Date: Tuesday and Wednesday, October 23rd and 24th, 2018
Time: 09:00 – 18:00 and 9:00 – 16:00
Place: Rotterdam, the Netherlands
Present: Gerrit (Convenor), NL, EDSN
           Kees, NL, TenneT
           Ove (Secretary), NO, EdiSys
           Stefan, BE, Atrias
Appendix A   EBG project and survey list
Appendix B   Updated ebIX® Domain Model
Attachments: None

1   Approval of agenda

The agenda was approved with the following additions:

- Action from HG, see item 3.4;
- Preparations for next ebIX® Forum, November 20th, see item 11.1 under AOB;
- Review of current structure of EBG and its projects, see item 11.2 under AOB;
- Blockchain, see item 11.3 under AOB.

2   Approval of minutes from previous meeting

The minutes from previous meeting were approved without any discussion or remark.

3   Status and resolving possible matters of EBG administrative tasks

3.1   test how a MagicDraw (MD) model created by MD version 18.5

Ove had as action from previous meeting to test how a MagicDraw (MD) model created by MD version 18.5 works with MD versions 18.2, together with Jan (Svenska kraftnät), with the following result:

- When opening the 18.5 model, the following message appears:
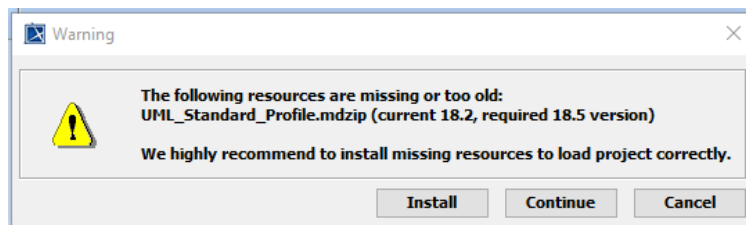
   o When choosing to install, the model is not loaded;
   o When choosing to continue, the model opens with the following warning in the MD "Notification Window":

>   [2018.09.10::09:22:24] HRM 2018-01 20180823_18-5-version.mdzip has been saved with a newer MagicDraw version 18.5 and may have information not supported by version

18.2. Please use MagicDraw version 18.5 or higher. If you still need to use MagicDraw 18.2, back up HRM 2018-01 20180823_18-5-version.mdzip to prevent data loss.

- o However, the model seems to work fine. The model can be saved as a 18.2 version and this model opens fine, without any errors or warnings.
- A MD 18.2 model opens fine in MD 18.5, without any warnings.

Conclusion:
- The issue will be transferred to ETC. Item closed from EBG point of view.

3.2 Actions from previous meeting

Ove had also done the following actions from previous meeting:
- Sent a reminder for a data-processing agreement to Maatwerk;
- Removed the BRSs "Request MP characteristics" and "Notify MP characteristics" from the ebIX® web site;
- Resolved ebIX® member consent items agreed at previous meeting, i.e.:
  - o Removed Claus (DE) from the EBG mailing list;
  - o Send another reminder to Christian (AT), Markus (AT), Viktoria (BG), Oscar (SE), Lucy (NL), Tomislav (HR), Dariusz (PL) and Tor (NO);
  - o Sent a last remember to Dajana (HR), and Anders (DK). Dajana (HR) has given consent and Anders (DK) has chosen to be removed.
  - o Eva (DE) is informed that she is removed from the ebIX® Forum member list.

The items are closed.

3.3 Other tasks

Due to priority of the Harmonised Role Model version 2019-01, the review of the Maintenance Request (MR) for Party Administrator in the ebIX®, EFET and ENTSO-E Harmonisation Group (HG) had been postponed.

The EBG project and survey list in Appendix A was reviewed and updated.

3.4 Action from HG

ebIX® had as action item from the ebIX®, EFET and ENTSO-E Harmonisation Group (HG) to prepare some basic information related to the Consent Administrator for next HG meeting (December 12th, 2018).

The proposed definition of the Consent Administrator is:

A party responsible for keeping a register of consents, given for a specified period for a certain set of data for an Accounting Point by the Party Connected to the Grid to a specific party. The Consent Administrator makes this information available on request for entitled parties in the sector.

