Date: Tuesday and Wednesday, March 19th and 20th, 2019
Time: 09:00 – 17:30 and 9:00 – 16:00
Place: Provinciehuis Vlaams Brabant, Leuven, Belgium
Present: Andrzej, PSE
  Gerrit, EDSN
  Grazyna, PTPiREE
  Joachim, Westnetz
  Kees, TenneT
  Kirsten, Atrias
  Ove, Edisys
  Sylvia, Westnetz
  Teemu, Fingrid
Appendix A EBG project and survey list
Attachments: None

1 Approval of agenda

The agenda was approved with the following additions:

- Terms of Reference (ToR) for the Harmonisation Group (HG), see item 13.1 under AOB;
- Harmonised Role Model for Gas, see item 13.2 under AOB;
- Feedback from TSO-DSO group (individual input, not aligned within the entire project team), see item 13.3 under AOB.

2 Approval of minutes from previous meeting

The minutes from previous meeting were approved without any discussions.

--- First day (EBG tasks) ---

3 Status and resolving possible matters of EBG administrative tasks

Action:
- Ove will ask for consent by new ebIX® ETC, EBG and Forum members.

3.1 ebIX® strategy for reporting to the Forum

The PowerPoint presentation of the ebIX® Strategy from June 2017 (see the ebIX® File Manager) was reviewed. The reason for the review was an action item from the latest ebIX® Forum meeting:

Action 2018b-02:
- ➢ To show that ebIX® makes the right choices in priorities and money spent, EBG will at each ebIX® Forum indicate what is the top three to five prioritised actions at hand (or to take up) and why these actions are in line with the ebIX® strategy.

The item is closed.

3.2 EBG statement for next ebIX® Forum regarding CIM

The reason for this item was also an action item from the latest ebIX® Forum:

Action 2018b-03:
- ➢ EBG will make a statement for next ebIX® Forum: What quality demands do we have for CIM and for using CIM in a good way for ebIX®. And what actions can we take to improve that quality.

Kees showed a presentation made for a IEC/TC57/WG16 meeting a few weeks ago. The presentation will be the basis for a presentation for the coming ebIX® Forum.

Gerrit and KEEs will make a presentation for the ebIX® Forum.

The item is closed.

3.3 Status for approval of MRs (Maintenance Requests) in HG (ebIX®, EFET and ENTSO-E Harmonisation Group)

- Consent Administrator:
  Status:
  - ➢ Approved and added to the coming version for the Harmonised Role Model (HRM 2019-01). See also item 13.3 under AOB (Feedback from TSO-DSO group (individual input, not aligned within the entire project team)).

- Party Administrator:
  Status:
  - ➢ On the HG agenda (HRM 2019-01).

- Metered Data Administrator (new proposal to be reviewed):
  Status:
  - ➢ MR to be sent to the HG – see below.

