

Action 39.4 (Number of MP's) and 41.5: at the moment the number of MP's is required by the regulation, but is not taken into account by the design of the Nordic Balancing System. So for now we regard this issue for EMD to be closed and wait for any further action a new request.

Action 41.2 and 41.3 (production characteristics): Since meeting 41 ebIX® has been looking for a standard regarding production quality and has found a CEN-standard for production types (fuel type and installation type). Remark: In Germany aggregation of measured data per production type is needed for publication. Balance groups are used for this aggregation (5 types required).

5. Report

5.1. ebIX® CuS

5.1.1. CuS is now working on the master data for the meter

5.1.2. CuS suggests to remove property for "communication with meter" together with its enumeration. EMD sees no problem in removing this. If a liberalised metering market requires predictability for the new metering responsible with regard to its capability to read this meter, one better standardises/limits the set of protocols to be used. In this way it will also be predictable for the new responsible.

5.1.3. In the update for the MP master data a clear distinction will be made between the physical vs administrative master data (MP, bay/field, meter)

5.2. ebIX® ETC

5.2.1. updated ABIE's will be used for BIM's version 2014.A

5.2.2. an update for the Introduction to ebIX® models will become available soon and be published on the ebIX® website

5.3. UN/CEFACT

5.3.1. As one the first standards organizations UN/CEFACT is now narrowing down its focus and bring it more in line with its core mandate and competences.

5.3.2. MoU Management Group (ISO, IEC, ITU, UN/CEFACT, OASIS) has discussed now already several times the overlap between IEC TC57 work and the mandate for other standards organization. In its latest meeting the MoU MG asked IEC for an explanation from TC57 for these new overlaps with already available UN/CEFACT and OASIS standards (CC's and XML schema's).

5.4. IEC TC 57

5.4.1. ebIX® and IEC TC57 wg16 start a project in order to produce a Technical Report. The aim of this ebIX®-IEC trial project is to investigate if and how mapping data from ebIX® BRS's to data elements in the IEC CIM can be done and what to do with eventual blind spots.

5.5. National developments

5.5.1. Demand response. See agenda item 11.

5.5.2. ebIX® questionnaire: all members are asked to fill in a table with regard to the national use of ebIX® deliverables. Kees will distribute the table (**action: Kees**). All will fill in the table before the upcoming ebIX® Forum meeting (**action: all**).

6. ebIX® gas group

6.1. the ebIX® gas group has started its activities in June 2014 and has now almost finished its work. The upcoming meeting in February will probably be the last meeting for the actual task. Then it will have to be decided whether also other ebIX® processes (such as Measure for Imbalance Settlements or Measure and Settle for Reconciliation) will be made available for use in the gas sector as well.

6.2. Resulting work for EMD (see agenda item 8)

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

no comments have been received on:

7.1. BRS for Settle for Reconciliation 1.0.- for approval (dd 8-7-2014)

has been distributed to EMD members for information and if wanted also for discussion:

No comments have been received. The BRS is now approved by ebIX® EMD and will be sent to the ebIX® Forum for final approval (**action: Kees**).

7.2. BIM for Settle Reconciliation 2014.A work document

This BIM is yet to be updated by ebIX® ETC. The results may be checked by EMD. Eva will suggest an efficient way of doing this (who will do what: prevent that we do 6 or more times the same check and therefore divide the work among different EMD-participants) (**action: Eva**).

8. Updated BRS's because of gas requirements:

General remarks:

In ebIX® CuS it has been decided to add color to the different enumerations (blue=gas, grey=electricity). ebIX® EMD agrees. Kees will use these colors for the update of the BRS class diagrams for measured data (**action: Kees**).

Additional EMD decided to mention the new codes for Sm3 and Nm3 in a text box under the expectation that these new codes will be available around June/July and then will be included in the "normal" representation of enumerations.

