

Minutes ETC meeting, November 22nd and 23rd, 2016	 European forum for energy Business Information eXchange
December 12 th , 2016	ETC – ebIX® Technical Committee

Minutes ETC meeting, November 22nd and 23rd, 2016

Date: Tuesday and Wednesday November 22nd and 23rd, 2016
Time: 09:00 – 18:00 and 09:00 – 17:30
Place: BDEW's offices in Berlin, preceding the ebIX® Forum meeting November 24th
Present: Jan (Convenor), SE
Jari, FI
Kees, NL
Ove (Secretary), NO
Pawel, PL
Thibaut, BE

Appendices: **Appendix A**, ebIX® Rules for addressing (routing)
Appendix B, Pending list
Appendix C, The tasks of ETC
Appendix D, Agreed additions to the ebIX® Business Information Model 2016.A

Attachment:



EASEE-gas answer
to EBIX comments on

See item 19.1, Response to comments to the EASEE-gas Role Mode for the gas sector

(Double click on the icon above to see the presentation or right click to edit)

1 Approval of agenda

The agenda was approved with the following additions:

- Use of XOR in combination with cardinalities, see 7.11
- Magic Draw version 18.2, ebIX® model 2016.A, ebIX® “standard messages”, etc., see 7.12
- Response to comments to the EASEE-gas Role Mode for the gas sector, see 19.1 under AOB

2 Minutes from previous meetings

The Minutes from previous meeting were approved after correction of Thibaut's name (shall be Hellin).

3 Preparations for ebIX® Forum meeting November 24th 2016

The ebIX® Forum session file was reviewed and slides concerning ETC, IEC and HG were corrected and simplified.

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

4.1 HRM MR from CuS for addition of Gateway Operator and Communication Gateway

CuS has postponed the review the MR for Gateway Operator and Communication Gateway until February 2017, hence the item was postponed.

4.2 Actions from previous HG meeting

Since the ENTSO-E Market Integration Working Group (MIWG) has agreed to cooperate with WG-EDI in a 1-day-workshop after Christmas, next HG meeting is postponed. For this reason the item was postponed until next meeting.

5 ebIX® web site

Ove had as action from previous meeting added links to [CEDEC](#), [IEC](#) and the [Polish web site](#).

Ove also informed that the ebIX® Standard Presentation had been updated, i.e. the Polish member of ebIX® is changed from Energa-Operator to PTPIREE.

Pawel informed that the implementation of ebIX® based data exchange still is awaiting approval by the Ministry of Energy. Further Pawel informed that there is a suggestion to investigate blockchain technology for exchanging normal information in the Polish market.

Jan noted all links at the Links page would lead you to the Polish site (<http://cswi.ptpiree.pl/o-cswi>). This was reported to the web-master and corrected during the meeting.

Kees took up the question of what to put on the web site regarding TT and the ebIX® model:

- It was proposed to remove the TT itself from the web site and instead add a text that ebIX® must be contacted to get the TT.
- The TT documentation should be available from the web site.
- Also the ebIX® Model should be available from the web site

Also the publication of the ebIX® model was discussed. Ove will make a section, called “Most recent combination of BRS and BIM” at the ebIX® Documents page, for the CuS documents, with the current BIMs and add related (older) BRSS to this block (four BIMs and four related BRSSs). In addition, Ove will make a new block containing the current ten BRSSs, called “Most recent BRS without BIM”. And, publish related BIMs as soon as these are ready (January 2017). Kees will do a similar updated with the EMD documents. The result will look like this:

- CuS Model documents (customer switching) -		
Most recent combination of BRS and BIM:	• ebIX Business Requirements for Change of Supplier v3r2A	
	• ebIX Business Requirements for End of supply v3r2A	
	• ebIX Business Requirements for Notify MP characteristics v3r2A v3r2A	
	• ebIX Business Requirements for Change of Balance Responsible Party v3r2A	
	• ebIX Business Information Model for Change of Supplier 2014A	2014.A
	• ebIX Business Information Model for End of supply 2014A	2014.A
	• ebIX Business Information Model for Notify MP characteristics 2014A	2014.A
	• ebIX Business Information Model for Change of Balance Responsible Party 2014A	2014.A

