

Minutes ETC meeting, August 20th and 21st, 2013

Date: Tuesday and Wednesday, August 20th and 21st, 2013
Time: 09:00 – 18:00 and 09:00 – 16:00
Place: Arnhem, the Netherlands
Participants: Jan Owe, SE, Svenska Kraftnät, Jan.Owe@svk.se
Kees Sparreboom, NL, CapGemini, kees.sparreboom@capgemini.com
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Thibaut Helin, BE, Atrias, thibaut.hellin@atrias.be
Appendixes: **Appendix A**, Pending list
Appendix B, The tasks of ETC
Appendix C, Participants in ETC
Appendix D, ebIX Rules for addressing (routing)
Attachment: None

1 Approval of agenda

The agenda was approved with the following additions:

- Update of CuS OCL statements, see 15.1 under AOB
- Depreciation of codes (from CuS), see 15.2 under AOB
- Slovenian questions, see 15.3 under AOB
- Belgian questions, see 15.4 under AOB

2 Minutes from previous meetings

The minutes from previous meeting were approved.

3 Resolve matters arising from contact with IEC/TC57

There is an IEC phone meeting on August 22nd with the following draft agenda:

Participants: experts appointed by NC (NP), WG 16, ENTSO-E and ebIX

1. Welcome and introduction of experts
2. Status of the work and target dates
3. Review of comments on IEC 62325-451-5 NP and on the submitted CD
4. Review of comments on IEC 62325+-451-4 and on the submitted CD
5. Next step

The main purpose of this meeting is to finalise the content of the CDs that have to be submitted beginning of September.

Kees and Jan, and possibly Lucy will participate at this meeting. Some comments to the agenda:

- The 62325 451-4 (settlement and reconciliation) CD (Committee Draft) is expected available November 1st 2013, which means that there are not much time to make comments to it.
- Vlatka, Lucy and Kees had drafted some comments to the IEC secretariats comments. The ebIX[®] participants will present these comments at the telephone conference and possibly add that ebIX[®]

would like to see the ebIX® requirements added to the 62325 451-4 CD as text, not only referenced as a “normative reference”

- Jan proposed that ebIX® should inform the participants at the telephone conference that ebIX® will present the ebIX® reconciliation requirements to the 62325 451-4 CD during the WG16 face-to-face meeting in Arnhem beginning of September. However, there are not much time left for such a presentation during the meeting, according to the agenda.
- In addition Jan proposed to inform that he would like to present Nordic Settlement and reconciliation requirements
- The items above was further discussed during a telephone conference in the morning of day two:
 - It was agreed to focus on the reconciliation process, which is the main focus of ebIX®
 - ebIX® will propose to provide text for the CD, related to requirements for reconciliation

Some comments to the IEC/TC57/WG16 face-to-face meeting in Arnhem September 10th to 12th:

- Jan, Fedder and Kees will participate in the meeting.
- Jan will prepare and present Nordic business requirements for settlement and reconciliation
- Kees will try to present the EMD business requirements for reconciliation, including:
 - The ebIX® BRSs are open for national differences
 - The ebIX® BRSs are based on downstream requirements

4 Review of ebIX® technical documents

The following documents were sent on circulation for comments before the summer.

1. ebIX® Rules for the use of OCL statements, editor: Kees

Conclusion:

- The document was reviewed and updated
- However, the document needs further update after the planned updates of the TT tool, see item 15.4
- A new review will be put on the next ETC agenda

2. Appendix D in ebIX® common rules and recommendations, editor: Kees

Conclusion:

- The appendix was reviewed, updated and the appendix was added to “ebIX® common rules and recommendations”
- The document will be sent on circulation for comments to ETC for two weeks, according to the updated rules for maintenance of ebIX® documents, before publication at the ebIX® web-site

3. Introduction to ebIX® Models, editor: Kees

Conclusion:

- The document was reviewed and updated
- Kees will as homework do some editorial updates and publish it

4. Rules for status and consequences for ebIX® documents, editor: Jan

Conclusion:

- The document was reviewed and updated

- The document was renamed to “*Rules for maintenance of ebIX® documents*”
- The document will be sent on circulation for comments to ETC for two weeks, according to the updated rules for maintenance of ebIX® documents, before publication at the ebIX® web-site

