


Minutes, CuS Meeting, November 18 th and 19 th , 2014	 European forum for energy Business Information eXchange
December 1 st , 2014	CuS, Structuring of the energy market, phase V

Minutes – CuS project meeting, November 18th and 19th, 2014

Date: Tuesday and Wednesday, November 18th and 19th, 2014
Time: 09:00 – 17:00 and 9:00 – 16:00
Place: Maribor, Slovenia
Participants: Boštjan Topolovec, Represent Section IPET, SI
Gerrit Fokkema (Convenor), EDSN, NL
Grazyna Hańderek, Tauron Dystrybucja, PL
Joachim (Joe) Schlegel, RWE, DE
Kees Sparreboom, TenneT, NL
Ove Nesvik (Secretary), EdiSys, NO



Enclosure: Model changes for gas in UML model 2^l, see item 10, Change proposal from ebIX[®] project for alignment with the gas sector (if available)



origin electricity CEN EN 16325_2013, see item 7.1, Production and fuel types

Appendices: [Appendix A CuS Work plan](#)
[Appendix B Member list](#)

1 Approval of agenda

The agenda was approved with the following additions:

- HG questions, see item 14.1 under AOB.

2 Minutes from previous meeting

The Minutes from previous meeting were approved.

3 Resolve matters arising after ebIX[®] Forum meeting, October 22nd

Regarding our question for support partners for new areas:

During Gerrit's presentation of the CuS status and work plan in the Forum, he raised the question if ebIX[®] should require a "support partner" before modelling new processes, such as Eurelectric or a regulator organisation (e.g. CEER)? However, since it is difficult to find interest for participation in ebIX[®] projects within these organisations, it was agreed that we cannot require a "support partner".

Regarding the gas alignment of BRS's:

Vlatka proposed to postpone the "Measure for imbalance settlement" for gas, mainly because this process will give very time-consuming discussions and that the process differs considerably between the countries. The same statement and postponing was applied to the "gas quality time series".

Further on the following items were moved to the CuS group:

- Master data MP
- Master data meter

The ebIX® gas group will not make their own BRSs; only propose changes to CuS and EMD.

The proposals from the ebIX® gas group was added to the CuS work plan in Appendix A. For new BRS's (and those under construction CuS will have to incorporate gas in full.

4 New (enhanced) processes for labelling

The process was proposed by the Netherlands and is intended to indicate the source of the energy, such as renewables.

Gerrit informed that there currently not is any formal reason for these new processes, hence the item was removed from the coming agendas and instead added to the CuS work plan in Appendix A.

5 Cancellations

Grazyna presented a rewritten ebIX® Cancellation document, based on the Harmonised Nordic Retail market BRS (chapter 9) and the Belgian model.

From related discussion:

- The discussion regarding cancellation of business document or cancellation of a complete business process was reopened from previous meeting.
 - What we actually do is cancelling the “triggering document in a process”, hence by cancelling a business document we implicitly cancel the business process.
- Kees stressed that what we need is some simple principles for cancellations and not detailed descriptions of the actual cancellation processes.
- If using webservice, we do not have the header and context information, hence using a Reason for Transaction code (**E05**=Cancellation) will not work anymore. I.e. we should add “Cancellation” as a prefix to the original business document name (or webservice operation).
- Finally it was agreed that the current cancellation document is based on old principles and mainly not valid anymore. I.e. we should specify some simple principles and define the actual cancellation process at a national level.
- Some proposals for principles:
 - We cancel business documents, but the effect is that the business processes is cancelled.
 - A business process is cancelled by sending a “trigger document” (which may be rejected by the recipient).
 - The “trigger document” should have “Cancellation” as a prefix to the document name.
 - A “point of no return” should be specified for each cancellation process, stating the latest time for when a cancellation can occur.
 - Notification documents are updated and not cancelled.

Homework:

- Kees will make a simple example for change of supplier to be discussed at the next CuS meeting.