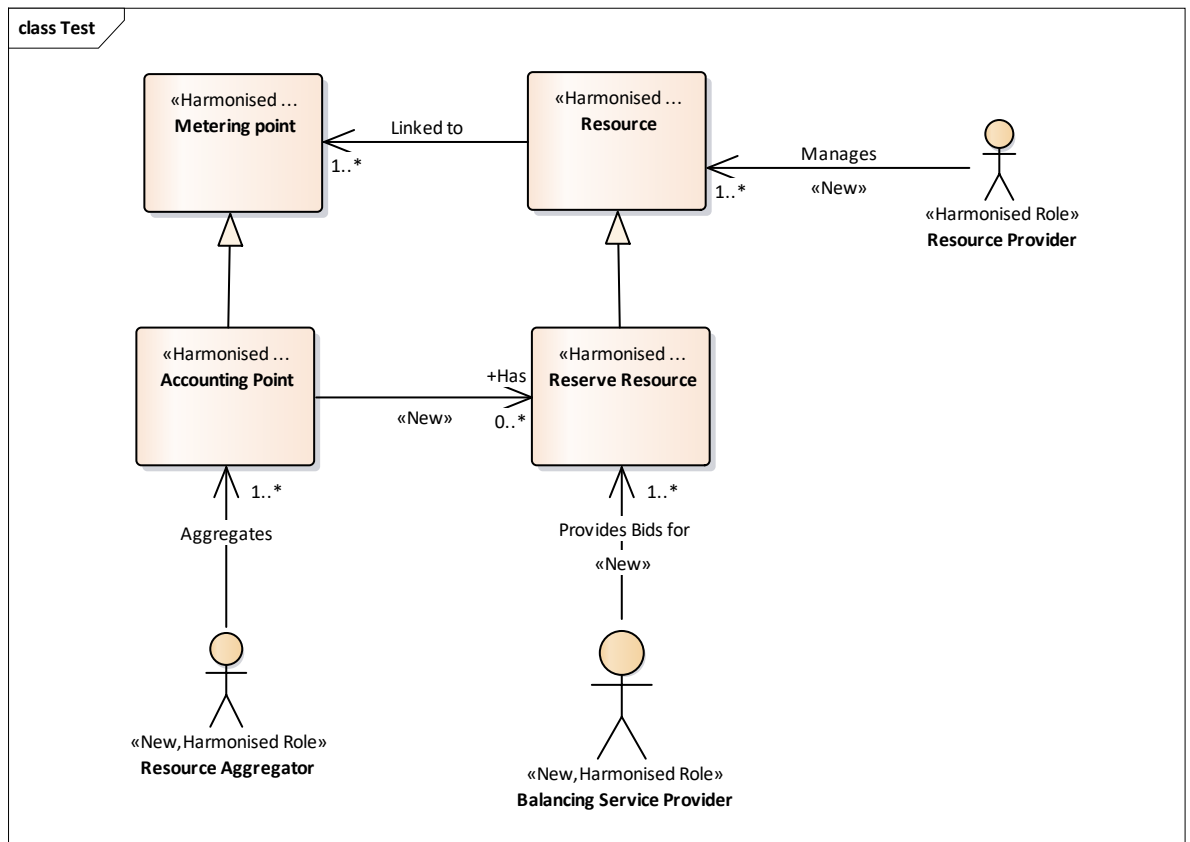- Gateway, Gateway Operator and Gateway Administrator discussion what is needed:
  Status:
  - ➢ The Gateway Administrator and the Gateway Operator will not be a market role in Germany – this will be handled by the Meter Operator;
  - ➢ The gateway is a formal domain, like a Meter, but never in the same physical object;
  - ➢ See item D) in Appendix A.

- Refining the definition of the Resource and related objects (from ebIX® Distributed Flexibility project):
  Status:
  - ➢ The proposal from ebIX® Distributed Flexibility project was accepted with a few amendments:

class Test

«Harmonised …
Metering point

«Harmonised …
Resource

Linked to

1..*

Manages

«New»

1..*

«Harmonised Role»
Resource Provider

«Harmonised …
Accounting Point

+Has

«New»

0..*

«Harmonised …
Reserve Resource

1..*

Aggregates

«New, Harmonised Role»
Resource Aggregator

1..*

Provides Bids for

«New»

«New, Harmonised Role»
Balancing Service Provider

- Area Administrator (proposed as new MR at ETC meeting November 2018):

Conclusion:
- ➢ We will make a MR together with review of BRS for Alignment of Area Characteristics.

Ove had as action from previous meeting made a first draft of a MR for Metered Data Administrator. There was a discussion related to the term Administrator, i.e. Kees proposed using the term Distributor instead. The reason is that the Administrator up to now has been used for Master Data and he would like another term for the Metered Data. The term Manager was suggested. In the end the meeting ended up with using Administrator.

Action:
- Ove will submit the MR to the HG.

3.4   How to make the ebIX® web site more interesting

The item is not on the ebIX® Forum agenda, hence the item is postponed until someone brings up the topic again.

Item closed.

3.5   Review of EBG project and survey list in Appendix A.

The EBG project and survey list in Appendix A was reviewed and the following items were removed (finalised or in progress):

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.
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.
C)	Master data for energy industry parties, such as BRPs and BSs → Master Data Parties.
E)	Request Customer Data by a third party, e.g.: • Request measured data from an ESCO or FSP to a MDR • Include Check customer consent

4   Status and resolving of possible matters from projects running under EBG responsibility

4.1   ebIX® Distributed Flexibility project

The BRS for energy flexibility services is expected to be finalised at the coming GoToMeeting March 28th.

4.2   EU Commission Smart Grid Task Force (SGTF)

The reports from EG1 and EG3 are finalised by the WGs and are awaiting approval by the steering group.

4.3   Combined grid and supply billing (new project)

The following project members are so far nominated:

1. Minna, Fingrid, Finland;
2. Oleksandr Karpenko, National Power Company "UKRENERGO", Ukraine;
3. Jurre Floors, EDSN, Netherlands;
4. Boštjan Topolovec, SODO, Slovenia.

Poland are working on finding a participant for the project, Ove will check Norway's participation and Lucy had sent the project invitation the EU commission, asking if they would like to send an observer to the project.