5. ebIX® recommendations for acknowledgement and error handling, editor: Ove

Conclusion:

- Review of the document was postponed until next ETC meeting

Homework:

- Kees will update the *ebIX® Rules for the use of OCL statements* after updating the TT tool
- Ove will send the *ebIX® common rules and recommendations* and *Rules for maintenance of ebIX® documents* on circulation for comments to ETC for two weeks, according to the updated rules for maintenance of ebIX® documents, before publication at the ebIX® web-site
- Kees will do some editorial updates to the *Introduction to ebIX® Models* and publish it at the ebIX® web-site

5 tWG

Postponed

6 Business Document Header (BDH)

Postponed

7 ebIX®, EFET and ENTSO-E Harmonisation Group (HG)

Postponed

8 Status for review of Slovenian WS implementation

Since there were no Slovenian participants and no info received, the item was postponed

9 Benchmark test of different xml schema versions

Postponed

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

Kees informed that UN/CEFACT will continue supporting both CCTS 2.01 and 3.0.

Nothing new related to the project for Alignment of Master Data for Metering Point and of Measured Data.

The item will be kept on the agenda.

11 Questions from CuS

- Could we add a Snapshot-Date to the Information View for Notify Metering point Characteristics, which will allow for addition on a national level?

Answer:

- Yes
- Can we publish UTLMD and UTILTS IGs?

Answer:

- Will be put on the next ETC agenda
- Can we publish the ebIX® Code lists as a PDF document?

Answer:

- ETC will try making a PDF version using the “Generic table” function in MD.

Homework:

- Kees will add a Snapshot-Date to the ABIE Master Data MP Event
- Kees will make a small Word document with examples on how to present mapping of UTILMD and UTILTS information to EDIFACT IGs, i.e. as MagicDraw artefacts
- Kees will extract the code lists, BDTs, ABIEs, Qualifiers etc. from Magic Draw, using “Generic Table” and distribute to ETC before next meeting. At the next meeting it will be decided what to publish at the ebIX® web site.
- Ove will update the version number of the CuS Structure model to 2013.A

12 Update of ebIX® presentation

CuS propose to add a slide with members and observers.

Homework:

- Ove will make a proposal for next ETC meeting

13 Information from ENTSO-E/WG-EDI meetings (Fedder)

No information available

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

- Tuesday 1st and Wednesday 2nd of October 2013, 09:00 – 17:00 (18:00?) and 09:00 – 14:30, Atrias, Brussels:
 - Clustering of information models
 - E.g. can we make a “cluster” called *Structure Event*, which represent a super-set of similar documents, such as *Request Change of Supplier* and *Request End of Supply*?
 - How to show what processes a “cluster” can be used for? E.g. can the combination of *Document Type* and *Business Reason* be used to specify the detailed documents?
 - Making a TT tool development plan
 - Review and update of ebIX® versioning procedures, ref 15.4, *Belgian questions*
 - Status for update of TT tool
 - Review of ebIX® Rules for the use of OCL statements, in relation to updates of the TT tool

- Review of EMD BIMs
- ebIX[®] presentation
 - Review of a slide with members and observers
- Review of technical documents:
 - ebIX[®] recommendations for acknowledgement and error handling
 - ebIX[®] Rules for the use of OCL statements

15 AOB

15.1 Update of CuS OCL statements

Kees has tested an update of the TT. It works fine, but in the structure module the OCL statements regarding BBIE's for references have to be updated. The following text has to be added to the present statements: “_Reference”. In both the structure- and the bdt-constraint for the parent ABIE (like MP-Event). Kees has already updated the CuS part of the model, but it must be verified if the CuS model has been changed since this update. Ove and Kees will verify and make sure the CuS part of the model is in line with the BBIE's for references.

