# Minutes Exchange of Metered Data Project, November 19th and 20th 2008

**Date:** Wednesday 19th of November Thursday 20th of November

**Time:** 09.00 AM– 18.00 PM 09.00 AM– 15.00 PM

**Place:** Energinet.dk

Tonne Kjærsvej 65

DK-7000 Fredericia

**Participants:** Vlatka Cordes

Gerard Hoogenraad

Filip Drijkoningen

Lars Munter

Christian Odgaard

Preben Høj Larsen

Kees Sparreboom

**Documents:** actions done by ebIX EMD

actions removed by ebIX EMD

1. **Opening**
2. **Approval of agenda**

The item “Roadmap 2009” was added to the agenda. We also added the item for questions related to smart metering to the agenda. The resulting agenda was approved.

1. **Approval of the minutes**

The minutes were approved.

1. **Action list**

* Regarding smart meters:
  + Vlatka will invite guests for the smart meter topic (action: see item 9);
  + Gerard will come up with a contact in Landis & Gyr (**action: Gerard**)
  + Filip will look for a contact in IBM (**action: Filip**)
  + Later in this meeting we will make up a question catalogue for these vendors (see item 9).
* EMD will map the metered data related Class Diagrams in the BRS for Determine Switch stand to UTILTS (and of course XML); we will ask CuS to map the other CD’s (mapping to UTILMD and XML).

1. **Report from:**
   1. ebIX Forum

* The Forum asked the work groups to bring CuS and EMD models in line and with the same status before end of 2009.
* Models shall be published on the website.
* Relation between ebIX and ENTSO (see below).
* Relation between ebIX and IEC (see below).
* New convenor for CuS was elected (Eva Lepperhoff, RWE).
* Vendor group will be more strict on its representation within the work groups.
* Finally the ebIX website will be outsourced and updated.
* Membership status was discussed.
* Budget is covered and approved.
* Next year 4 meetings planned for EMD.
  1. E-Entso

ebIX participation in ENTSO was discussed. ETSO TF EDI has prepared a proposal for ETSO Steering Committee regarding the organization of data exchange/harmonization within ENTSO. ebIX will send a letter to ETSO SC with the same intend. The Nordic countries agreed in the Nordel meeting to this ebIX letter. During the EMD meeting Vlatka received the confirmation of support from Germany, Norway and The Netherlands.

* 1. IEC

Christoph and Kees will represent ebIX in IEC TC57 wg 16. During the EMD 31 meeting there is also the first meeting of wg 16 in Paris (Christoph will be there alone).

* 1. National developments
* Sweden: Lars mentioned the exchange of “time tables” by SvK for exchange of aggregated metered data (because each month (period for a profile) the number of Balance Responsible present in a grid may vary.). In this way it will be clear to all what to expect: a way of data alignment (especially since Balance Responsible’s (BR’s) in Sweden have no knowledge of master data for a MP). When interested see: [www.ediel.se/EdielPortal/](http://www.ediel.se/EdielPortal/). (also for the download of the XML-schema)
* Switzerland/Germany: Balance Responsible’s are not really interested in the correct handling of metered data. In Belgium the BR’s had the same attitude, but the financial auditors convinced the BR’s and Balance Suppliers (BS’s) that they have to be interested in metered data, since these data reflect a liability (auditors stopped approving the yearly reports).
* Belgium will implement new processes starting 15th of May 2009 (structuring, metering and settlement processes). In the new reconciliation process the results will be final 37 month after month of operation.

1. **Review RSM versions for Model Measure for Imbalance Settlement, Reconciliation, Billing, Introduction and maybe also Model Settle, Reconciliation**
   1. ABIE’s
   2. QDT’s
   3. Document schema’s
   4. Exchangeable Business Information schema’s

* For the first round of generating XML-schema’s we leave the BRS Class Diagrams in the already published documents untouched.
* We will however map to CC’s in RSM with only one class for the business document header (Role moved to Core Business data, Type to header).
* In this version we will have the header linked to the root class for the document. In the next (updated generator) version we will cut the link, but default still generate documents including (the separated) business document header class.

1. **Business Requirements Specification (BRS) for master data required by EMD models**

We have reviewed the 3 documents.