Most recent BRS without BIM:	<ul style="list-style-type: none"> • ebIX Business Requirements for Customer Move v3r2A • ebIX Business Requirements for Alignment of MP characteristics v3r3A • ebIX Business Requirements for Change of Metered Data Responsible v3r2A • ebIX Business Requirements for End of Metered Data Responsible v3r2A • ebIX Business Requirements for Change of Transport Capacity Responsible v3r2B • ebIX Business Requirements for Request MP Characteristics v3r2A • ebIX Business Requirements for Upfront request for Metering Point Characteristics v3r2A
------------------------------	--

- EMD Model documents for Measured Data -

.....

During the meeting the ebIX® model 2014.A was cleaned up, including the Structure and Measure modules, i.e. the model is ready for publication. Version 2014.A will be published using Magic Draw 17.0, while the next model (2016.A) will be made by using Magic Draw 18.2.

Actions:

#	Action	Responsible	Time
1	Publish ebIX® model 2014.A, including: <ul style="list-style-type: none"> • Using the latest Magic Draw 17.0 ebIX® model • From the Structure module, remove <<e-DocLibrary>> from all documents related to change of TCR • From the Measure module, remove <<e-DocLibrary>> from Labeling and Calorific value • A textual comment on the web page that this is a revision 	Kees	November 2017
2	Update EMD membership list	Kees	December 2016
3	Update the TT manual	Kees	January 2017
4	Remove the TT itself from the ebIX® web site: <ul style="list-style-type: none"> • Add a text to contact ebIX® to get it • Keep the link to the documentation (manual) 	Kees	January 2017
5	Make a section, called “Most recent combination of BRS and BIM” at the ebIX® Documents page, with the current BIMs and add related (older) BRSs. In addition, make a new block containing the current BRSs, called “Most recent BRS without BIM”.	Kees for EMD and Ove for CuS	January 2017
6	Publish related BIMs as soon as these are ready	Kees for EMD and Ove for CuS	January 2017

6 AS4

Kees informed that there is an ongoing feasibility study in the Netherlands, consisting of among others TenneT, Unicorn (MADES consultant), GTS and Pim van der Eyck (AS4 consultant):

- The starting point was that gas want to use AS4, while electricity wants to use MADES
- Is it possible to combine MADES and AS4?
- There is a theory that AS4 is suitable for smaller organisations, while MADES is suitable for larger files.
- An option is using the “migration shell” from previous MADES version to the newer version and extend this for AS4.
- Another option (less probable) may be making a MADES AS4 client

Making a short presentation for ebIX® Forum was postponed.

7 ebIX® Business Information Model 2016.A

7.1 Continue review and update of version 2016.A

Proposed updates are found in Appendix D.

7.2 To be discussed and agreed, for ebIX® model 2016.A:

Since CuS not yet has dealt with the item, the item was postponed.

7.3 CuS BIMs (“to remember item” until ebIX® model 2016.A is agreed)

Dealt with under item 5.

7.4 How to represent the exchange of calorific value in ABIEs

Postponed until next meeting.

7.5 How to extend the possibilities for national customisation?

Postponed until next meeting.

7.6 QA of the ebIX® model

Postponed until next meeting.

7.7 Code lists

The Belgian code lists was added to the ebIX® model during the meeting. However, the generalisation from the “ebIX® assembled code list” to the related Belgian code list will be added as homework. It was noted that there are several Belgian code lists not found in the ebIX® model and that these code list has their own “Belgian assembled code lists”.

Swedish code lists from Jan were already in the ebIX® model.

Thibaut had also provided an updated version of the CEFACT Profile (CEFACT Profile_Recast.mdzip), which should replace the ACCs, BCCs etc. in the current CEFACT Profile. This is however a bit of a job, since all links (based on...) need to be moved from the old ACCs to the new ACCs etc.