The Consent Administrator must be contacted by all roles in a market that need to distribute customer data to parties that do not have a regulated right for the data. Hence ebIX® proposes that the Consent Administrator is shown as a "free standing role", like the Billing Agent.

4 Status and resolving of possible matters from projects running outside of EBG

### 4.1 ebIX® Distributed Flexibility project

In the BRS for Energy Flexibility, the Metering Point (MP) is currently required in the confirmation document and required in the Async Addition in the rejection document. EBG is asked to review this principle:

- In the draft BRS for Customer Consent, the MP is optional in the confirmation and optional in the Async Addition in the rejection;
- In BRS for Metering Configuration Characteristics, the MP is required in the Metering Configuration Characteristics and optional in the rejection;
- In BRS for Change of Supplier, the MP is required in the Async Addition in both confirmation and rejection

Conclusion from MDS meeting September 2016:

- For request/response processes, we use:

  - o "Concept 3" for the request and;
  - o "Concept 1" for the response.

  I.e. as we already do in the BRSs.
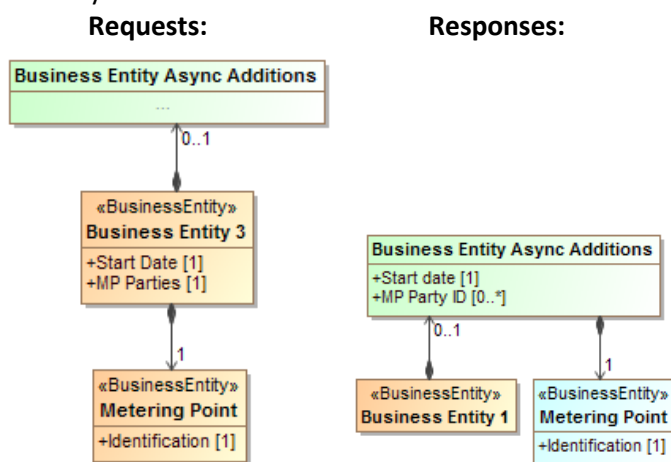
Conclusion:

- The Energy Flexibility BRS is modelled according to the previous agreed principles, hence no changes needed.

A new item G "Discuss differentiation of data sets and roles when aligning master data (e.g. when referencing notification of AP master data in a BRS)" was added to the EBG project and survey list in Appendix A.

4.2   EU Commission Smart Grid Task Force (SGTF)

Kees informed that he had distributed a questionnaire regarding "National processes and data definitions for Change of Supplier" to the members of the European Commission's EG1. Kees has received 16 responses. Among others, France has responded that change of Supplier and change of BRP not should be combined.

4.3   Role-to-Role (RtR) project

The first project meeting was held in Oslo October 9th and 10th:

- All members of the RtR project were present:

    Alieke, EDSN
    Gerrit, EDSN (chair)
    Joachim, Westnetz

Kees, TenneT
Minna, Fingrid (first day)
Oscar, Svenska kraftnät
Ove, Edisys (secretary)
Stefan, Atrias
Sylvia, Westnetz

- In the project was discussed that doing the RtR updates on the BRSs apart from the scheduled maintenance work is not effective. Therefore, it was concluded to join both actions (as most of the EBG members are member of the RtR project;
- Several changes were agreed to naming of roles and domains in the BRSs:
  - o Rename Metering Point to Accounting Point;
  - o Keep the names of the Metering Point Administrator, Metering Point Administration, Metering Point Register etc.;
  - o Rename Balance Supplier and Supplier to Energy Supplier;
  - o Rename Grid Access Provider to Grid Company;
  - o Rename Transport Capacity Responsible (TCR) to Shipper (this also applies for the BRS for Change of TCR);
  - o The Header and related codes will be removed from the class diagrams in the Data View and moved to an appendix.
- The BRS for Change of Supplier was reviewed and updated. This BRS will serve as the guiding example for the review and update of the other BRSs;
- A first draft of a BRS for "Alignment of Accounting Points", i.e. for the life cycle of an Accounting Point was drafted;
- Also, the BRSs "Measure for Billing" and "Measure for Reconciliation" were reviewed and it was agreed to introduce the new role Metered Data Administrator, with the following definition:

  A party that registers and distributes validated measured data.