15.2 Depreciation of codes (from CuS)

CuS asks ETC to depreciate the codes in **read text** and marked with *):

Code list / Code		Definition	Status
Grid Agreement Type Description Code		A code specifying how the Grid agreement is set up	
E01	Contract directly between Grid operator and Customer	Net using contract directly between Grid operator and Customer.	Used in Germany
E02	Contract between Supplier and Grid operator	Net using contract between Supplier and Grid operator.	Used in Germany
E03*)	Contract between Grid operator and Customer through Supplier	Net using contract between Grid operator and Customer through Supplier.	Not used by anyone at the meeting.
E04*)	No net using contract	No net using contract.	Not used by anyone at the meeting
Payment Agreement Type Description Code		A code specifying who is invoiced by the Grid Access Provider for grid cost or grid services for the Metering Point	
E09	Paid by customer	Payment agreement contract, paid by customer.	Used in Germany
E10	Paid by supplier	Payment agreement contract, paid by supplier.	Used in Germany
Supply Agreement Type Description Code			
E05*)	Full supply	Supply contract for full supply.	Not used by anyone at the meeting
E06*)	Partial supply (Open contract)	Supply contract for partial supply (Open contract).	Not used by anyone at the meeting

E07*	Partial supply (Schedule)	Supply contract for partial supply (Schedule).	Not used by anyone at the meeting
E08*	Co-operation	Supply contract for co-operation.	Not used by anyone at the meeting

Conclusion:

- The codes will be deprecated after the next ETC meeting unless anybody objects

15.3 Slovenian questions

David has sent a set of questions related to Slovenian developments based on the ebIX® EMD documents, which has been answered by Kees. David expects that Slovenian models could be ready within second half of 2014. ETC agrees to spend some time on validation of these models when available.

15.4 Belgian questions

1. General questions about Transformation Tool:

- Does it exist an User Guide for the TT? On ebIX website we find a document that describes “how to install TT” but what we are looking for is to know how it works. Which OCL are taken into account (and how we have to code them). We noticed that there were some limitations on what the TT takes from the OCL (for example, the “implies”). We are now losing some time because we have to do a “try-error” coding as there is no explanation on what is taken by the TT.

We also noticed that the “choice” (X=1 implies Y=2) does not work in the TT.

Should it be possible to develop the “implies”-variants within the next TT release?

Should it be possible to receive the TT limitations? (for example, “size<2” does not work)

Answer:

The TT tool was, when the development started, not meant as a tool to be used on a national basis. ETC will have to discuss how to solve this, i.e. what kind of support there should be for national usage. However chapter 5 in the document “ebIX® Rules for the use of OCL statements” covers parts of the information asked for.

The “choice” worked with earlier versions of the TT tool, however not in the latest version. This is supposed to be fixed in a later version.

- Could it be possible to receive the planning of coming release with the developments foreseen? Developments are made based on which input? How to request a development?

Answer:

ETC will first have to find out what we want with the TT tool, i.e. if it is a tool for ETC usage or if we also shall develop it for national usage. The latter might bring ebIX® into a “software vendor”.

An item on “making a TT tool development plan” will be put on the next ETC agenda.

2. OCL -> XSD conversion

- UPCC2TextGenerator.mwe2: on 1st phase of TT (UML à TXT flat). If there is an error, it gives the type but not where the error occur. So it can take a long time before we find where is the error. Could the TT also gives more information about where the error is?

Answer:

Kees explained that better error information is difficult to implement. This will not be prioritised.

- b. Restrictive possible values for an attribute is only possible through a code list. It should be possible to do it “on the fly” (for example, limitation on a string). OCL permit to give such a limitation but TT only takes the first one and after gives an error.

Conclusion:

This functionality will be added to the next version of the TT tool.

Example of syntax:

OCL:

```
inv: self.Observation_Period.Resolution_Duration.content= 'PT60M' or
inv: self.Observation_Period.Resolution_Duration.content= 'PT15M'
```

XSD:

```
xsd: <simpleType name="DurationType_000151">
      <xsd:restriction base="xsd:duration"/>
        <xsd:enumeration value="PT60M"/>
        <xsd:enumeration value="PT15M"/>
      </xsd:restriction>
    </xsd:simpleType
```

- c. “implies” codification à xsd:choice. We should be able to specify values of choice’s multiplicity. Actually it is based on attributes (and is not always correct

VAR1	→	<choice>
VAR2	XSD	VAR1
		VAR2
		</choice>

But if:

VAR1 [1]	→	choice [0..1]
VAR2 [0..1]	TT	VAR1
		VAR2
		/choice

The multiplicity of the choice doesn’t take into account the multiplicity of chosen VAR.

Conclusion:

This functionality will be updated in the next version of the TT tool, with the following rule: *only when all elements in the choice are optional, the choice itself will be optional. In all other cases the choice itself is required.*

Belgium will as homework check if we need XOR and OR in addition to the choice.