Review of missing “Code Name” (tagged value) was postponed

Conclusion:

- We let only existing ebIX® assembled code lists inherit from the Belgian code lists (<<Subset>>). Other Belgian code lists will only be available from the Belgian code list module.

Action:

- Kees will add ConversionFactorTypeCode

ConversionFactorTypeCode
E01{codeName = "Current"}
E02{codeName = "Voltage"}
E03{codeName = "Pressure"}
E04{codeName = "Temperature"}
E05{codeName = "Altitude"}
E06{codeName = "Measurement"}

- Kees will distribute a draft 2016.A to ETC, where the latest Structure and Measure modules have been merged
- Kees will add generalisation from the “ebIX® assembled code list” to the related Belgian code list
 - Belgian code lists not found in the ebIX® model has their own “Belgian assembled code lists”, hence these will not be linked to “ebIX® assembled code list”
 - Thibaut will provide Kees with a list over Belgian code lists that shall be linked to “ebIX® assembled code list”
- Kees will replace the ACCs, BCCs etc. in the current CEFACT Profile with the “CEFACT Profile_Recast.mdzip” from Belgium
 - Open this profile while ignoring all requests for mounting to another file

7.8 Aligning the Requirements View of Measure and Structure

Postponed until next meeting.

7.9 Alignment of external content in the ebIX® model

Update to the latest UN/CEFACT CCs was handled under item 7.7.

Jan volunteered to verify if the Harmonised Role model in the ebIX® Magic Draw model is in line with the latest Harmonised Role Model from the HG.

There are no new stereotypes from UMM.

Action:

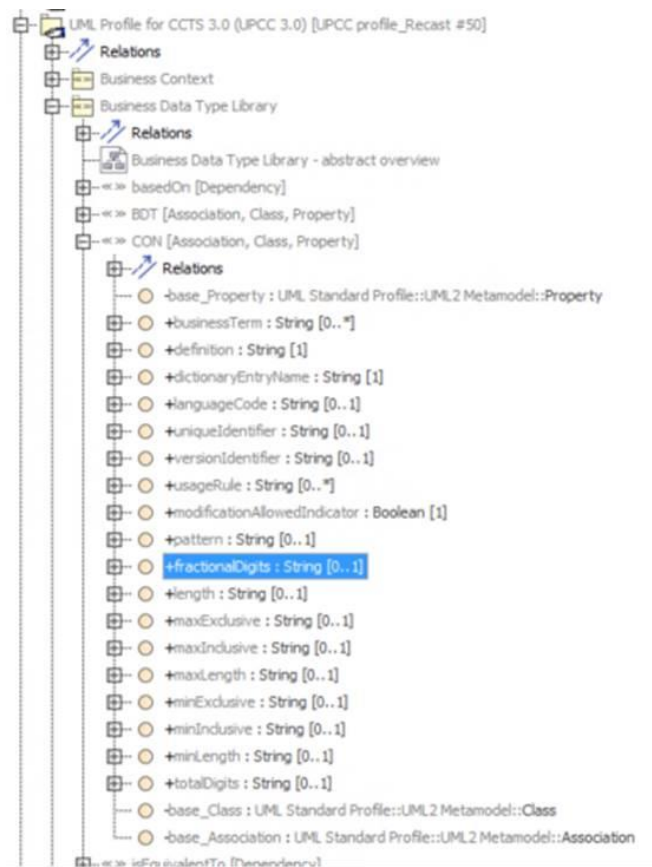
- Jan will verify if the Harmonised Role model in the ebIX® Magic Draw model is in line with the latest Harmonised Role Model from the HG

7.10 MagicDraw - fractionalDigits Vs fractionDigits

From Thibaut:

In the ebIX model you created the UPCC package containing the different UMM2 stereotypes and the different tags associated to each stereotype. For <<CON>> (like for the others using them) you added the different facets.