6 Distribute and request change of master data Meter

The BRS was reviewed and updated, among others the following was agreed:

- The BRS will be aligned with the BRS for alignment of MP characteristics.

- There will only be one Meter characteristics class diagram, common for gas and electricity and not split into simple and complex.
- The class diagram should be hierarchical.

Homework:

- Ove will make all classes associated with the “...Async additions”, in all BRSs, the same colour (green), e.g. Metering Point in Confirm change of BRP.
- Ove will update the BRS for meter characteristics according to the notes in the BRS and the comments above.
- All will review the BRS for Meter characteristics after update, before next meeting, including come up with proposals for codes and or code lists to use for new code lists.

Continued action from previous meetings:

- ETC will be asked to find a common way of specifying conditions in State diagrams (use of Signals - similar to usage of Guards in activity diagrams).

7 New Metering Point Characteristics elements (postponed from previous meeting)

Boštjan had as homework to try finding suitable codes for Disconnection Method, however no suitable codes were found.

Gerrit had as homework found a proposal for a definition for the new BBIE *Metering Point, Sustainable Energy*, to be put into the existing ABIE MP characteristics:

An indication that the production, or part of the production, at this Metering point is acknowledged as being sustainable.

The following elements will add to the BRS for alignment MP characteristics (see also minutes from CuS meeting May 2014):

- Metering Point, Physical Characteristics, Disconnection Method:
 - New ABIE: Physical Characteristics
 - Codes:
 - Remote
 - Manual
 - Manual outside
 - Manual inside
 - Definition:
 - The Disconnection Method is an indication of how the Metering Point is physically connected or disconnected.
- Metering Point, Physical Characteristics, (Physical Capacity) – *Renamed to: Capacity of the Metering point*
 - New ABIE: Physical Characteristics
 - Need Measure Units A, MW, kW, m³/h
 - 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 by the nominal voltage level, number of phases and current limitations.

For gas the maximum capacity for the Metering Point is given by the physical constraints of the (nozzles in the) Meter.

- Metering Point, MP Characteristics, Sustainable Energy
 - Existing ABIE: MP Characteristics
 - Codes (ref CEN/CENELEC EN 16325:2013 rev)
 - **T01** Solar
 - **T02** Wind
 - Definition:
 - An indication that the production, or part of the production, at this Metering point is acknowledged as being sustainable.

Homework:

- Ove will add the following elements to the BRS for alignment of MP characteristics:
 - Metering Point, Physical Characteristics, Disconnection Method
 - Metering Point, Physical Characteristics, Capacity of a Metering point
 - Metering Point, MP Characteristics, Sustainable Energy
- Everyone should try finding requirements for needed production types (or sustainable energy, or labling.....).

7.1 Production and fuel types

Kees and Ove informed from the ETC meeting in November 2014:

During the latest ebIX®/EMD meeting we stumbled over the choice of codes for origin / production type / fuel type for production of electricity. The issue has also been on the agenda of ebIX®/ETC in meetings since. Finding out what should be the basis for codes to use, proved to be not so easy. Finally with some help from AIB's secretary general (Phil Moody) the suggestion is to use the CEN standard "EN 16325:2013".

Conclusion:

- We will use the Technology codes from annex B in the CEN standard "EN 16325:2013" when type of production is needed.

The CEN document is attached.

The following request from Thibaut (November 13th 2014) was postponed until Belgium is present:

We receive the remark that the provided list (EECS) is only for electricity production types. We also should have a gas production type code list. Can ebIX take that into account (try to find a list of the different gas production types)? I think this information is also relevant for Germany (maybe also for other countries).

8 Review of Alignment of MP characteristics documents

Ove had as homework from previous meeting: to update the BRSs and send it to CuS for reconfirmation of the conclusions, after discussion in ETC. The following homework had been done:

- The "Header and Context information" should be placed close to "...Additions" and "...Async Additions" classes.