Action:
• All are asked to find participants for the billing project;
• Gerrit will ask ebIX® Forum if we shall start the project with this number;
• Gerrit will ask Eurelectric for participation, if approved by ebIX® Forum.

5   Review potential new projects

5.1   Final review of the project plan for "Master data for energy industry parties, such as BRPs and BSs - Master Data Parties"

The project plan can be downloaded from the ebIX® File Manager.

- Gerrit questioned if this is the right time to start such a project;
- Kees proposed to start a project for Area master data instead – this may be more needed and a better candidate for a common project with other organisations, such as ENTSO-E.

Conclusion:

- We postpone the presentation of the project plan for "Master data for energy industry parties" at the coming ebIX® Forum;
- We start by trying to get Jon-Egil Nordvik at Statnett (ENTSO-E/CIM-EG member and former chair of ETC) to contribute to the project;
- The item will be continued at the next EBG meeting.

Action:

- Kees and Ove will try to get Jon-Egil Nordvik from Statnett to contribute to a common CIM-EG and ebIX® project for Area master data.

6   Review running and potential new surveys

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

The document is available at the ebIX® File Manager.

Continued action:
- All are asked to fill in the survey.

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

Belgium, Finland, Germany, Netherlands, Poland and Sweden have answered.

Action:
- Ove will clean up the survey (remove empty rows and examples) and publish;
- Those who not yet has filled in the survey are asked to do so.

7   Status for BRS for Customer Consent

Ove had as action from previous meeting cleaned up the document. The BRS was reviewed and a final update was done.

Action:
- Ove will send the BRS to ebIX® Forum and EBG/RtR for four weeks of approval, before publication.

Item closed.

--- Second day (RtR tasks) ---

8   Request from ebIX® Distributed Flexibility Services project

ebIX® Distributed Flexibility Services project had asked EBG to:

- find a way of specifying the "linked/affected roles" in the BRSs when referencing the Notify Accounting Point Characteristics:

  Conclusion:
  - A general text that can be used in all BRS was made during the meeting.

- Add text (or similar) in the Move BRS that a move out triggers end of FSP registration in the AP:

  Conclusion:
  - A note is added to the Customer Move BRS noting: The FSP should be added as Affected Role for Move Out.

Item closed.

9   Re-introduce of the Exchange Point

Shall we re-introduce the Exchange Point as a specialisation of the Metering Point, similar to the Accounting Point? This is to handle both Accounting Points and Exchange Points in the same BRS, such as in Measure for Imbalance Settlement.

Conclusion:
- We keep the term Metering Point Administrator;
- We use the term Exchange Point in the BRS (requirements) when applicable;
- For the time being we keep using the term Metering Point in the ABIEs and map both Accounting Points and Exchange Point to the Metering Point;
- We make a MR for addition of an Exchange Point to the HRM, to be able to discuss the topic with the ENTSO-E participants in the HG.

Action:
- Ove will make a MR for addition of an Exchange Point to the HRM.

10   Shall we merge some of the Measure BRSs?

Shall we merge the Measure BRSs that collects, validates, aggregates and distributes measured data, i.e.:

- BRS for Measure for Labeling;
- BRS for Measure for Collected Data;
- BRS for Measure for Determine Meter Read;
- BRS for Measure for Imbalance Settlement;
- BRS for Measure for Reconciliation;
- BRS for Measure for Billing.

Kees informed that the BRS for Measure for Collected Data is the basic for all the other BRSs. The collected data is sent to the MDR, who validates. The first part of the BRS for Measure for Imbalance Settlement, BRS for Measure for Reconciliation and BRS for Measure for Billing defines the validation of data and this validation process could maybe be joined into one of the BRSs (or a separate BRS).

Action:
- All do the reviews as agreed earlier, se the table under the next item;

- Those who review BRS for Measure for Imbalance Settlement, BRS for Measure for Reconciliation or BRS for Measure for Billing should verify if the validation process described in these processes could be merged into one BRS. Use the validation part of the BRS for Measure for Imbalance Settlement as a reference for the verification.