I would like to specify that if in MagicDraw we have “fractionalDigits” in the UPCC document (see attachment) they are speaking about “fractionDigits” (and it is also the term used in XSDs)



	Tag Definition	Type	Multi- plicity	Description
ons	fractionDigits	string	0:1	The tags can be used to restrict component of a QDT based on a QDT based on CDT "Text" c restricted to a length of 4).
	length	string	0:1	
	maxExclusive	string	0:1	
	maxInclusive	string	0:1	
	maxLength	string	0:1	
	minExclusive	string	0:1	
	minInclusive	string	0:1	
	minLength	string	0:1	
	pattern	string	0:1	
	totalDigits	string	0:1	
	whiteSpace	string	0:1	

Is it an error in our model or is there any reason why we did it on a different way?

Please note that we are not requesting for an adaptation as we just wrote all our facets OCLs (using fractionalDigits where applicable).

During the meeting it was found that UPPC v3.0 uses fractionalDigits, the document was distributed to the participants at the meeting.

Conclusion:

- The information was taken ad notam

7.11 Use of XOR in combination with cardinalities

We should add a chapter to the “ebIX® introduction to Business Requirements and Information Models” where the relationship between cardinalities and OR/XOR are explained, i.e.:

- XOR and cardinality of [1] lead to an required choice in the XML schema
- XOR and cardinality of [0..1] lead to an optional choice in the XML schema

Action:

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

7.12 Magic Draw version 18.2, ebIX® model 2016.A, ebIX® “standard messages”, etc.

Postponed until next meeting.

8 Document type codes and Business reason for CuS change of MP Characteristics

CuS had asked for codes for:

- Business reason for change of MP Characteristics
Conclusion: Use “E0S, Change of MP Characteristics” (new code)
- Document Type codes for
 - Request Change
Conclusion: Use “E79, Indirect request to change” (new code)
 - Response Change
Conclusion: Use “E80, Response indirect request to change” (new code)
 - Request Update
Conclusion: Use 392
 - Response Update
Conclusion: Use 414

Action:

- Kees/Ove will verify the proposal above at the next CuS meeting

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

Postponed until next meeting.

10 Status for letter to Magic Draw and EA regarding compatibility

Kees had made a phone call to Magic Draw (MD) regarding compatibility with Enterprise Architect. The answer was related to what they already have done, i.e. no big news.

11 Code lists from Magic Draw model in Word format

Thibaut informed that Belgium (Atrias) has created a diagram of type “Generic Table” with “Enumeration” and “Enumeration Literal” as “Element Type”, the packages where we find codes as “Scope” and the desired columns. We also add the Qualified Name as column and we do the sort on it so our table is directly complete and correctly ordered. We then only have to “Export” it into excel spreadsheet (see attachment)