- There should be a Dependency between the “Root class” and the “Header and Context information”.
- The merged Request and Notify MP characteristics document will be called “Alignment of MP characteristics”.
- Addition of definitions of “Header and Context information” related to all class diagrams

And the following homework were postponed, since ETC has not discussed the topic yet:

- ETC will be asked to:
 - Discuss the content and usage of “Header and Context information” in the BRSs
 - Can we model only for XML, i.e. skip the Document Name Code?
 - The use of the Business Document Name Code “**ERR**”, if still relevant.

The BRS for alignment of MP characteristics was reviewed and questions from Ove in the distributed BRS were answered.

Homework:

- Ove will update the BRS for alignment of MP characteristics according to comments made in the BRS during the meeting and distribute to CuS in due time before next meeting.

9 Different resolutions for different purposes in a MP (postponed from previous meeting)

The item was postponed until Belgium is present.

10 Change proposal from ebIX® project for alignment with the gas sector (if available)

Kees had on behalf of the ebIX® project for alignment with the gas sector distributed a document containing the gas requirements for existing ebIX® models/documents/schema’s. The document contains the representations of the diagrams with the indications/specifications of changes. In order to make it as easy as possible to include these updates in the models and the documents, Kees worked with a separate MD-file, that uses at the moment the CuS- and EMD-modules (and of course the rest of the supporting modules) with the idea that we can import this gas-module into the CuS- and respective the EMD-module and then move the changes/updates to the proper place in these module ending up with an empty gas-module.

The request from the gas group to both CuS and EMD is to maintain 1st of February as the deadline to have the updated models/documents available. First for a brief review by the gas group and then for publication. This in order to have approved versions available for Belgium and Slovenia in time and for the next Forum meeting.

During the meeting Kees handed over the MD module to Ove.

Changes agreed:

- Notify MP Characteristics:
 - A footnote was added related to the usage of Altitude in Geographical Coordinate.
 - The class Aggregated Reception Station (ARS) was added (for the time being) as the gas alternative to a Metering Grid Area (MGA)
 - XOR between the associations
 - Notes on the associations for gas and electricity
 - Addition of a new element Disconnectable (renamed to Disconnection Contract) in the MP Characteristics class indicating if there is a contract at the MP for disconnecting for demand side or load management
 - Boolean
 - Optional

- Used for both gas and electricity
- A DMR will be sent to UN/CEFACT for addition of measure units for Contracted Connection Capacity Measure Unit and for Measure Unit (for the time being not added to the CuS BRS):
 - Sm³/hour (Standard cubic meter per hour)
 - Nm³/hour (Normalised cubic meter per hour)
 - Sm³/day (Standard cubic meter per day)
 - Nm³/ day (Normalised cubic meter per day)
 - Sm³ (Standard cubic meter)
 - Nm³ (Normalised cubic meter)
- Remove Settlement Method Code **E15** (Non-profiled netted)

Homework:

- Ove will make the TCR required in the Confirm change of TCR document in the Change of TCR BRS and publish the corrected BRS without sending it on circulation for comment.
- Kees will send in a DMR to UN/CEFACT for addition of new measure units codes in connection to Contracted Connection Capacity Measure Unit:
 - Sm³/hour (Standard cubic meter per hour)
 - Nm³/hour (Normalised cubic meter per hour)
 - Sm³/day (Standard cubic meter per day)
 - Nm³/ day (Normalised cubic meter per day)
- Kees will discuss with the ebIX[®] gas group if ARS can be replaced with the MGA.

11 Update of the ebIX[®] web-site

The CuS items on the ebIX[®] web site were reviewed and found to be up-to-date.

12 Items for next meeting

The items in the CuS Work plan in Appendix A were reviewed and homework was given.

