

Minutes ETC meeting, December 17th and 18th, 2013

Date: Tuesday and Wednesday, December 17th and 18th, 2013
Time: 10:00 – 18:00 and 09:00 – 15:00
Place: Edisys offices in Oslo
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Appendixes: **Appendix A**, Pending list
Appendix B, The tasks of ETC
Appendix C, Participants in ETC
Appendix D, ebIX[®] Rules for addressing (routing)
Appendix E, Proposed additional agenda items for ebIX[®] ETC December 17th and 18th
Attachment: None



0702_emobility_market_model_final-201

See Appendix E, item 1



Use of UNSM
20131217 vs01.docx

See item 3, ebIX[®] Business Information Model 2013.A



Options for
additional meter rea

See item 14.3, Proposed additional agenda items for ebIX[®] ETC under AOB

1 Approval of agenda

The agenda was approved with the following additions:

- Business categories, see 14.1 under AOB
- ebIX[®], EFET and ENTSO-E Harmonised Role Model, see 14.2 under AOB
- Proposed additional agenda items for ebIX[®] ETC, see 14.3 under AOB
- Proposed additional agenda items for ebIX[®] ETC December 17th and 18th, see Appendix E

2 Minutes from previous meetings

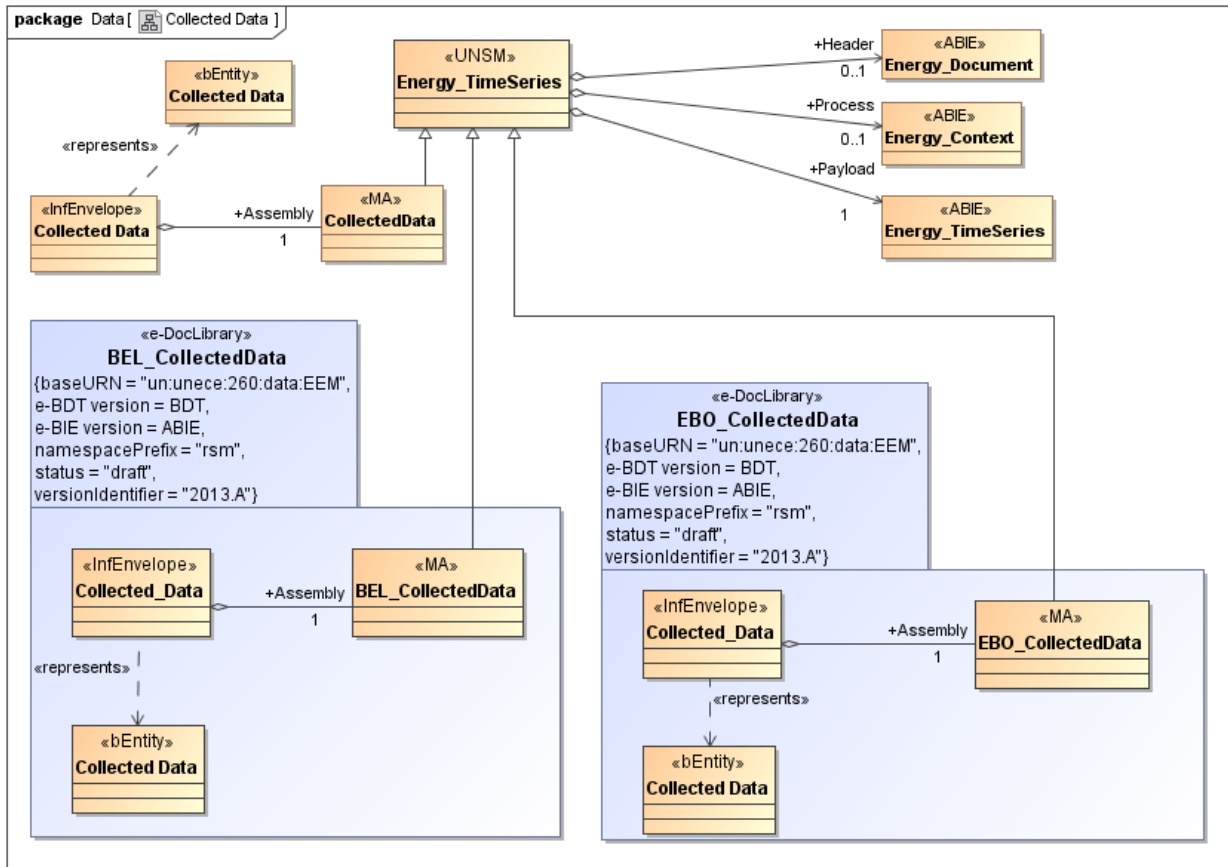
The minutes from previous meeting were approved