8.1. BRS for Measure Collected Data

approved

8.2. BRS for Measure for Billing

Question about using timeframe for either energy and/or grid cost will be removed, since timeframe has to be available in both situations for national use. With this remark the BRS is approved and will be sent to ebIX® Forum for approval (**action: Kees**).

9. Updated BIM's as a consequence of new CC for Meter Read all BIM's where Energy_TimeSeries or MeasuredData_Request is being used:

BIM's for measured data now to be updated by ebIX® ETC because of updated BRS's:

9.1. BIM for Measure for Billing 2014.A

9.2. BIM for Measure for Determine Meter Read 2014.A

9.3. BIM for Settle Reconciliation 2014.A

9.4. BIM for Measure for Reconciliation 2014.A

BIM to be updated because of the new CC for CollectedData_Energy_TimeSeries

9.5. BIM for Measure Collected Data 2014.A

9.6. All other BIM's for measured data have to be updated because of updates in the ABIE's.

10. Review codes for metering method (meter master data incl. protocols etc.)

Protocols: see 5.1.2

For EMD the present codes for MeteringMethod are still OK, also in combination with the new codes for MeteredDataCollectionMethodCode. The two codes for MeteredDataCollectionMethodCode will do.

Kees will inform ebIX® CuS and ETC (**action: Kees**).

11. ebIX® and Smart Grid developments

11.1. business requirements charging pole and consequences for Harmonized Role Model

11.2. actions to be taken/work to be planned

11.3. demand response

This topic was discussed in several rounds. At the start of these discussions Lars mentioned, that we have to distinguish between (near) real time processes and the typical market information. All agreed, since we think ebIX® with its focus on information for the market is not the designated organization to model/harmonize/publish recommendations for the (near) real time information needed for smart grid processes controlled by for example SCADA systems. Nevertheless we notice also various topics where a contribution might be expected now or in coming years. During these rounds of discussions we drafted a table as a preliminary overview. For this table we also received input from the Belgian members (Thibaut and Chris) by mail. These contributions are also included in the table "Smart processes to be described/specified by ebIX®?" (see below)

European forum for energy Business Information eXchange	Minutes EMD, February 10th and 11th 2015
ebIX ^(R) Exchange Metered Data Project	Meeting number: 42

Smart processes to be described/specified by ebIX[®]?

Topic	Recognized sub-topic	Description/definition	Role model consequences	comment
Charging pole				Belgium already provided a slideshow to ebIX [®] with the way this will be done it in Belgium. We are interested in an ebIX [®] point of view.
Demand response		The use of the price mechanism in order to influence the behavior of party connected to the grid (both producer and consumer)		Mechanism in order to influence the behaviour of party connected to the grid (linked to price? Could be but is expected to be more than just this). We are interested in a deeper analysis by ebIX [®] as we expect to be affected.
	Avoid congestion			This is linked to Demand/Response
	Lift congestion			This is linked to Demand/Response
Third parties (ESCOs)		The way of working between these parties and the MPA/MDR/... in combination with the commercial suppliers (interactions).		
Commercial prepayment		With smart meters it would be possible to develop a prepayment approach.		Can Belgium prepare a proposal for an ebIX [®] point of view?
Security and privacy				How to act in a supplier centric model when the end responsibility is with the grid but the action has to be performed by the supplier? If this is an ebIX [®] topic, it will probably be traditionally best placed at ebIX [®] ETC.

Alternative services possible with smart meters and local productions		With a metering point containing a local production and with having a smart meter, there are more possibilities to offer different services (not only compensation)	Probably	Start project to investigate actual national developments and where possible requirements. This result is to be used as input for preparing an ebIX [®] proposal for updating the HRM. Examples for this are to be found in developments in NL and in BE.
Supplier time-of-use		With the installation of smart meters it would be possible that a supplier defines is own time of use/ time frames that differs from the usual ones.		Effect on billing process + effect on reconciliation; what is here master data and what is the effect on the transaction data. Proposal: do a first investigation by EMD to draft a project plan. When possible indicate the expected work by CuS with regard to master data.
Green text blocks mean these topics are proposed by ebIX[®] EMD as a new work item for ebIX[®] work groups.				