  - o The Metered Data Administrator can be a centralised role in a data hub. If no hub, the Metered Data Administrator and the Metered Data Responsible will normally be the same company;
  - o A consequence of the introduction of the Metered Data Administrator is that we need a new data exchange from the Metered Data Responsible to the Metered Data Administrator, which not will be dedicated to a specific process using validated measured data.

4.4   Combined grid and supply billing (new project)

Ove will distribute the project plan for the Combined grid and supply billing project to the coming ebIX® Forum meeting November 20th, 2018.

5   Review potential new projects

Ove had as action from previous meeting made a first draft of a project plan for "ebIX® project for master data for energy industry parties".

Since the project plan is not intended for presentation for ebIX® Forum before their spring meeting, the review of the draft project plan was postponed.

6   Maintenance of existing BRSs

6.1   Review of Change of Supplier and Move BRSs

Ove had as action from previous meeting, and as homework from latest RtR project meeting, updated the BRS for Change of supplier according to the latest modelling principles specified in the document "Memo - ebIX (EBG) update principles for BRSs". The document "Memo - ebIX (EBG) update principles for BRSs" have been updated with "typical updates" and uploaded to the ebIX® File Manager.

Addition of "linking a person to the MP" is part of the Move in process and are awaiting the RtR review of the Move BRS.

During the latest RtR project, a list was made of BRSs to review and RtR members were assigned to do a first review.

#	BRS	To be reviewed by
1.	Administer Customer Consent	
2.	Alignment of Area Characteristics	
3.	Alignment of characteristics for a Customer linked to a MP	
4.	Alignment of Metering Configuration Characteristics	
5.	Alignment of MP characteristics	
6.	Request change MP characteristics	
7.	Upfront request for Metering Point Characteristics	
8.	Bulk change of BRP	Gerrit
9.	Change of BRP	Gerrit
10.	Change of Metered Data Responsible	Sylvia
11.	End of Metered Data Responsible	Sylvia
12.	Change of supplier	Ove
13.	End of supply	Alieke
14.	Change of Transport capacity responsible	Gerrit
15.	Customer move	Stefan
16.	Rearrange MPs between grids	Minna
17.	Alignment of Accounting Points	Gerrit + Ove
1.	BRS for Measure Calorific Value	
2.	BRS for Measure for Labeling	
3.	BRS for Measure for Collected Data	Kees
4.	BRS for Measure for Determine Meter Read	
5.	BRS for Measure for Imbalance Settlement	
6.	BRS for Measure for Reconciliation	
7.	BRS for Measure for Billing	
8.	BRS for Settle for Reconciliation	

Conclusion:

- Review of BRSs, will be done in the RtR project. The item is closed.

6.2 QA of the MagicDraw modelling in the ebIX® BRSs

Gerrit and Kees had as actions from previous meeting discussed with Vlatka if we shall show the «MapsTo» relationship between the «BusinessPartners» and the «HarmonsedRole» in all UseCase diagrams, or only in the UseCase diagram in the chapter with the "Partner View". The conclusion was that we can do the mapping in the Business Partner View only.

The item is closed.

7 Review running and potential new surveys

7.1 Status for "High-level impact analyses regarding the General Data Protection Regulation (GDPR)."

Ove had as actions from previous meeting sent a reminder to the EBG members to fill in the survey: "High-level impact analyses regarding the General Data Protection Regulation (GDPR)", however without receiving any responses.

The document is available at the ebIX® File Manager.

Action:

- All are asked to fill in the survey.

7.2 Survey: Suppliers change within 24 hours

Ove had as actions from previous meeting sent a reminder to Austria, Poland and Sweden to fill in the last column of the survey: "Suppliers change within 24 hours". Sweden responded.

Action:

- Ove will publish the survey.

The item is closed.