3 ebIX[®] Business Information Model 2013.A

The main topic of the meeting is a review, improvement and approval of the BIMs 2013.A, i.e. item 3 on the Pending list (Appendix A) and the related TT, see next item.

From Thibaut:

We received the last version of TT on 10/12/2013 and we did not had the time to test it until now. The last beta version we tested did not took into account some of the requirements (like patterns) and we staid blocked without knowing what was enhanced. So we will give a complete feedback by the next ETC meeting in 2014.



It was discussed if we should use the “UNSM” like structure above, see also attached document from Kees:

- Will contain both national and ebIX[®] subsets of the documents, i.e. Dutch (EBO) and Belgian (BEL), and ebIX[®] in the example (class diagram) above.
- Ove brought up the question: How to prefix Nordic documents?, i.e. Can the Nordic countries use the Nordic Code list responsible agency code 330?
- During this item it was noted that 330 has been changed to “EXIS (Exis Technologies Ltd.)”. The Nordic countries will make a complaint to UN/CEFACT

Kees had distributed a set of BIMs from EMD. However it was agreed to change the structure of the Time Series ABIE (see below), hence the BIMs need to be updated.

The CuS BIMs has been awaiting the new TT; hence, no new BIMs made so far.

Conclusion:

- Namespace use for national models will be put on the next ETC meeting agenda

Homework:

- Ove (Edisys) will make CuS BIMs for available BRSs, including:
 - Update of version number of the CuS Structure model to 2013.A
 - Update the CuS <<MA>>s, i.e. in all stereotypes, in all constraints, in all <<MA>>s, the Responsible Agency must be set to 260 (ebIX®)
- Kees will redo EMD BIMs based on the agreed new structure of the Time Series ABIE
- Kees will make a proposal for usage of namespace, including how to prefix Nordic documents
- Kees will ask Christian Huemer, how to stereotype the “UNSM” like structure

4 Status and test results of updated version of the TT (Transformation Tool)

Ove installed the latest version of the TT during the meeting, using the manual to verify that the content of the manual is readable.

The installation was successful and it showed that the new version TT is a huge improvement. **THANKS to Kees and Peter!**

Kees asked if we should store the source somewhere where ebIX® members can access it?

Homework:

- Kees will ask Peter to investigate possible open source web sites to store the TT source before next meeting, and if possible also store it on a suitable web site

5 www.ebIX.org

Thibaut has received a mail from “China domain name registration center”, informing that Huaxiong Ltd wants to reserve ebix.cn, ebIX.com.cn, ebix.net.cn, ebix.org.cn etc. domain names etc. Ove tried, during the meeting, to send the following mail to the “China domain name registration center”:

“ebIX® is an organisation working with standardisation of data exchange in the European energy industry, see www.ebIX.org. We are a registered trade mark in Europe. The company Huaxiong Ltd is not our distributor or business partner in China.”

However, the recipient rejected the mail.