11 Review of homework and agree on new BRSs to review

#	BRS	Update	Status	Review
	Structure BRSs			
1.	Administer Customer Consent		**20190320:** • Ove will send it to ebIX® Forum for approval	ebIX® Forum
2.	Alignment of Area Characteristics	Kees	To be reviewed	Common review in May
3.	Alignment of characteristics for a Customer linked to a MP	Grażyna	**20190320:** • Ove will do some updates • Thereafter, ready for final EBG review	Common review in May
4.	Alignment of Metering Configuration Characteristics	Bertil	**20190304:** • The UseCases Request Update and Request Change are added • Ready for review	Common review in May
5.	Alignment of Accounting Point characteristics	Ove	**20190320:** • Common review started	Common review in May
6.	Upfront request for Metering Point Characteristics	Alieke	Awaiting update by Alieke	
7.	Change of BRP	Gerrit	**20190320:** • Ove will do some updates • Ove will send it to ebIX® Forum for approval	ebIX® Forum
8.	Bulk change of BRP	Gerrit	**20190320:** • Ove will do some updates • Ove will send it to ebIX® Forum for approval	ebIX® Forum
9.	Change of Shipper	Gerrit	**20190320:** • Ove will do some updates • Ove will send it to ebIX® Forum for approval	ebIX® Forum

#	BRS	Update	Status	Review
10.	Bulk change of Shipper	Ove	**20190320:** • Ove will do some updates • Ove will send it to ebIX® Forum for approval	ebIX® Forum
11.	Change of Metered Data Responsible	Sylvia	**20190320:** • Ove will do some updates • Ove will send it to ebIX® Forum for approval	ebIX® Forum
12.	End of Metered Data Responsible	Sylvia	**20190320:** • Ove will do some updates • Ove will send it to ebIX® Forum for approval	ebIX® Forum
13.	Change of supplier	Ove	**20190308:** • Awaiting EG1 decision • Updated by Ove - Ready for review	Common review in May
14.	End of supply	Alieke	**20190320:** • Ove will do some updates • Ove will send it to ebIX® Forum for approval	ebIX® Forum
15.	Customer move	Stefan	**20190130:** • To be reviewed by Bertil and Gerrit	Gerrit / Bertil
16.	Rearrange MPs between grids	Minna / Teemu	**20190130:** • First update TBD	Stefan/ Grażyna
Measure BRSs				
1.	BRS for Measure Calorific Value	Stefan		
2.	BRS for Measure for Labeling	Gerrit		
3.	BRS for Measure for Collected Data	Kees		
4.	BRS for Measure for Determine Meter Read	Grażyna		
5.	BRS for Measure for Imbalance Settlement	Joachim/Sylvia		
6.	BRS for Measure for Reconciliation	Bertil		
7.	BRS for Measure for Billing	Minna / Teemu		
8.	BRS for Settle for Reconciliation	Ove (period-based profile) / Stefan (standard profile)		

Action from previous meeting:

- Ove will update the following BRSs and send them for 14 days of EBG review before approval by ebIX®
  Forum:
  - o Administer Customer Consent;
  - o Bulk change of BRP;
  - o Bulk change of Shipper;
  - o Change of BRP;
  - o Change of Shipper;
  - o Change of Metered Data Responsible;
  - o End of Metered Data Responsible;
  - o End of supply.

  Status:
  - o Ove had updated the BRSs, but submission to ebIX® Forum was postponed until after this
    meeting.

- Ove will try to find rules related to usage of dates, agreed a few years ago:

  Status:
  - o Ove had looked at the MDS and CuS minutes back to November 2015 and found one relevant
    memo: "Memo - How to model MPs Parties and Validity Date in CuS 20160809.docx" (see ebIX®
    File Manager. However, the memo doesn't say much related to inconsistent use of Start, End,
    Validity Start, Validity End etc.).

- ETC will be asked to rename the following Response Reason Description Codes:

  - o **E10**: "Metering Point …" to "Accounting Point ….";
  - o **E16**: "Unauthorised Balance Supplier" to "Unauthorised Energy Supplier";
  - o **E18**: "Unauthorised Balance Responsible" to "Unauthorised Balance Responsible Party".

  Status:
  - o Put on the ETC agenda.

- ETC will be asked to rename the following Business Role Codes:

  - o **TCR;** "Transport Capacity Responsible Party" to "Shipper";
  - o **DDQ:** "Balance power supplier" to "Energy Supplier":

  Status:
  - o Put on the ETC agenda.

- Grazyna will add the process of update Customer characteristics in the BRS for Alignment of
  characteristics for a Customer linked to an AP and thereafter Ove will update the artefacts:

  Status:
  - o Done.

- Ove will update the BRS for Alignment of Metering Configuration Characteristics, including addition of
  Request Update and Request Change, similar to how this is done in the BRS for Alignment of AP
  characteristics:

  Status:
  - o Done.

- Ove will, in all BRS:

  - o Correct the document content (info);

- o Correct the reference to ebIX® Business Requirements for Alignment of Accounting Point characteristics:

  Status:
  - o The document content (info) is updated in all BRSs;
  - o A general text that can be used in all BRS was made during the meeting.