7.3 Survey: Status for implementation of data hubs in the European countries

Sylvia and Joachim had as action from previous meeting cleaned up the survey according to the discussions during the previous meeting and added an example on how to fill in the survey. Thereafter, Ove had distributed the survey to EBG for a review by mail. However, so far without any responses.

The document is available at the ebIX® File Manager.

Action:

- All are asked to fill in the survey.

8 Review of the ebIX® Domain model

The ebIX® Domain Model was reviewed and updated, see "Updated ebIX® Domain Model" in Appendix B.

9 Continue modelling Customer Consent

Ove had as action from previous meeting updated the BRS, including addition of a Consent ID to all class diagrams except the Request. Definition: "The unique ID for a specific consent for one Customer, one Specific Party and one Metering Point, issued by the Consent Administrator.".

The BRS was reviewed and updated.

The latest BRS document will be available at the ebIX® File Manager.

Actions:
- Ove will update the BRS:
  - Make separate Affected Roles for each process, such as "Affected Roles for Customer Move Out" for all BRSs;
  - Rename Metering Point to Accounting Point etc. in the BRS for Customer Consent.

10 Meeting schedule

- Tuesday and Wednesday December 18th and 19th, in Berlin. Second day is a joint meeting with RtR.
  Venue:
  > RWE/innogy office Berlin
  > Friedrichstr. 95
  > 10117 Berlin

  Hotel proposal 1:
  > ApartHotel Residenz Am Deutschen Theater
  > Betreuungs- und Service GmbH
  > Reinhardtstr. 27A-31
  > 10117 Berlin
  > Tel.: +49-30-280081-0
  > Fax: +49-30-280081-999
  > Email: info@aparthotel-residenz.de
  > Internet: www.aparthotel-residenz.de
  > **RWE/innogy/Westnetz-conditions:**
  > > Juniorappart. (1-Raumappart.) €100 incl. breakfast
  > > Seniorappart. (Schlafzimmer, Wohnzimmer u. Küche getrennt) €116 incl. breakfast
  > > Both with kitchen
  > > breakfast can individually be cancelled minus €10

  Hotel proposal 2:
  > NH Hotel Berlin Mitte Friedrichstr.
  > https://www.nh-hotels.de/hotel/nh-collection-berlin-mitte-friedrichstrasse
  > For price you have to ask.
- Tuesday and Wednesday January 29th and 30th, in Sundbyberg (Stockholm);
- Tuesday and Wednesday March 19th and 20th, place to be decided.

11 AOB

11.1 Preparations for next ebIX® Forum, November 20th, 2018

There was a discussion on how to get more metering expertise into the ebIX® groups, among others this is needed for the metering processes within the RtR project.

Action:

- Gerrit will present the following topics to his EBG status presentation at the coming ebIX® forum meeting:
  - Ask ebIX® Forum members to try to get more metering expertise as members of the ebIX® working groups;
  - Inform that we have started using Accounting Points instead of Metering Point where applicable;
  - RtR has started with 9 members:
    - The project will include review (maintenance) of existing BRSs;
    - Budget; 5 project meetings in 2019 (partly joint with EBG) + homework.
  - The ebIX® Distributed Flexibility project works towards delivery of the first draft document by the end of the year:
    - It is still good participation and contribution in the project meetings;
    - It is still good external interest in the project;
    - Budget: 5 meetings in 2019, including a phase 2 of the project (sharpening and proof of concept).
  - Customer consent is expected finalised before the end of 2018;
  - Status for EBG work;
  - Combined supply and grid billing:
    - Start summer 2019;
    - 2-3 meetings in 2019.

11.2 Review of current structure of EBG and its projects

It was brought up that the current structure of EBG and its relations to its projects is not yet fully working as expected. The definitions of the projects and the progress in the projects are in general good. However, we have a feeling that we need more people, and more efficiency in the EBG meetings.

During this item, Kees reported from a meeting the day before where he, Jan, Fedder, Greta and Maurizio participated. In the meeting RTE/CENELEC tried to convince the rest of the meeting that we should use the Series class also for master data (instead of the ebIX® Event class).