- d. TT should take into account the “content facets” as “pattern” (minimal value, max value,...) Max length is ok within TT

<<CON>> Pattern NOK within TT within a “content” property (for example to define VAT code structure)

Conclusion:

We will add in the next version of the TT tool:

- maxLength
- length
- pattern

- e. It would be nice if TT would take documentation towards xsd:annotation /xsd: documentation. Integrate specific tags or documentation who would be taken within TT to add documentation within schemas.

Answer:

This will not be implemented, since the documentation should be in the UMM model.

- f. Bug within TT: if an OCL statement that begins with “self.” has been placed into a remark (beginning with “--”) it is still treated by TT and generates an error. Normally, as the line is placed as remark, it should not be taken into account by the TT.

- self(...) taken by the TT
- inv: self(...) not taken by the TT

Conclusion:

This functionality will be fixed in the next version of the TT tool

3. MagicDraw and Model version

- a. How does ebIX foreseen versioning of the model? (actually all elements are on version 0.0)
- b. How does ebIX foreseen versioning of ABIEs, BDTs, code list, etc? How to distribute these elements without republishing the entire model?
- c. How does ebIX foreseen versioning of XSD? How to know the version of a message (and to know if a newer version is available)? It is ok for code list but not for entire message.

Answer:

- Item a. to c. will be put on the next ETC agenda, i.e. Review and update of ebIX® versioning procedures
- d. How does ebIX foreseen national extension of the model? It is foreseen for code list but not for ABIEs, BDTs, ... Sometimes we have to made derived ABIEs. Where to put these? How to maintain these if a new version of ebIX ABIEs is published? (avoid recovered elements/inconsistencies)

Conclusion:

- Only version of ABIEs, Code Lists etc. in one UMM Model
- The current structure for codes is OK, with a separate package for national codes, with sub-packages for each country
- We will use the following structure for ABIEs outside of ebIX®:
 - ABIE
 - ebIX

- GS1
- National
 - BE
 - DK
 - ...

Transformation Tool development/adaptation/correction:

- Choice (X=1 implies Y=2) worked before. Will be fixed or the next bullet will be implemented
- Choice cardinality on choice itself (“xor” OCL taken into account by TT)
- Restrictive possible values ”on the fly” (example given by Belgium)
- TT will take into account the “content facets” as “pattern” (<<CON>> length, maxlength, pattern)
- Bug within TT:
 - self(...) *taken by the TT (shouldn't)*
 - inv: self(...) *not taken by the TT (ok)*

It does not seem possible to implement all of these items for next release (focused on update to new eclipse version). The changes will probably be in the following one. Still no release date available but should not be in a long time.

These adaptations are important for Belgium, to be able to publish strong and correct MIG XSD schemas. The first Belgian XSD schemas publication is foreseen on September 30th 2013.

Homework:

- Kees will provide, as soon as possible, a release date for the next version of the TT with the adaptations above
- Belgium will as homework check if they need XOR and OR in addition to the choice
- Belgium will make a proposal for a convention for how to structure the ebIX[®] UMM model

Appendix A PENDING LIST

1 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, see Appendix D.

2 Creation of an ebIX[®] technical presentation

3 ebIX[®] Business Information Models

4 How to describe XML schemas

Swissgrid has looked into alternative ways of describing XML schemas, as an alternative to the current OCL statements:

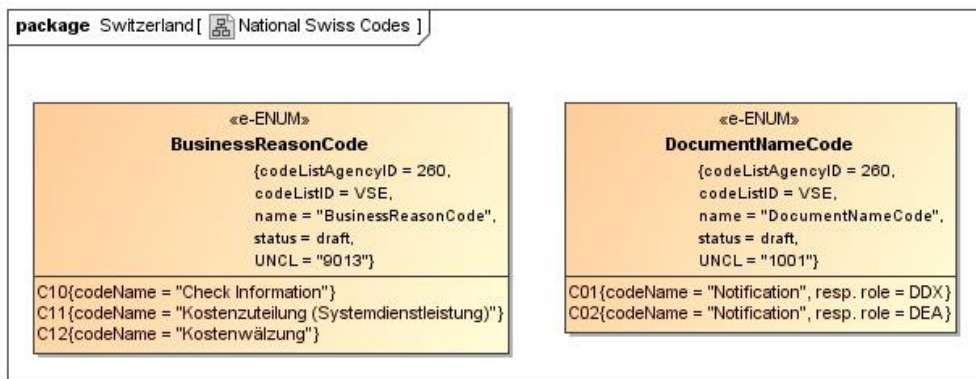
1. Using the generator as shown last or pre-past meeting. The example is attached.
2. Create very nice documents with this product:

