Minutes Exchange of Metered Data Project, November 26th and 27th 2013

Date: Tuesday November 26th 2013   Wednesday November 27th 2013
Time: 09.00 AM – 18.00 PM   09.00 AM – 15.30 PM
Place: Bella Sky Comwell hotel,
            Copenhagen, Denmark

Present: Eva Lepperhoff
              Thibaut Hellin (second day)
              Lars Munter
              Christian Odgaard (second day)
              Preben Høj Larsen
              Ragnar Maalen-Johansen
              Kees Sparreboom

Documents: BRS for Measure for Determine Meter Read 2r0B for approval
                BRS for Measure for Billing 2r0A + proposed updates
                BRS Measure for Reconciliation 2r0C
                BRS Settle for Reconciliation 1.0.- work document 02
                BIM's for all already approved BRS's

1. Opening

Eva Lepperhoff (Germany) was welcomed as a new member of the ebIX® EMD work group. It looks like Vlatka cannot continue her convener ship of ebIX EMD. It is expected that this will be clear for our next meeting.

Igor Volf has announced that he moved to another job in his company and cannot combine this work with an ebIX® workgroup membership. He will together with David Batič try to find a successor.

Jörg Ferchow announced that he cannot continue his participation in the work group on behalf of the vendor group. The person he recommended as his successor (Harald Knust) has been contacted, but wasn't yet aware of these internal SAP developments.

2. Approval of agenda

The agenda was approved with the addition of a report on the Nordic market (under agenda item 5.4.1).

3. Approval of the minutes

The minutes were approved.

4. Action list

The action list was updated. The resulting list is to be found in annex B.

5. Report from:

5.1. ebIX^(R) ETC

   5.1.1. updated ABIE's
           No real news. References (such as reference to other document) have been transformed from ASBIE to BBIE. Customer_Party has been added (relevant for CuS models). The next change will be the addition of Meter Reading (see agenda item 7.2.2).

   5.1.2. updated Introduction to ebIX models
           ebIX ETC is working on the update for the Introduction. This work has not been completed yet.

   5.1.3. updated rules for use OCL /updated TT

the updated TT is available in beta version: it works, it does almost everything required, but is not yet perfect. (remark: the perfect version has become available in the meantime.) Once the TT is finalized, the manual and the document containing the rules will be updated.

5.1.4. updated OCL templates (because of updated BIE's)

updated OCL templates are available and will be updated again for the updated ABIE Energy_TimeSeries

5.1.5. national codes and national customization in ebIX model

the present TT supports national customization by means of UML-constraints with a tagged value indicating the national organization.

5.2. IEC TC 57

ebIX has not yet received response from IEC TC57 WG16 regarding the start of the joint project for downstream data to be mapped to CIM data. The next WG16 meeting is planned in January 2014.

5.3. EU M490

M490 is about specifications and available/missing standards for smart grids. ebIX participates in one of the M490 work groups. Our main job at the moment is to bring in the Harmonized Role Model as one of the available standards and point the relevance of these roles for definition of market models and specifying processes. The results are excellent: the Harmonized Role Model has become an important part of the M490 documents.

5.4. National developments

5.4.1. Nordic market discussions

The BRS has been drafted for imbalance settlement process including metered data.

Format discussions for information exchange are based on ENTSO-E standards for imbalance settlement.

The Nordic TSO's (with the exception of Danish Energinet.dk) have founded a common company for imbalance settlement process; an important remaining question now is how to handle present differences as these differences are still backed by the national regulators (example all NO-production is hourly metered, but small production is netted with consumption. The limits however are national and different.)

Lars asks ebIX EMD if we can specify additional aggregation differentiation for switchable production/consumption. Will be put on agenda for EMD 41 (**action: Kees/all**).

6. ebIX Models (UMM-2) published since last meeting:

6.1. BRS for Measure Determine Meter Read 2r0B (Forum asked for approval)
6.2. BRS for Measure Collected Data 2r0E,
6.3. BRS for Measure for Billing 2r0A,
6.4. BRS for Measure for Imbalance Settlement 2r0E,
6.5. BRS for Measure for Labeling 1r0A
6.6. BRS for Measure for Reconciliation 2r0C

7. ebIX Models (UMM-2) to be discussed:

7.1. BRS for Measure Determine Meter Read 2r0B for approval

7.1.1. Belgian questions (30-8-2013):

- Why is in the BRS both the direction and the product specified?
- In case of several products to be invoiced, the request will have to be repeated for each product, since the product is explicitly specified. Shouldn't we make the cardinality of the product optional?
- How can the customer read (that follows an own separate path) be linked with the (switch-) process or with the request for a meter read;

The answer to these questions have been drafted by the EMD-group and have been mailed during the meeting to Chris. The text of the mail is included (see below, date 26-11-2013):

Dear Chris,

Your answer by ebIX EMD work group, that is in its meeting at this moment (that's why it is in English):

Ad 1: in all ebIX models we try to be explicit and try to avoid implicit specifications. Secondly in all ebIX models we limit ourselves to active energy at the moment (there is only one exception as far as we know and that is billing grid cost). Thirdly, the model deals with the need for a meter read in case of a change process. And we only have change processes regarding active energy at the moment.