Action:
- We will prepare a text on how to make the ebIX® Forum aware of what ebIX® expects of other organisations, such as ENTSO-E, and what other organisations should expect of ebIX®. Kees will make a first draft of the text (letter, memo or similar), based on a presentation held during one of the previous ebIX® Forum meetings. The text will be circulated within EBG and thereafter Kees will ask Lucy or Vlatka to present it during next ebIX® Forum meeting.

11.3 Blockchain

Kees informed that EG1 has started a discussion if blockchain can be used to simplify the data exchange in the energy market. However, none of the participants at the meeting was able to explain the advantages of using Blockchain. Kees was asked to try getting the explanation of the advantages directly from involved members of EG1.

Appendix A   EBG project and survey list

A.1   Potential projects

#	Project description	Priority	Start
A)	Review and consider submission of a MR to the HRM for Gateway and Gateway Operator. The concept is not fully defined in the German market, hence a maintenance request for additions to the HRM has been postponed until end of 2018. Roll out of Gateways generation 1 is expected to start in 2019, while the new processes are expected to start in 2020. Gateways generation 2 is expected to start after 2023.	Awaiting BDEW decision	2020?
B)	Update of "BRS for Alignment of characteristics for a Customer linked to a Metering Point" with request- and response update Customer in a MP, e.g. from Grid Access Provider, to the Balance Supplier (Party Administrator) → Party administration.	EBG task	TBD
C)	Master data for energy industry parties, such as BRPs and BSs → Master Data Parties.	New party project	Project plan to be sent to ebIX® Forum spring 2019
D)	Combined grid and supply billing (invoicing), including MD for products, such as; grid fees, grid subscriptions, etc.	New billing project	Proposal to be sent to ebIX® Forum autumn meeting 2018
E)	Efficient data alignment, including the possibility to request historical and/or future master data.	EBG must do a survey for the need of such a project	Not prioritised
F)	Request Customer Data by a third party, e.g.: • Request measured data from an ESCO or FSP to a MDR • Include Check customer consent	EBG task	To be started when Customer consent is finalised. Project plan to be sent to ebIX® Forum autumn 2019
G)	Discuss differentiation of data sets per Entitled Role when aligning master data (e.g. when referencing notification of AP master data in a BRS)	EBG task	TBD

A.2   Approved (and running) projects

#	Project	EBG members	Status	Start	End
A)	Distributed Flexibility	Gerrit, Kees, Ove	In progress	Nov 2017	Q2 2019
B)	Customer Consent	All EBG	In progress	Mar 2018	Dec 2018
C)	RtR, Role-to-Role (hub)	Gerrit, Joachim, Kees, Minna, Ove, Stefan, Sylvia	Start October 2018	Q4 2018	Q1 2020
D)	ebIX® supplier-centric grid and supply billing project	TBD	Project plan to be sent to ebIX® Forum autumn 2018	Q2 2019	Q2 2020

A.3   Surveys

#	Survey	Status	Start	End
A)	High-level impact analyses regarding GDPR	In progress	Nov 2017	
B)	Survey: Status for implementation of data hubs in the European countries	In progress	Summer 2018	Q1 2019