* We added subsetted code lists to the CD’s (picture based);
* We concluded that the code lists for metering (method, meter type, ..) do not satisfy the needs anymore. So we will have to review these lists and correct/extend these. We will also look at the elements that constitute the OBIS-code when we review the code lists. (**action: all**) Will be discussed next EMD meeting on the basis of an overview. Everybody will take stock of existing (national) codes and will indicate what will be needed. Send the resulting overview to Kees before 15th of December 2008 (**action: all**). Kees will try to derive an overview from these national lists and requirements (**action: Kees**). On the basis of the principle of one-dimensional codes we will try to draft new and improved code lists next meeting. Lists proposed before meeting (**action: Kees**).
* We have concluded that a correct functioning of the information exchange with regard to master data for metering/meter depends on the availability of unique ID’s for meters and registers and preferably a harmonized coding scheme. ebIX EMD intends to address this subject somehow and come up with a proposal next meeting (**action: Vlatka/Kees**)[[1]](#footnote-2).
* Question regarding Master Data MP: Is voltage level an attribute to the Metering Grid Area, or to a Metering Point? More specifically: could it be that a MGA consists of more than 1 technical grids with different voltage levels? Are net losses established per voltage level within the MGA? These questions need to be answered especially for the UML model Class Diagram Master Data MP local since voltage level is required for billing by the Grid Access Provider (Grid Cost). If we do not include this attribute in the documents for Measure for Billing, we need this elsewhere. If voltage level can vary per MGA, it has to be specified per MP. To be answered by all before 15th December 2008 (**action: all**).

1. **Roadmap 2009**
   1. Our planning to converge EMD and CuS models before end of 2009

January 2009:

* Finished 1rst round XML-schema + mapping Edifact 2008.A
* Finish BRS master data:
  + Change MDR
  + MD MP
  + MD meter-register
  + Change MDC
  + Change MO

Deliver resulting documents to ebIX CuS before CuS meeting 24/25 February (**action: Kees**).

March 2009:

* Well organised structure for UML model European Energy Market (with separated domains for Structure, Planning, Operate, Measure, .... and common sets for code lists, CC’s, stereotypes etc.) based on UMM2 will be provided to work groups by ebIX ETC.
* XML-schema generator for UMM2 version of the ebIX model provided by ebIX ETC.

April 2009 (Forum meeting):

* Both CuS and EMD model at least for one business process both the BRS and RSM part within the new UMM2 based UML model for the European Energy Market.

October 2009 (Forum meeting):

* Both CuS and EMD have modelled at least 90% of the business processes within the new UMM2 based UML model for the European Energy Market.

December 2009:

* Both CuS and EMD have modelled all of the business processes within the new UMM2 based UML model for the European Energy Market.
  1. Metering for labelling

See meeting 35

* 1. Metering for ... (production transparency, congestion, ...)

Cannot yet be addressed because of lack of time/budget

1. **Questions for smart meter vendors**

* What is smart? How many varieties of smart?
* Could it be electricity and gas combined? And water?
* What is the difference between old-style continuous and smart?
* Volumes versus meter reading/stands?
* Is validation included?
* Is interpolation/estimates included?
* What about storage?
* Is two-way communication required?
* What types of meters would you define?
* What types of registers would you define?
* What about standard ID’s (identification schemes)?
* Which additional features do you envisage as built in within the meter:
  + Different products
  + Validation-interpolation
  + Control
  + Storage
  + Additional information (prices)
  + Outages
* What do you see as consequences of the introduction of smart meters for the ebIX-EFET-ETSO Harmonized Role Model (which assumes a certain predefined distribution of responsibilities over roles)?

Please add questions/suggestions if possible: before 15th of December delivered to Vlatka (**action: all**).

Through BEAMA we traced ESMIG (European smart metering industry group). We will contact ESMIG [www.esmig.eu](http://www.esmig.eu) (**action: Vlatka**). Vlatka will also invite SAP and ask the vendor group to come up with an expert (**action: Vlatka**).

Also look at [www.metering.com](http://www.metering.com) for additional information ESMIG and smart metering (**action: all**).