Homework:

- Related to “**Item B**) How to handle the different attributes related to the Consumer, such as consumer contact information (e.g. address and invoice address)”.
 - All is asked to find requirements for customer information elements to exchange in a supplier centric model
- Related to “**Item C**) Request change of attributes connected to a MP, such as: Closing and Reopening MPs, Change of Metering Method and Change of time frames”
 - Ove will make table that can be filled in by the CuS members containing the following columns:
 - Complete list of attributes in the BRS for alignment of MP characteristics
 - Which role(s) can request change to an element (to be filled in by CuS members)
 - Is it a simple Request change... with a responding confirmation/rejection process? Or, is there more complex processes behind? (to be filled in by CuS members)
 - All is asked to fill in the table
- Related to “**Item D**) Combined grid and supply billing (invoicing), including MD for products, such as; grid fees, grid subscriptions, ...
 - Boštjan, Christian, Grazyna and Joachim are asked to make presentations of the Slovenian, Danish, Polish and German combined billing systems at the next meeting

13 Meeting schedule

Tuesday 3rd and Wednesday 4th of February in Poland

Tuesday 8th and Wednesday 9th of April in Sweden

14 AOB

14.1 HG questions and positions

14.1.1 ENTSO-E/WG-EDI positions

From Mike Conroy:

I'd just like to close the ENTSO-E/WG-EDI action number 40-06 whereby I have to inform ebIX of the following:

1. After discussion within ENTSO-E/WG-EDI at their last meeting in October of the role "Metering Point Identification Allocator", WG-EDI could not come to a satisfactory conclusion due to the lack of information concerning the role. It is unclear what the role is supposed to do and in what context it operates. WG-EDI would appreciate it if ebIX could clarify the process before moving further.

Background:

Originally ebIX[®] proposed to add the task of issuing MP IDs to the Grid access Provider (GAP). However, ENTSO-E informed that also ENTSO-E is issuing MP-IDs, however not in the role of GAP. As a result ebIX proposed to create a new role issuing the MP IDs.

Conclusion:

- ebIX[®] still wants a new role
 - Today the GAP is issuing MP IDs in the downstream market
2. WG-EDI discussed the question of inviting other organisations to the harmonisation group. WG-EDI felt that such an initiative should not be addressed since:
 - There is no request of these organizations to work on the subject of harmonisation.
 - WG-EDI was unsure that additional organisations would be fruitful since it might create unnecessary workload.
 - Eurelectric could be a good idea since it could perhaps provide good input to the model.
 - There was some divergence concerning the introduction of gas.
 - There were some reserves concerning overloading the work being carried out by the group.

In conclusion within WG-EDI there was a majority for not going forward with the introduction of additional organisations apart perhaps for Eurelectric which could be introduced in the long term.

Action:

- Kees will try to make a position paper for discussion at the coming ebIX[®] Forum meeting.
3. With the conclusion of the last point WG-EDI felt that Kees Sparreboom shall not contact additional organisations.

Conclusion:

- See above.
4. WG-EDI agrees that it will provide the necessary input to the harmonisation group whenever the RGCE roles and domains change.

Conclusion:

- I.e. ENTSO-E has taken the responsibility for the RCGI roles in the Harmonised Role Model, which is OK.
5. Concerning the ebIX to change the description of an association to "Validates collected data for", WG-EDI was not favourable since it did not provide any further clarification and since the motivations for the change were unclear.

Conclusion:

- Will be handled by the ebIX® HG members.

6. Concerning the ebIX request to change the multiplicity of the association BRP to BG WG-EDI agreed that it could be made.

Conclusion:

- OK.

7. WG-EDI has taken an action to review all the definitions for the different areas which will be reviewed at the next WG'EDI meeting. The definition for bidding zone was not agreed at this stage.

Conclusion:

- OK.

8. Concerning the deprecation of the functional group, WG-EDI is currently reviewing any impact that may occur and will provide feedback for the next WG-EDI meeting.

Conclusion:

- OK.

9. Concerning the creation of the role ESCO, WG-EDI is currently reviewing it and will provide feedback for the next meeting when a clearer picture of consumption and generation can be made.

Conclusion:

- OK.