6 IEC NWIP-document

Jan is preparing a New Work Item Proposal within IEC TC57 WG16 regarding Measure collected data. Draft versions of the documents were distributed before the ETC meeting:

- Kees informed that during the IEC meeting in Arnhem it was noted that ebIX® should provide business requirements and that IEC will come up with the CIM version, which the requirements will be mapped to.
- The first step in the project should be a trial mapping of the relevant ebIX® BIEs to CIM elements, within WG16.
- Jan noted that it is normal to include the draft Standard or Technical Specification that is the result of a New Work Item Proposal (NP) in the New Work Item Proposal (NP).
- The next IEC meeting will take place in California in January 2014. Unless any of the ebIX® members are able to participate, we will await the submission of the NP until the meeting thereafter.

Action:

- After a few more updates of the documents, Jan will distribute the documents to ETC before sending them to IEC.

7 ebIX® technical documents

The review of “ebIX® recommendations for acknowledgement and error handling”, was postponed.

Ove had updated the ebIX® Rules for use of UMM2 (see comments in the document). The updates was reviewed and agreed. Ove will update the footer (similar to other documents) and add a change log. Thereafter the document will be published.

Homework:

- Kees will make a note in the document ebIX® Rules for the use of OCL statements, i.e. that the use of OCL for on-the-fly enumeration lists is strictly restricted to be used for date/time formats (but await publication until the TT is ready), including:
 - Addition of relevant parts of the “Spec-document”
 - *From Thibaut:*

Beware! “on-the-fly” enumerations lists were decided to be restricted for date/time formats... Patterns are something else and these can be applied to different purpose (VAT, Date/Time, ...). What is also needed is to know how patterns have to be specified. Directly in the tags foreseen in MagicDraw at BBIE level or through an OCL codification. It is important that ebIX® informs us on the procedure to be able to test it for next ETC meeting. Belgium will add patterns if needed.
- Kees will as continued homework do some editorial updates of the Introduction to ebIX® Models and publish it
- Ove will update the footer (similar to other documents) and add a change log, and thereafter publish the document.

8 tWG

Jan reported that tWG would give the publication of a new version of the Harmonized role model a high priority. Further on, tWG proposes to draft a document containing a procedure for publication of common documents as well as detailing the governance of the common project groups.

9 Benchmark test of different xml schema versions

The item was postponed

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

Kees reported that the MoU group where among others IEC, ISO, ITU, UN/CEFACT etc. are participating, has come to the conclusion that it is wrong for IEC to work with CCs. However, IEC was only formally represented at the meeting.

11 Items related to the CuS project

Kees has tried to extract the code lists, BDTs, ABIEs, Qualifiers etc. from Magic Draw, using “Generic Table”, but it is impossible to make such a table readable using the MagicDraw Generic Table.

Continued homework:

- 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

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

No news reported

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

Tuesday February 18th and Wednesday February 19th, 2014, in Stockholm

14 AOB

14.1 Business categories

At the latest CuS meeting, beginning of December a general remark was that ebIX[®] should use UMM2 Base instead of UMM2 Foundation. UMM2 Base indeed covers the fundamental UMM principles. However, the UMM2 Foundation offers the sub-view BusinessDomainView in order to classify business processes into business categories. UN/CEFACT recommends using this classification, but it is not mandatory.

Discussion:

- We use the Business Domain View, according to UMM
- We don't use the “standard Business Categories”

Conclusion:

- Gerrit was asked to investigate what improvements the addition of Business categories will give
- ETC will be asked to see if Business Categories should be added

The item was postponed until Belgium participate

14.2 ebIX[®], EFET and ENTSO-E Harmonised Role Model

Jan had noted that he would like ETC to compare chapters 10-12 in the (preliminary) role model with what we have in the ebIX[®] version of the role model and with the “main Role Model”, before the next Harmonised Group meeting (next year, end of January/beginning of February?). There are some minor differences.