Ad 2: we leave this to the validator. In your case the validator has received a customer read. And then he receives a notification from the MPA. In that case he will see whether he has a meter read (from customer or else) that can be used. When it is recent and trustworthy enough the validator will use the customer read as a basis, and when not, he we will ask for an new meter read by a metered data collector. So it will be used without any special linkages within his own administration.

We hope this will answer your questions.

Best regards,

ebIX EMD (Kees Sparreboom secr)

7.1.2. Confirmation of no need for Upfront Meter Read.

The EMD group confirms that there is no need for a document specifying the request for and exchange of an upfront meter read. ebIX CuS will be informed (**action: Kees**)

7.2. BRS for Measure for Billing 2r0A + proposed updates November 2013

7.2.1. Question about missing yes/no code for exchange MP as specification of direction?

Answer: we do not need code E20 because we use the MP-type here as specification of direction only, therefore production and consumption is enough for the two options for direction.

7.2.2. How do we want the additional meter read to be included?

Answer: We have decided in favour of option 1. After some discussion we came to the conclusion that the cardinality remains 0..1 for the class. We changed the cardinality of the property meter read to 1. When someone wants to send both the present and the previous meter read, it shall be specified additionally using the registration-date time.
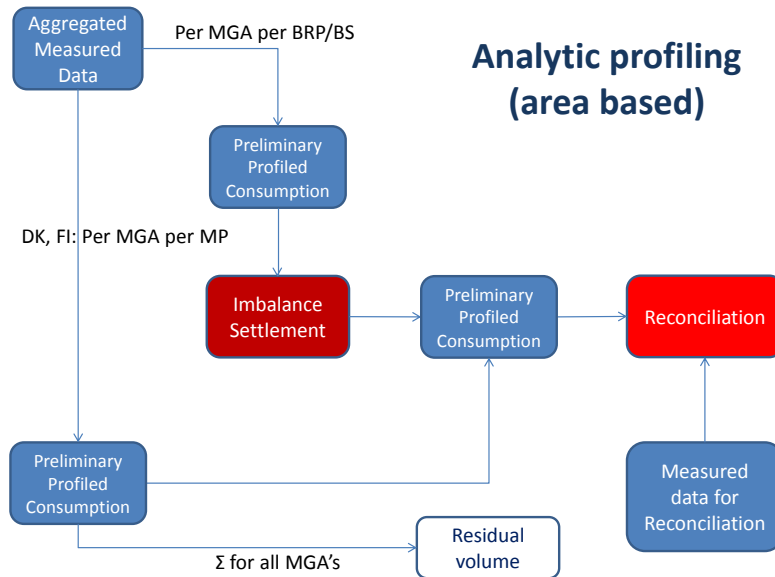
7.3. BIM for Measure for Billing 2013.A work document

The only change to be made is replacing the present ABIE Energy_TimeSeries with the updated ABIE-version with accompanying meter read. As a consequence also the OCL-statements will have to be updated (**action: Kees**). However this can only be done when ebIX ETC has updated the ABIE.

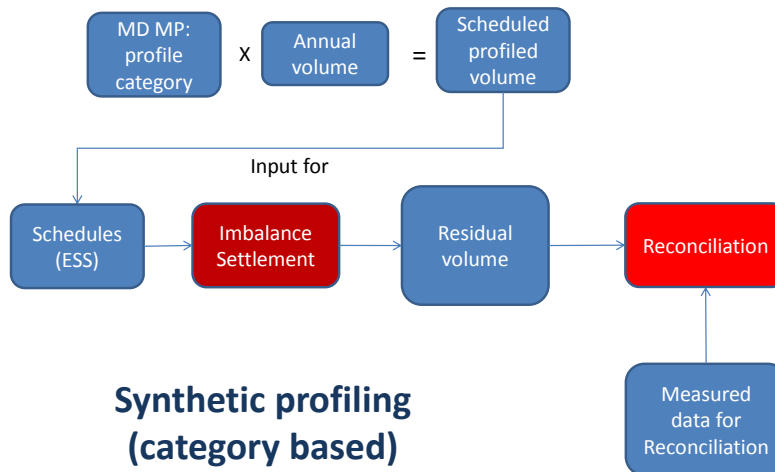7.4. BRS for Settle for Reconciliation 1.0.- work document 02

7.4.1. How will we handle preliminary load profiles?

After extensive discussions we came to the following overview for two options used in ebIX member countries:

Analytic profiling (area based):

Analytic profiling (area based)

Aggregated Measured Data

Per MGA per BRP/BS

Preliminary Profiled Consumption

DK, FI: Per MGA per MP

Imbalance Settlement

Preliminary Profiled Consumption

Reconciliation

Preliminary Profiled Consumption

Σ for all MGA's

Residual volume

Measured data for Reconciliation

Synthetic profiling (category based):

MD MP: profile category

X

Annual volume

=

Scheduled profiled volume

Input for

Schedules (ESS)

Imbalance Settlement

Residual volume

Reconciliation

Measured data for Reconciliation

Synthetic profiling (category based)

The BRS will take these overviews as the basis for the specifications of the information exchange. (remark: the overviews have been distributed to the EMD members for comment after the meeting. No disagreement has been expressed. Therefore the overviews are accepted as the basis.)