Appendix B   Updated ebIX® Domain Model

The ebIX® European energy market domain model includes the UseCases (phases) structuring, trade, planning, operation (production, consumption and transport), Measure (meter reading), settlement (physical and financial, including reconciliation) and billing.
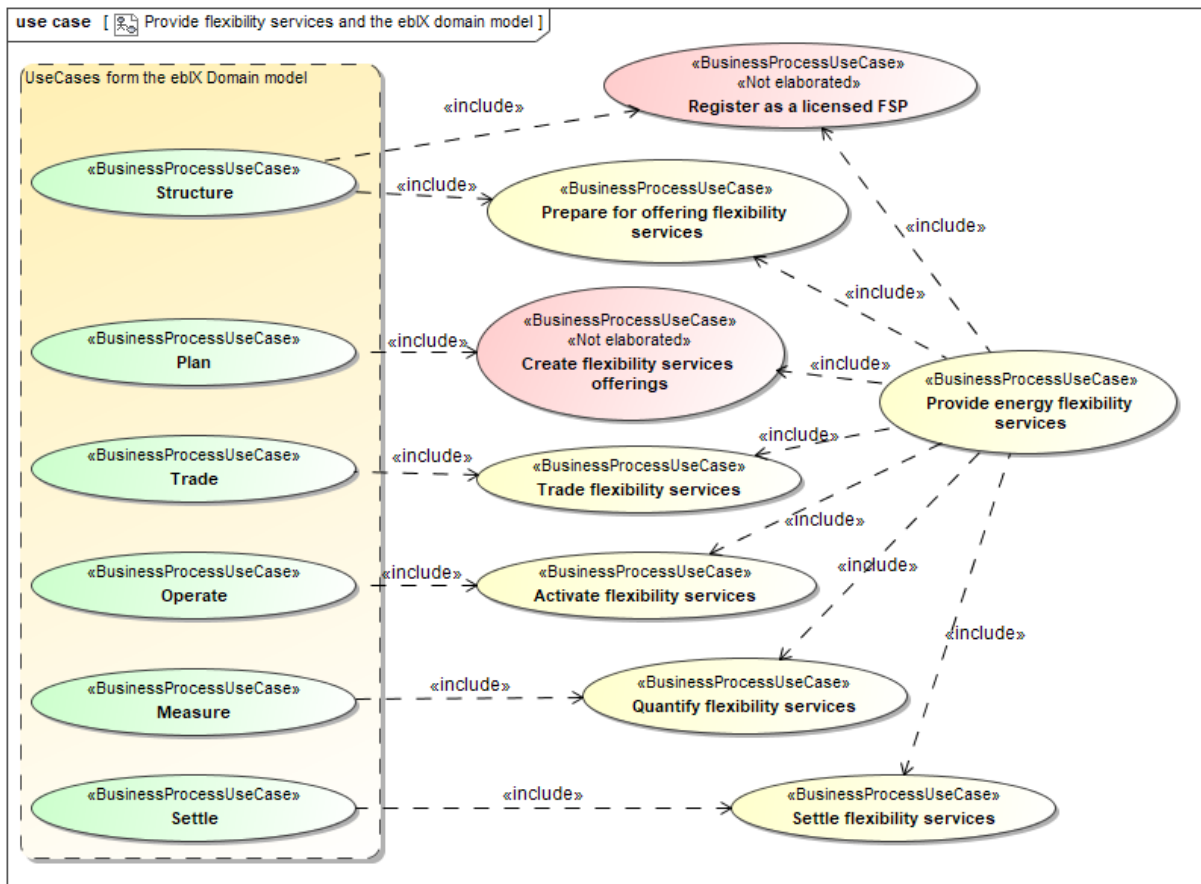

Figure 1   *UseCase: Provide flexibility services and the ebIX® Domain model*

The main activities within the ebIX® Domain model UseCases are:

Structure   Structure includes all processes where the actors define and exchange information (master data) necessary for these and later business processes.

The different parties request creation of, changes to or decommissioning of energy market business objects, such as Accounting Points, Metering Points, Meters, Contracts etc, or to its attributes. Thereafter the information related to the created, changed or deleted business object or its attributes is exchanged between relevant roles. The alignment of master data between the actors in the energy market should result in all participants having the needed information to fulfil their obligations to the market.

Plan   Plan includes all processes where the actors define and exchange forecasts, such as for consumption, production, capacity, transport, weather etc., to maintain a stable energy system and minimising business risks.

Trade   Trade includes all processes for buying and selling energy products, as fitting to business needs of the actors. Trade may be bilateral or through a Market Operator (e.g. power exchanges).

Operate Operate includes all processes for operation of the energy system by the System Operators, in response to energy flows resulting from production and consumption of energy and to balance production and consumption of energy in the energy system.

Measure Measure includes all processes from the collection, validation, aggregation and distribution of measured energy data up to, but not including, the settling and billing, processes.

Settle Settle includes all processes for agreeing between different roles on volumes and prices for delivered energy products. Settle includes imbalance settlement and reconciliation.

Bill Bill includes all processes needed for billing the debtors because of usage of energy products.