Homework:

- Kees will verify chapter 11 and 12 (EMD responsibility)
- Ove will verify chapter 10 (CuS responsibility)

14.3 Proposed additional agenda items for ebIX® ETC

See discussions in Appendix E

Homework:

- Kees will ask M490 to come up with requirements for charging poles for vehicles
- Kees will ask M490 to come up with requirements for smart part of the smart meter
- Kees will make a proposal for a presentation regarding the smart part of the smart meter to be discussed at next ETC
- Kees will make a proposal for a presentation related to ID schemes for meters and other installations, to be discussed at next ETC
- Kees will contact Christian Huemer for a verification of the usage of the UNSM-like Message Assembly
- Kees will make a proposal for next ETC for Namespaces to be used (in combination with import or include)
- Everyone should investigate national requirements for charging poles for vehicles

Conclusion:

- Metering part of a smart Meter can be treated like a normal meter as defined in the Harmonised Role Model
- The structure in “Option 1” was agreed as the best solution for adding meter stands to a Time Series ABIE
- It was decided to split the “*Energy Time Series*” ABIE into a “*Collected Energy Time Series*” and a “*Validated Energy Time Series*”
- We will add mapping tables to all BIMs
- We start using the generic table in the BIMs
- We will use the UNSM-like Message Assembly in all BIMs
- We will use the Code List Identification Code as prefix to qualify national <<MA>>
- Code lists as generic tables is awaiting a solution from MD
- Governance of the Harmonised Role Model will be put on the next HG meeting agenda

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:

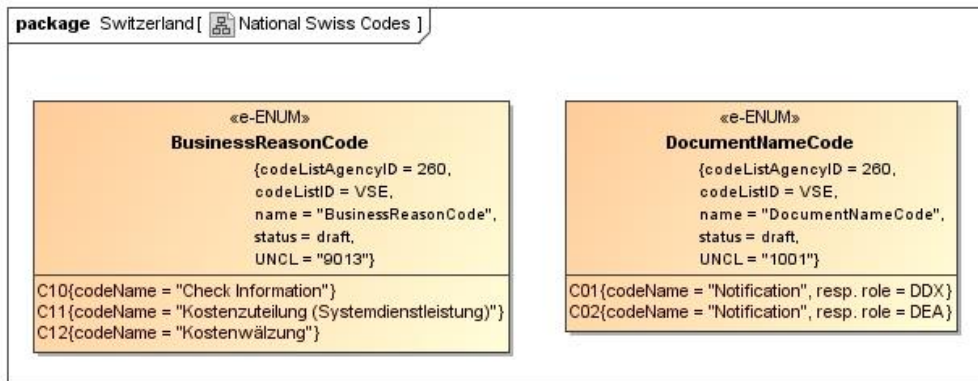
1. Using the generator as shown last or pre-past meeting. The example is attached.
2. Create very nice documents with this product:

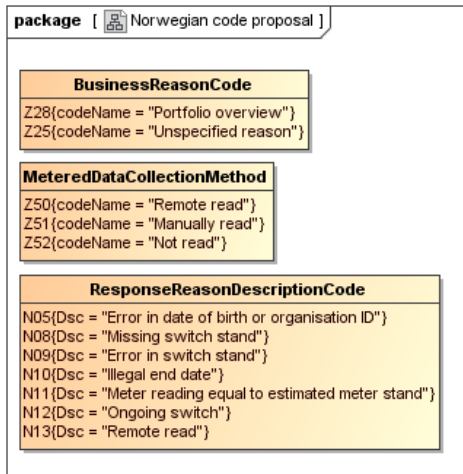
http://www.filigris.com/products/docflex_xml/xsddoc/#intro

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.