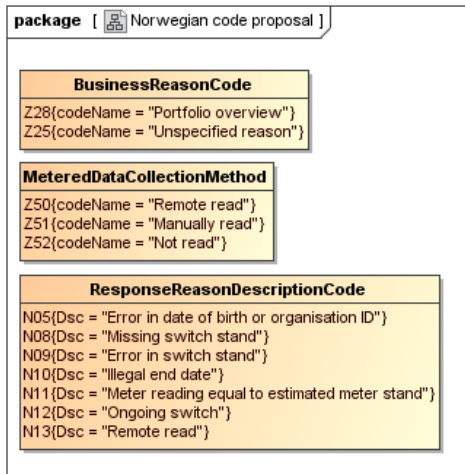
http://www.filigris.com/products/docflex_xml/xsddoc/#intro

Probably, we should first exactly define the audience for this document. For developers and architects, a very basic documentation like xml-spy test.doc will be fine, for more sales- and marketing oriented users, the reports have to be nice and probably a little bit fancy... like the examples from the docflex.

5 Review of National code lists

The following code lists comes from a review in the CuS WG and are candidates for updates of the ebIX[®] models:





6 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.

7 Review of ETC tasks in Appendix B

8 Status for test of a web-conference solution

Set up a test, one-to-one, with relevant ETC web-conference participants, to get all up and running before next web-conference.

9 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) Do we need a test indicator?
 c) The content of the Energy Document and Energy Context ABIEs needs a review

Appendix B 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	2013
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"> • Restructuring of UTIL-messages to reflect the structure of CCs (if we keep on mapping to EDIFACT) • 2nd generation Harmonized Role Model for Electricity and Gas • ebIX[®] Header 	CuS, EMD and ETC Together with ENTSO-E?	Low	?
		Medium	2013
		High	2013
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 C PARTICIPANTS IN ETC

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Appendix D EBIX RULES FOR ADDRESSING (ROUTING)

D.1 Definitions

Juridical party: In this chapter the term juridical party will be used for the party juridical responsible for sending or receiving information.

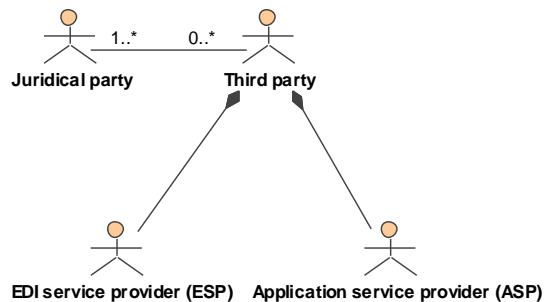
Business process id: The key element in routing and addressing is the Business process that will be identified by a code called the Business Process Identification (BPI). BPI also serves as the key element to indicate the business process capabilities of a party. The user group, government agency, or national ebIX group making a Business information model assigns this code.

Party id: The identification of a party, i.e. the party's EAN location number or the party's EIC (ETSO 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 to/from EDIFACT/XML 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, such as APERAK.

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, such as EDIFACT CONTRL.



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.

D.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. A juridical party can only have one party id for each BPI.

3. Routing of documents, including acknowledgements, shall use the same principles even if third parties are used.
4. In case of additional routing information a BPI shall be used for routing of documents to the right business process through its identification.
5. The main use of the addresses in the envelope (for EDIFACT in UNB) is routing purposes. The routing information includes information related to the BPI.
6. A recipient id combined with the related BPI in the envelope (for EDIFACT in UNB) can only be linked to one communication address, but a communication address may be linked to several combinations of party ids and/or BPIs.
7. 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 (for EDIFACT in the NAD segment).
8. Either EAN or EIC (ETSO Identification Code) identification scheme shall be used as party id.
9. The BPI concerned shall be stated in the envelope.
10. 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.
11. 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.

