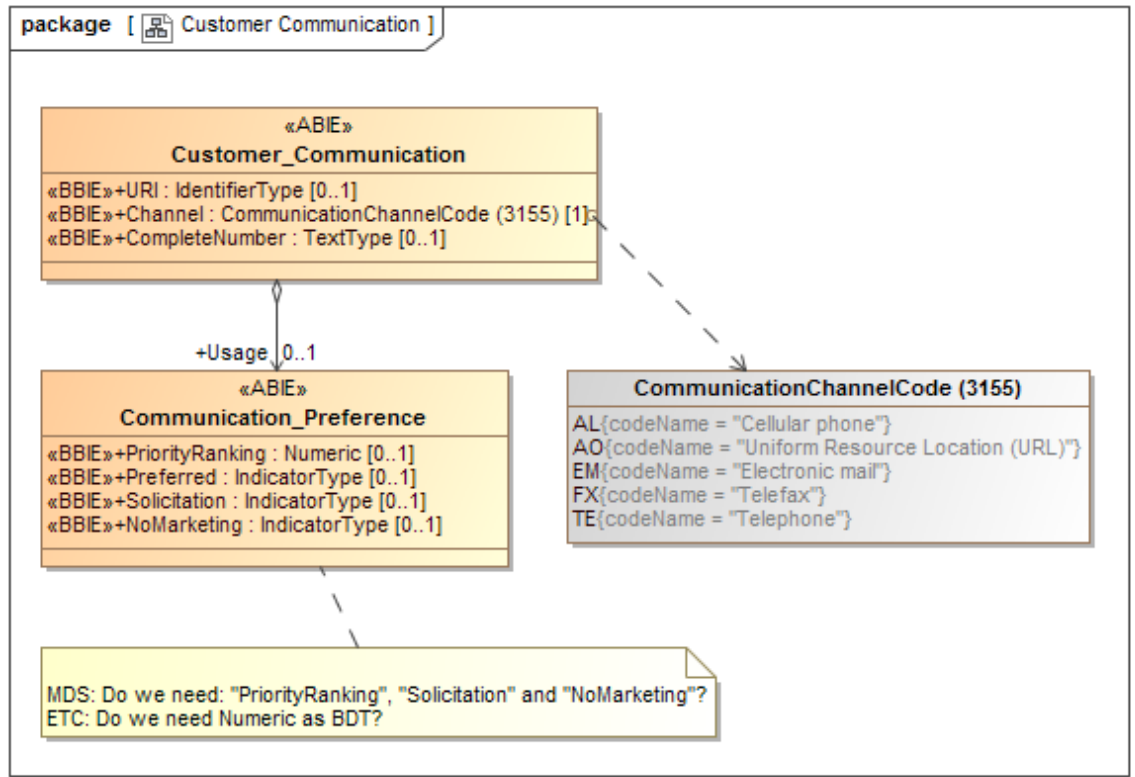
- o As shown in the ebIX® profile:



Action for ETC:

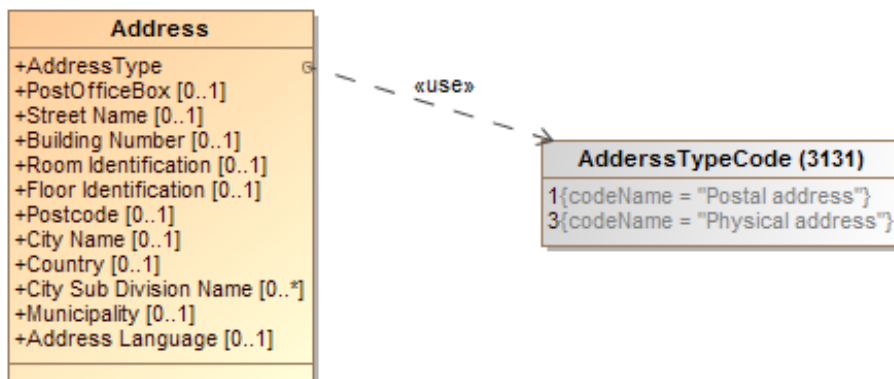
- o Approved by MDS – ETC will create the «ABIE» Customer Identity and related code list

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



Action for ETC:

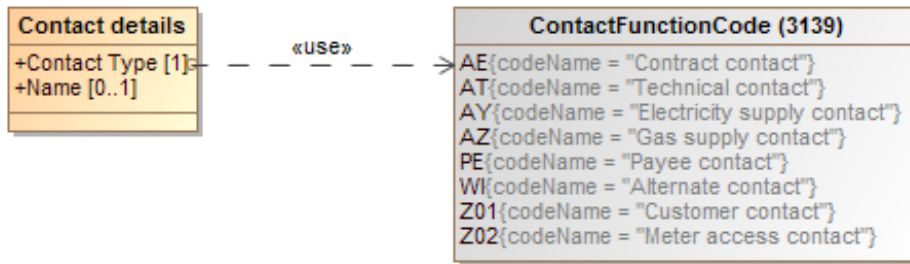
- o Approved by MDS – ETC will add the «ABIEs» Customer Communication and Communication Preference, and the related Communication Channel Code.
 - Note that MDS will only use attribute “Preferred” from the class Communication Preference.
- c) Add an Address Type, based on UN/CEFACT 3131 Communication 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) 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="cxs:ValidatedDataForBillingEnergyType"/>...
<xsd:element ref="cxs:Header" minOccurs="0" maxOccurs="1"/>
```

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

B.6 Code request from EBG

- 1) Add the following Response Reason Description Codes to the ebIX® model (added at ETC meeting 20190212):
 - 4) No consent;
 - 5) Unauthorised requesting party;
 - 6) Unknown Specific Party.
- 2) For all Reason codes, change (added at ETC meeting 20190212):
 - o Balance Supplier to Energy Supplier;
 - o Metering Point to Accounting Point.
- 3) In Reason code E18 change balance responsible to Balance Responsible Party(added at ETC meeting 20190212);
- 4) Add a new Reason code "Accounting Point not identifiable" – to replace E10 in most (all) BRSs (added at ETC meeting 20190212)