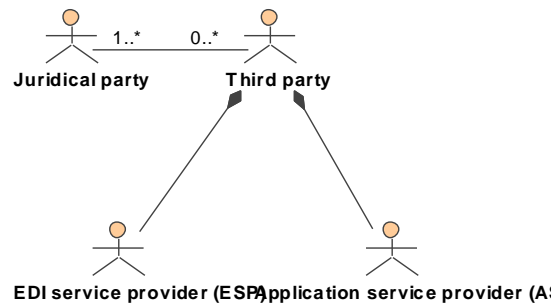
Business process id: The key element in routing and addressing is the Business process that will be identified by a code called the Business Process Identification (BPI). BPI also serves as the key element to indicate the business process capabilities of a party. The user group, government agency, or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



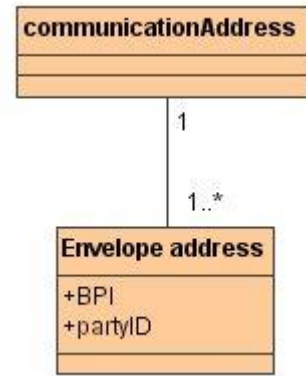
Relationship between roles in document exchange

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.



Appendix E PROPOSED ADDITIONAL AGENDA ITEMS FOR ebIX® ETC DECEMBER 17TH AND 18TH

<p>1. Elements for smart grid in the role model:</p> <ul style="list-style-type: none"> • Charging pole, Remarks: <ul style="list-style-type: none"> ○ do we need additional elements in the role model to support charging poles (or are existing elements – maybe in some new clustering – enough) ○ can we design this in analogy to the moving train and its several suppliers along the line? Or should this be different? 	<p>Discussion:</p> <ul style="list-style-type: none"> • The requirement will differ between different solutions, e.g.: <ul style="list-style-type: none"> ○ Pre-paid cards from one BS ○ Credit card and one or many BS connected to the Pole ○ ... • A solution must support one BS or several BSs in the Pole • Is a Pole a MP? <p>See also attached document from Eurelectric</p> <p>Homework:</p> <ul style="list-style-type: none"> • Kees will ask M490 to come up with requirements for charging poles for vehicles • Everyone should investigate national requirements for charging poles for vehicles
<ul style="list-style-type: none"> • Metering part of the smart meter (see also presentation on German new metering rules) 	<p>Conclusion:</p> <ul style="list-style-type: none"> • Can be treated like a normal meter as defined in the Harmonised Role Model
<ul style="list-style-type: none"> • Smart part of the smart meter 	<p>Discussion:</p> <ul style="list-style-type: none"> • Kees thinks the “Smart part of the smart meter” should be added to the Role Model • Reserve power is an example of interest for the Role Model <p>Homework:</p> <ul style="list-style-type: none"> • Kees will ask M490 to come up with requirements for smart part of the smart meter • Kees will make a proposal for a presentation to be discussed at next ETC
<p>2. ID schemes for meters and other installations</p> <ul style="list-style-type: none"> • What do we recommend and why • What are the advantages over other solutions • What are the experiences of users • What do we think to be essential for implementation • How can we bring this under the attention of Brussels or other rule makers? 	<p>ETC will make a proposal to present for ebIX® Forum</p> <p>Meter readings in UK: http://en.wikipedia.org/wiki/Meter_serial_number</p> <p>Homework:</p> <ul style="list-style-type: none"> • Kees will make a proposal for a presentation related to ID schemes for meters and other installations, to be discussed at next ETC
<p>3. Update ABIE Energy_TimeSeries</p>	