7.5. BIM for Settle Reconciliation 2013.A work document
BIM will be completed in line with the updated BRS and using the new version of ABIE Energy_TimeSeries (**action: Kees**).
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8. Business Information Models (UMM-2) available for ebIX ETC since last meeting:

8.1. BIM for Measure Determine Meter Read 2.0.B
BRS remains unchanged, but BIM will be updated with new version of ABIE Energy_TimeSeries (**action: Kees**).

8.2. BIM for Measure Collected Data 2013.A for approval
BRS remains unchanged, but BIM will be updated with new version of ABIE Energy_TimeSeries
(**action: Kees**).
8.3. BIM for Measure for Billing 2013.A work document
BRS remains unchanged, but BIM will be updated with new version of ABIE Energy_TimeSeries
(**action: Kees**).
8.4. BIM for Measure for Imbalance Settlement 2013.A work document
BRS remains unchanged, but BIM will be updated with new version of ABIE Energy_TimeSeries
(**action: Kees**).
8.5. BIM for Measure for Labeling 1r0A
BRS remains unchanged, but BIM will be updated with new version of ABIE Energy_TimeSeries
(**action: Kees**).
8.6. BIM for Measure for Reconciliation 2013.A for approval
BRS remains unchanged, but BIM will be updated with new version of ABIE Energy_TimeSeries
(**action: Kees**).
8.7. BIM for Settle for Reconciliation 2013.A work document
BRS will be updated and BIM will be updated accordingly (**action: Kees**)

9. ebIX and Smart Grid developments
Kees has taken part in the work of M490 work groups. These work groups try to take stock of both
available standards for the implementation of smart grids and of standards missing. The aim of this
participation has been to add the Harmonized Role Model to the list of available standards and to make the
work groups familiar with the use of the role model.
The role model has been added to the M490 documents. Even the US-participants in the work groups
indicated, that they will review the possibilities to use the role model in their standardisation work.
9.1. consequences for Harmonized Role Model
9.1.1. we will have to review blank spots in the role model given the requirements of smart grid
implementations. The suggestion is to first have a look at requirements for charging poles for
electric vehicles and determine whether the present role model covers these requirements.
9.1.2. The governance of the role model has to brought up to requirements of this new situation
where the use of the role model is extended outside the realm of the "founding fathers".
9.2. actions to be taken/work to be planned
Both topics will first be brought to the attention of ebIX ETC (**action: Kees**).

10. Work plan for next meetings
Not discussed because of lack of time.
For the next EMD meeting the planned dates are 26th and 27th of February 2014. The location was not yet
decided.

11. Any other business
None

Appendix A   PARTICIPANTS IN EBIX® METERED DATA PROJECT

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Appendix B   OPEN ACTIONS

	Action	Name	Planned end date	End date
34.3	Find representatives from gas sector for EMD	All	35?	
39.1	Submit national codes to ebIX® ETC	All	40	
39.2	Include generic processes in Introduction for ebIX models	Kees/ebIX® ETC	40	
39.3	Finalise the last agreed details for BRS's (as mentioned in the minutes) and submit these to ebIX® Forum for approval	Kees	40	
39.4	Report on Nordic agreement on need for number of MP's in TimeSeries ABIE and or BRS's.	Christian/ Lars/ Preben/ Ragnar	42?	
39.7	Finalise working draft for BRS for Settle for Reconciliation	Kees	40	
39.8	Comment by mail to BRS for Settle for Reconciliation	All	40	
40.1	Put specification of additional aggregation differentiation for switchable production/consumption on agenda for EMD 41	Kees/all	41	41
40.2	Inform ebIX CuS about dropping BRS upfront Meter Read	Kees	41	41
40.3	update all BIM's containing ABIE Energy_TimeSeries because of the addition of MeterRead.	Kees	41	42?
40.4	Update and complete BRS and BIM Settle Reconciliation as a draft to be discussed in EMD 41	Kees	41	
40.5	Inform ebIX ETC about results and consequences for role model of participation in M490 groups	Kees	41	

Appendix C ACTIONS MOVED TO LIST "DONE"

	Action	Name	Planned end date	End date
39.5	Comment to BRS for Upfront Meter Read by mail and check national need for this BRS	All	40	40
39.6	Check whether proposed data are used in requests in The Netherlands for reconciliation and billing process	Kees	40	40

Appendix D ACTIONS MOVED TO LIST REMOVED

Appendix E ACTIONS TRANSFERRED TO OTHER GROUP