14.1.2 New role: “ESCOs” (Energy Service Companies)

Actions from previous meetings:

ebIX® will come up with a proposal for a definition of an ESCO and the place in the HRM

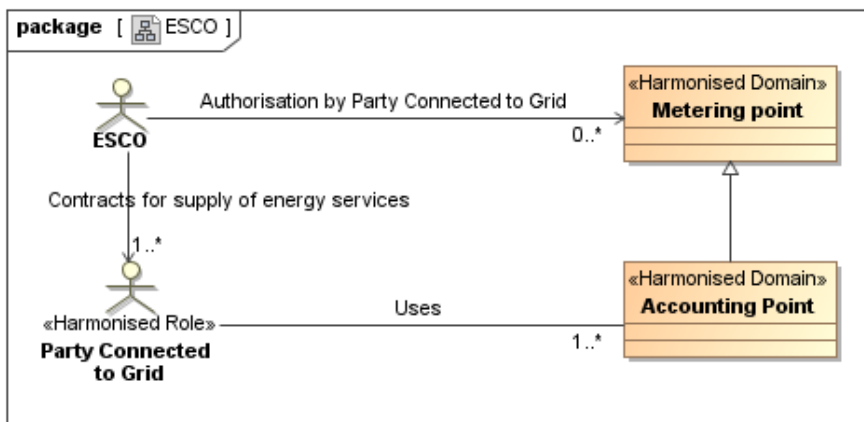
Grazyna informed that there is an EU commission report dealing with ESCOs (ESCO Market Report 2013 - Report EUR 26691 EN). The report had already a definition for the role:

An ‘energy service provider’ is a “natural or legal person who delivers energy services or other energy efficiency improvement measures in a final customer’s facility or premises”

CuS proposed the following definition:

An ESCO provides energy (efficiency) services to the Party Connected to Grid, based on (metered) data from the Party Connected to Grid’s Metering Point (s)

And the following relations:



Appendix A CuS Work plan

#	Activity	Priority	Start	End
A)	Include gas for MPs, as proposed by the ebIX® gas group	immediate	Q4/2014	Q1/2015
B)	How to handle the different attributes related to the Consumer, such as consumer contact information (e.g. address and invoice address).	1 st	Q4/2014	Q2/2015
C)	Request change of attributes connected to a MP, such as: <ul style="list-style-type: none"> Closing and Reopening MPs, Change of Metering Method and Change of time frames 	2 nd	Q1/2015	Q3/2015
D)	Combined grid and supply billing (invoicing), including MD for products, such as; grid fees, grid subscriptions, ...	3 rd	Q2/2015	Q1/2016
E)	Interfering processes – a matrix of processes with priorities, when a given process is interfered by another, such as when a customer move comes in the middle of a change of supplier process.	4 th	Q4/2015	Q3/2016
F)	Change of BRP in Metering Grid Area, "Price Area" or country (not at MP level) (Proposed by DK), i.e. a "bulk change of BRP (and/or BS?)"	5 th	TBD	TBD
G)	Efficient data alignment, including the possibility to request historical and/or future master data.	6 th	TBD	TBD
H)	Request for services. The item concerns chargeable requests from the BS to the DSO for changes to a MP or a Meter, such as: <ul style="list-style-type: none"> Request for metered data 	TBD	TBD	TBD
I)	The possible role of a datahub in the processes (Proposed by DK) <ul style="list-style-type: none"> Seen from the supplier side Seen from the DSO side Seen from the metering side When adding a datahub to a market the datahub will replace the DSOs, to a large extend, i.e. the MPA will be the datahub. Among others, the proposal include processes between the GAP and the MPA.	TBD	TBD	TBD
J)	QA of the CuS model and consistency of the CuS and EMD models	TBD	TBD	TBD
K)	New (enhanced) processes for labelling	TBD	TBD	TBD

Appendix B Member list

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It is expected that cc receivers are reading the CuS minutes and actively responds to these when they have comments to them. It is further expected that the CuS information is actively used in the national data exchange standardisation work.