Additional questions from ebIX[®] EMD to ebIX[®] Forum:

- Can we find/make an overview of work on these issues in other forums/organizations?
- Can we link up with the organizations we see as relevant for a further concretization of these topics (EDSO, ENTSO-E)?

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12. Business requirements for invoicing

Given the assumptions of the supplier centric model, do we need an ebIX[®] invoice recommendation and if, what do we expect? After ample discussion and deeper elaboration of this topic, the ebIX[®] EMD answer is: yes.

The deeper elaboration of the issue came down to trying to answer the following 2 questions for a situation with a supplier centric model:

- A. how does the grid enable the supplier to invoice the customer for grid cost?
- B. how does the grid company invoice the supplier in order to get the money?

For question A we see as the two most likely solutions:

1. send prepared invoice lines for each MP
2. send components (tariff and measured data (not only active energy but also for reactive and also charge for grid loss, metering and meter rent) and let the supplier¹ calculate (similar to price-volume combination in Reconciliation).

For question B we see as the two most likely solutions:

1. send invoices per MP to the supplier (which will be quite similar to both A.1 and A.2, see above)
3. send an aggregated invoice from Grid to Supplier for all MP's belonging to that supplier plus additionally the detailed information needed per MP to enable the supplier to create the invoice lines for the customer and to check the overall amount received in the invoice.

Note:

- are there still other services to be invoiced by the grid?
- how can we delimit what will be covered by this guideline, even with the limitation of only invoicing for MP's for which a supplier model is applicable? Remark: in Slovenia supplier centric is only applicable for households and household is defined by its prime function which is provide shelter for a living without the intention to make money.
- Remaining (unanswered) question: What other participants might we need to work on these requirements/guideline?
- Lars mentioned, that he prefers ebIX[®] at this stage to focus on this kind of new requirements because of the introduction of the supplier centric model. The business requirements for invoicing between grid and supplier can be seen as a first step, but he also sees a need for exchange of master data for product/service between these market parties.

Who could do this work? ebIX[®] EMD sees 3 options:

1. CuS: we think CuS should continue its focus on master data, such as master data for MP/meter and for party and product. Master data for product might become relevant with respect to exchange invoices.
2. EMD: has the advantage of being an already existing group, and being familiar with measured data to which invoicing is linked. A potential drawback may be that at the moment not enough present participants have invoicing knowledge/experience.
3. New invoicing group: has the advantage of being a dedicated group. But the drawback may be that extra time is needed to assemble the group and that maybe persons are not familiar with ebIX[®] work and that they may not combine knowledge of measured data and invoicing.

All in all ebIX[®] EMD thinks it will be capable and even best placed for creating the BRS's that are required. Eventually with some new participant with special knowledge/experience with invoicing between grid and supplier or with household customer invoicing of grid services. Therefore it was decided to add this topic to the EMD-work plan for next year (**action: Eva and Kees**).

¹ Or Elhub in Norway or for that matter any other datahub used (nationally)

13. Work plan for next meetings

Invoicing grid cost in supplier centric model			
<i>Topic</i>	<i>Considerations</i>	<i>Steps by others</i>	<i>Steps by EMD</i>
Invoice specification/guidelines for billing grid cost in a supplier centric model			
	In the end we want to deliver XML schema's for the information exchange.	2 BIM's by ETC (see BRS's)	
	In order to create BIM's, BRS's are needed for the required options EMD assumes we need 2 BRS's (and not 4, since there are similarities between elements in A and B)		1. Prepare draft 2. Meeting to discuss 3. Prepare second draft 4. Meeting approve
	In order to know the required options we will have to establish which options are preferred/required and which options may be skipped	Input from national groups/representatives	
		Parallel work by ebIX® CuS: BRS for product master data to support invoicing grid cost.	