1. **Work plan for next meetings**

* Meetings till next ebIX Forum:
  + Meeting 32: Frick, Switzerland, 14th/15th January 2009
    - 1rst day morning: opening etc.
    - Afternoon: vendor presentation smart meter
    - 2nd day: models master data
  + Meeting 33: Arnhem, Netherlands, 15th/16th April 2009
    - First EMD business process within the new UMM2 based UML model for the European Energy Market.
    - Smart meters and their consequences
  + Meeting 34: Hasselt, Belgium, 9th/10th June 2009
    - 50% of present EMD business process within the new UMM2 based UML model for the European Energy Market.
    - Finalize smart metering, prepare Metering Europe
  + Meeting 35: Stockholm, Sweden, 23rd /24th September 2009
    - 80% of present EMD business process within the new UMM2 based UML model for the European Energy Market.
    - Start BRS Measure for Labeling (i.e. for green certificates) and for Production transparency/congestion; after first discussion we have to decide what to work out in detail first.

1. **Any other business**

none

1. Participants in ebIX metered data project

**Members**

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1. Open actions

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|  | **Action** | Name | **Planned end date** | **End date** |
| 29.1 | (Decide to) Invite guest from vendor group for presenting smart meter features and consequences for ebIX models | Vlatka | 32 |  |
| 30.1 | Update version UTILTS to which the models are mapped | Kees | 31 |  |
| 30.2 | Include code values for header attributes in more generic model elements | Kees | 31 |  |
| 30.3 | Add RSM parts including XML-schema’s to all published EMD model documents | Kees | 31 |  |
| 30.4 | Publish resulting model documents for comments | Kees | 31 |  |
| 31.1 | Find expert smart meter in Landis & Gyr | Gerard | 32 |  |
| 31.2 | Find expert smart meter in IBM | Filip | 32 |  |
| 31.3 | Look at the elements that constitute the OBIS-code | All | 15th December 2008 |  |
| 31.4 | Take stock of national needs with respect to metering methods, meter types etc. and report before 15th of December to Kees | All | 15th December 2008 |  |
| 31.5 | Derive overview from national needs for codes for metering method, type … | Kees | 32 |  |
| 31.6 | Proposal code lists for metering method, type … | Kees | 32 |  |
| 31.7 | Proposal to address need for harmonized coding scheme for meters and registers | Vlatka/Kees | 32 |  |
| 31.8 | Where do specify voltage level in our model? | All | 32 |  |
| 31.9 | Deliver BRS model documents for Master Data for EMD models to ebIX CuS | Kees | 15th of February 2009 |  |
| 31.10 | Additional questions to be asked to smart meter experts; send to Vlatka | All | 15th December 2008 |  |
| 31.11 | Contact ESMIG | Vlatka | 32 |  |
| 31.12 | Invite SAP smart meter expert | Vlatka | 32 |  |
| 31.13 | Look for additional smart meter information (e.g. at [www.metering.com](http://www.metering.com) ) and inform Vlatka about results | All | 32 |  |

1. actions moved to list “done”

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|  | **Action** | Name | **Originated from meeting** | **Planned end date** | **End date** |
|  | Check all class diagrams for aggregated data and see whether “last update date” should be added. Is this a solution for a versioning in case the MDA has to recalculate an resend the data for imbalance settlement to ISR and BRP? Answer EMD26: yes, see nr 5. | Work group | Asap after publication and comments | 25 | 31 |
|  | Prepare a draft version for the change of Metered Data Responsible | Kees | 29 | 30 | 31 |
|  | Remove class diagram version from all BRS CD’s | Kees | 30 | 31 | 31 |
|  | Present transformation from UML to XML as done now for EMD models to ebIX ETC | Kees | 30 | 31 | 31 |
|  | Ask ebIX Forum for strategy regarding new models | Vlatka | 30 | 31 | 31 |
|  | Update Overall UseCases before publishing the documents for MD | Kees | 30 | 31 | 31 |
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1. actions moved to list removed

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|  | Bring BRS version of the Class diagrams in line with the requirements for web services | Kees | 30 | 31 | Removed meeting 31 |
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1. actions transferred to other group

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1. When finalizing the minutes, I found that on some items we have not be as specific as we should have been. And remembering the advice from my first boss who told me that minutes should reflect what we should have done and decided rather than what we actually did, I have added some items/actions, but marked these blue so you can easily see what is in the minutes as an addition to what we actually did agree on. [↑](#footnote-ref-2)