#	Name	codeListName	codeName	uniqueIdentifier	versionIdentifier	codeListAgencyIdentifier	codeListIdentifier	Qualified Name
72	BE0		Cut-Off					ebix.org:Codes:ebDX External:ebDX National:BE>
73	BE3		Initiate Stop Access					ebix.org:Codes:ebDX External:ebDX National:BE>
74	BE3		Preswitching					ebix.org:Codes:ebDX External:ebDX National:BE>
75	BE3		Selling					ebix.org:Codes:ebDX External:ebDX National:BE>
76	BE3		Validation of Meter Reads					ebix.org:Codes:ebDX External:ebDX National:BE>
77	BE3		Operational Balancing					ebix.org:Codes:ebDX External:ebDX National:BE>
78	BE3		Rectification					ebix.org:Codes:ebDX External:ebDX National:BE>
79	BE_BusinessRoleCode	BE_BusinessRoleCode		BE000003	0.1.A	260	BEL	ebix.org:Codes:ebDX External:ebDX National:BE>
80	BE3		Previous Contractual Party					ebix.org:Codes:ebDX External:ebDX National:BE>
81	BE3		Following Contractual Party					ebix.org:Codes:ebDX External:ebDX National:BE>
82	BE3		Administrative Contact For DGI					ebix.org:Codes:ebDX External:ebDX National:BE>
83	BE_CalculationType	BE_CalculationType		BE000004	0.1.A	260	BEL	ebix.org:Codes:ebDX External:ebDX National:BE>
84	BE3		Compensation					ebix.org:Codes:ebDX External:ebDX National:BE>
85	BE3		Valuation					ebix.org:Codes:ebDX External:ebDX National:BE>
86	BE_ContractCategory	BE_ContractCategory		BE000005	0.1.A	260	BEL	ebix.org:Codes:ebDX External:ebDX National:BE>
87	BE3		Residential					ebix.org:Codes:ebDX External:ebDX National:BE>
88	BE3		Non-residential					ebix.org:Codes:ebDX External:ebDX National:BE>
89	BE_CostCategory	BE_VATTarif		BE000030	0.1.A	260	BEL	ebix.org:Codes:ebDX External:ebDX National:BE>
90	BE3		Distribution Cost					ebix.org:Codes:ebDX External:ebDX National:BE>
91	BE3		Transport Cost					ebix.org:Codes:ebDX External:ebDX National:BE>
92	BE_DocumentNameCode	DocumentNameCode		BE000344	0.1.A	260	BEL	ebix.org:Codes:ebDX External:ebDX National:BE>
93	BE3		Aggregated validated metered					ebix.org:Codes:ebDX External:ebDX National:BE>
94	BE3		Portfolio data					ebix.org:Codes:ebDX External:ebDX National:BE>
95	BE3		Estimated Metrics					ebix.org:Codes:ebDX External:ebDX National:BE>
96	BE3		Synthetic Profile Data					ebix.org:Codes:ebDX External:ebDX National:BE>
97	BE3		Infeed Correction Factors					ebix.org:Codes:ebDX External:ebDX National:BE>
98	BE3		Notification regarding a rectific					ebix.org:Codes:ebDX External:ebDX National:BE>
99	BE3		Response regarding a rectific					ebix.org:Codes:ebDX External:ebDX National:BE>
100	BE3		Aggregated Allocation Data for					ebix.org:Codes:ebDX External:ebDX National:BE>
101	BE3		Prices for Financial Settlement					ebix.org:Codes:ebDX External:ebDX National:BE>
102	BE3		Master Data Balance Supplier					ebix.org:Codes:ebDX External:ebDX National:BE>

Hence, during the meeting a new code list table was made (in Excel) according to the Belgian solution.

During this item it was noted that all code lists should be checked for codes without a code name. These should be given a name or deleted. The action was added to the “Appendix D, Agreed additions to the ebIX® Business Information Model 2016.A” under “D.2, New enumerations and/or DT”

Action:

- Kees will clean up the generated Excel code list and publish it on the ebIX® web site.

12 Making a plan for support for new countries that want to use the ebIX® model

Postponed until next meeting.

13 Status for update of the TT (Transformation Tool)

A new version was received during the first day of the meeting. This version seems to solve all outstanding items and an approval is expected within a few weeks.

Conclusion:

- The latest TT version will be verified by Thibaut and Kees. If OK, Kees will ask In4mate to publish the source and documentation on github.com, thereafter Lucy will be asked to approve it.

14 Creation of an ebIX® technical presentation

Postponed until next meeting.

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

Postponed until next meeting.

16 Status for ebIX® project for new roles related to smart processes, with a special focus on flexibility markets

Postponed until next meeting.

17 Status and continuation of ebIX®/IEC TR project (“to remember item” for January 2017)

Postponed until next meeting.