So all in all we plan for 2 times (home-)work on 2 BRS and 2 EMD meetings to finalize this work in the most optimistic scenario. Plus the BIM-work by ebIX® ETC for these BRS's.

Topics for smart grid processes			
<i>Topic</i>	<i>Considerations</i>	<i>Steps by others</i>	<i>Steps by EMD</i>
Third parties (ESCOs)	The way of working between these parties and the MPA/MDR/MDC (basically measured data) in combination with the commercial suppliers (interactions).	First we need the ebIX® point of view	Based on the ebIX® point of view, EMD will prepare a project proposal
Commercial prepayment	With smart meters it would be possible to develop a prepayment approach.	Can Belgium prepare a proposal for this?	
Alternative services possible with smart meters and local productions	With a metering point containing a local production and with having a smart meter, there are more possibilities to offer different services (not only compensation)	Start project to investigate actual national developments and where possible requirements. This result is to be used as input for preparing an ebIX® proposal for updating the HRM.	
Supplier time-of-use	With the installation of smart meters it would be possible that a supplier defines its own time of use/ time frames that differs from the usual ones.		Effect on billing process + effect on reconciliation; what is here master data and what is the effect on the transaction data. Proposal: do a first investigation by EMD to draft a project plan. When possible indicate the expected work by CuS with regard to master data.

14. Any other business

Ragnar announced that probably the Norwegian representative in EMD will come from the Elhub organisation (for which Statnett is responsible).

Appendix A PARTICIPANTS IN EBIX[®] METERED DATA PROJECT

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Appendix B OPEN ACTIONS

	Action	Name	Planned end date	End date
40.3	update all BIM's containing ABIE Energy_TimeSeries because of the addition of MeterRead.	Kees	42	
41.1	Complete BIM Settle Reconciliation and forward to ebIX [®] ETC for approval	Kees	42	
42.1	Distribute ebIX [®] (EMD) questionnaire	Kees	asap	done
42.2	Fill in ebIX [®] (EMD) questionnaire	All	asap	
42.3	Send finalized EMD BRS's to ebIX [®] Forum for approval	Kees	43	
42.4	Suggest an efficient way of reviewing by EMD for finalized BIM's	Eva	asap	
42.5	Update BRS's for Measure Collected Data and for Measure for Billing with gas requirements	Kees	43	
42.6	Inform ebIX [®] CuS and ebIX [®] ETC about the ebIX [®] EMD point of view regarding metering method	Kees	43	done
42.7	Draft a work plan for ebIX [®] EMD (to be presented at the ebIX [®] Forum)	Eva and Kees	asap	

Appendix C ACTIONS MOVED TO LIST "DONE"

	Action	Name	Planned end date	End date
34.3	Find representatives from gas sector for EMD	All	42	42
39.1	Submit national codes to ebIX [®] ETC	All	40	42
39.2	Include generic processes in Introduction for ebIX [®] models	Kees/ebIX [®] ETC	40	42
39.3	Finalise the last agreed details for BRS's (as mentioned in the minutes) and submit these to ebIX [®] Forum for approval	Kees	42	42
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	42
39.7	Finalise working draft for BRS for Settle for Reconciliation	Kees	42	42
39.8	Comment by mail to BRS for Settle for Reconciliation	All	42	42
41.2	Find requirements for production transparency	Lars	42	42
41.3	Find requirements from AIB for classification labelling	David	42	41
41.4	Review metering method values and definition	EMD and ETC	43	42
41.5	Indicate whether number of metering points is needed in the ABIE	Lars	42 ?	42
41.6	Read documents regarding "smart" topics and where required find other (new) documents to be distributed in preparation of the coming discussion.	All	42	42

Appendix D ACTIONS MOVED TO LIST REMOVED

Appendix E ACTIONS TRANSFERRED TO OTHER GROUP