<ul style="list-style-type: none"> Choose option; option 1 is recommended by ebIX® EMD 	<p>See attached document “Options for additional meter read accompanying validated data 02.docx”</p>
<ul style="list-style-type: none"> Specify and add meter read as ASBIE / ABIE and as ASCC / ACC 	<p>Discussion:</p> <ul style="list-style-type: none"> There are different requirements for “collected data” and “validated data”: <ul style="list-style-type: none"> In collected data there is no start and end meter stand In validated data there are normally a start and an end meter stand In collected data, there are no volumes, just a string. The string will be converted to a volume in the validated data, using the master data for the meter/register There are no Unit of Measure in collected data It was further discussed if the “Energy Time Series” ABIE should be split into a “Collected Energy Time Series” and a “Validated Energy Time Series”. <p>Conclusion:</p> <ul style="list-style-type: none"> The structure in “Option 1” was agreed as the best solution It was decided to split the “Energy Time Series” ABIE into a “Collected Energy Time Series” and a “Validated Energy Time Series”
<p>4. New items / new lay-out BRS- and BIM-documents</p>	
<ul style="list-style-type: none"> Mapping BRS to BIM as dependency table 	<p>Discussion:</p> <ul style="list-style-type: none"> The mapping table in the BIM for Billing was reviewed: <ul style="list-style-type: none"> Ove thinks it is a bit complicated to be much used Kees noted that the intended reader of the table is mainly developers, but also business people will have the need for a mapping table Jan was missing explanations of the content of the table Jan also noted that parts of the text in the BRS elements column was unreadable, i.e. the associations <p>Conclusion:</p> <ul style="list-style-type: none"> We will add mapping tables to all BIMs
<ul style="list-style-type: none"> Constraints in generic table 	<p>Discussion:</p> <ul style="list-style-type: none"> Ove thinks the generic table is much better than the previous solution, where the OCL statements were copied into the BIM

	<ul style="list-style-type: none"> It should be investigated if the generic table could be imported as a Word table instead of just a picture <p>Conclusion:</p> <ul style="list-style-type: none"> We start using the generic table in the BIMs
5. UNSM-like Message Assembly as parent to actual modelled Message Assembly in InformationView / DOCLibrary	<p>See item 3 earlier in the minutes.</p> <p>Conclusion:</p> <ul style="list-style-type: none"> We will use the UNSM-like Message Assembly in all BIMs <p>Homework:</p> <ul style="list-style-type: none"> Kees will contact Christian Huemer for a verification of the usage of the UNSM-like Message Assembly
6. XML schema's for nationally customized <<MA>>'s	
<ul style="list-style-type: none"> Naming rule for <<MA>> and DocLibrary 	<p>Conclusion:</p> <ul style="list-style-type: none"> We will use the Code List Identification Code as prefix to qualify national <<MA>>
<ul style="list-style-type: none"> Namespaces to be used (in combination with import or include) 	<p>Conclusion:</p> <ul style="list-style-type: none"> Kees will make a proposal for next ETC
7. Transformation Tool	See item 4 earlier in the minutes
<ul style="list-style-type: none"> New version 	
<ul style="list-style-type: none"> Specification of requirements 	
<ul style="list-style-type: none"> Source and version control 	
8. New/updated documents	
<ul style="list-style-type: none"> Code lists as generic tables 	<p>Conclusion:</p> <ul style="list-style-type: none"> Awaiting a solution from MD
<ul style="list-style-type: none"> Introduction to ebIX[®] models 	See item 7 earlier in the minutes
<ul style="list-style-type: none"> ebIX[®] rules for use of UMM 	
<ul style="list-style-type: none"> ebIX[®] rules for constraints using OCL statements 	
9. developments smart grid M490 methodology work groups	<p>Kees reported:</p> <ul style="list-style-type: none"> M490 has decided to use the Role Model Also the US participants sees the Harmonised Role Model (HRM) as an interesting methodology M490 noted that the HRM is for administrative roles and domains and NOT for technical objects
10. developments standard organizations (especially UN/CEFACT and IEC)	See item 10 earlier in the minutes
11. governance harmonized role model	<p>Conclusion:</p> <ul style="list-style-type: none"> Will be put on the next HG meeting agenda
12. governance European developments including >1 standard organization one of which deals with market processes / exchange of market information	<p>Kees stressed that new projects, such as “Smart Grid” projects must use standards from several of the standardisation organisations (UN/CEFACT, IEC, ISO....) and that these standards not must be overlapping.</p>