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

- Wednesday 25th (09:00 – 17:00 (18:00?)) and Thursday 26th (09:00 – 16:00 (15:00?)) of January 2017, at Energinet.dk’ offices in Erritsø, Denmark

19 AOB

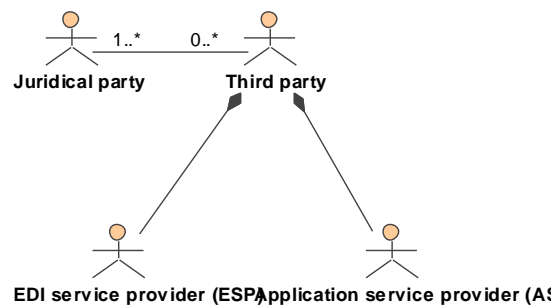
19.1 Response to comments to the EASEE-gas Role Mode for the gas sector

The EASEE-gas Role Mode for the gas sector has now been finalized and will be available on the EASEE-gas website soon. The EASEE-gas answer to the ebIX® questions/comments are attached.

Appendix A ebIX® Rules for addressing (routing)

A.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.

A.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]	q
+Business Reason : BusinessReasonCode [1]	q
+Ancillary Business Process Role : BusinessRoleCode [1]	p

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.¹
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.²

¹ Point 5 and 6 must be verified with ebIX® BRS for Acknowledgement

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

Appendix B Pending list

A. ebIX® recommended identification scheme

Chapter 7 from the «ebIX® common rules and recommendations» should be a basis for a new chapter in the ebIX® recommended identification scheme document.

B. ebIX® Modelling Methodology

Homework from earlier meetings:

- Those who have time are asked to read the ebIX® Modelling Methodology (see www.ebix.org) and see if there are parts of it that have to be moved to the *ebIX® Rules for the use of UMM2* or *Introduction to ebIX® Models* documents.

C. ebIX® header:

- a) Do we want the following rule?

The requestor id and the requestor role (Business process role) for the actor (role) that asks for changed, added or deleted information of another role shall be stated in the document header.

- b) The content of the Energy Document and Energy Context ABIEs needs a review.

D. Making a HTML version of the ebIX® model

Appendix C The tasks of ETC

Task	Group	Priority	Planned
Update of Introduction to Business Requirements and Information Models		High	Every Q1
Making ebIX® Recommendations for usage of WEB services including recommendations for acknowledgement and error handling		Medium	2016
Review of “Rules for status and consequences for ebIX® documents”		Medium	Every Q1
Maintain the ebIX® technical documents: <ul style="list-style-type: none"> • ebIX® Rules for the use of UMM-2.0 • ebIX® common rules and recommendations (v1r1D) • ebIX® Recommendations for asynchronous acknowledgement and error handling (v1r0C) 		Medium	Every Q2
Other tasks: <ul style="list-style-type: none"> • 2nd generation Harmonized Role Model for Electricity and Gas • ebIX® Header 	HG	Medium High	2016 2016
Maintain ebIX® profile for MagicDraw, including: <ul style="list-style-type: none"> • Core Components • Code lists • Templates, etc. 		Continuous	
Participation/representation in the ENTSO-E and ebIX® technical WGs <ul style="list-style-type: none"> • Maintaining harmonised role model • Core Components • Information exchange between participation organisations 	Together with ENTSO-E	Continuous	
Participation in UN/CEFACT		Continuous	
Cooperation with IEC/TC57/WG16		Continuous	
Organise implementation support, such as: <ul style="list-style-type: none"> • ebIX® course • Implementation support for participating countries, such as inserting/updating codes. 		Continuous	
Supporting ebIX® projects, i.e.: <ul style="list-style-type: none"> • Develop and maintain the UMM <i>Business Choreography View</i> and <i>Business Information View</i> from the CuS and EMD working groups. • Develop and maintain XML schemas based on the <i>Business Information View</i> from the CuS and EMD working groups 		Continuous	

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

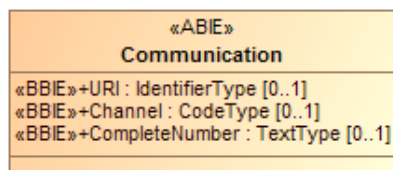
D.1 BIE changes, e.g. cardinalities:

- 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.