- Ove will make a first draft of Bulk change of Shipper, Based on the BRS for Bulk change of BRP:

  Status:
  - o Done.

- Kees and Ove will discuss if Ove can do updates of the Measure Module of the ebIX® Model (during next ETC?):

  Status:
  - o Kees will try finding time to update the Measure artefacts. If impossible, Ove will do it.

During the BRS review, an explanation of "logical roles" was made:

Affected Role:	A role that is affected by the business process in question;
Entitled Role:	A role that is entitled to receive information;
Initiator:	A role initiating a process, used where there may be different market roles that can initiate the process;
Linked Role:	A role that is linked to a register, such as the Metering Point register (database).

Action:
- Ove will make an overview of what terms are used for dates (start, end, snapshot, validity start….) in all the BRS before next meeting;
- Ove will update the text related to "Notify Accounting Point Characteristics" in all BRSs;
- Since BRS Measure for collected data is a vital one, Kees is asked to finish this one as soon as possible to serve as example for other reviews.

12 Meeting schedule

- Tuesday and Wednesday June 4th and 5th, Krakow, Poland.
  - o Review how Accounting Points, parties etc. are modelled in the BRSs to see if the BRSs are aligned.
- Tuesday and Wednesday September 3rd and 4th, in Oslo.

Ove will make a Doodle poll for two more EBG/RtR meetings in the autumn.

13 AOB

13.1 Terms of Reference (ToR) for the Harmonisation Group (HG)

Gerrit has commented the ToR for the Harmonisation Group. It was agreed that this is a topic for the HG, hence not further discussed.

Item closed.

13.2 Harmonised Role Model for Gas

From Kees:

> One of the consequences of the EG1 report will most likely be the recommendation to base information exchange processes on a role model, more specifically on the HRM for E and the new gas role model.

> FYI I have attached the latest gas role model version (can be found at the ebIX File Manager).

> I send you the clean version without my remarks and comments (although I have some). For ebIX I think is most important to see how this gas role model links up with the retail processes (in this gas role model there is no metering point and no metering point administrator, or in short: no idea about master data).

> And maybe I may ask you to tell us in the upcoming EBG meeting how in The Netherlands NEDU/EDSN has managed to combine the original implementation of HRM consequences with these new gas role model requirements (assuming that we do).

Action:

- All are asked to review the Gas Role Model before next meeting. The topic will be put om the next EBG meeting agenda.

13.3 Feedback from TSO-DSO group (individual input, <u>not aligned</u> within the entire project team)

From Gerda de Jong (ENTSO-E):

I asked the parts in black, I answered for you in red (in green what my personal reply to the group was), and I added individual replies in blue:

- Remove both TSO and DSO as roles and keep them only as actors.
  - ➢ Seems to be agreed.
- Definition of the *System Operator*.
  - ➢ Agreed by some, not by all.
  - ➢ We don't agree with introducing a definition of system operator. In our opinion, this should be avoided in the interest of TSOs and a way out should be found. We propose to use grid operator for those roles in which the TSO or the DSO is accessing flexibility resources for congestion management or other grid related issues. The role and responsibility of the TSO is different from that of the DSO as DSOs do not have responsibilities in balancing other than to facilitate that units connected to their networks can be BSPs individually or through aggregation.
- Balancing part of the TSO as *LFC Operator*.
  - ➢ It should be clear that only the TSO shall be the LFC Operator. This should be a role inherently given to the TSO, no other possibilities.
- Introduce the *Resource Aggregator* instead of *Flexibility Service Provider (FSP)* and link it to service providers like the BSP.
  - ➢ In our understanding an FSP can be a BSP or CMSP. An FSP could be a single unit or an aggregator of several units and this should be clearer throughout the model. To make it clearer probably a distinction should be made between flexibility used for implicit purposes (for traders and BRPs) or explicit purposes (BSPs or CMSP).

    This part is not clear to everyone:
  - ➢ Diagram on page 2 does not indicate the link between 'Resource Aggregator' and 'BSP'. My personal reply to the group was: the *Resource Aggregator* is meant to be only an aggregator, not yet delivering any services. It can then deliver services through a BSP, BRP, trader, etc.

However, there is no such thing as a *Congestion Management Service Provider (CMSP)* yet but I made clear that, if we do it this way, that role should be added as well. Could you agree with that?

➢ 'Resource Aggregator' does not take into account that flexibility can be an <u>individual</u> unit also, not necessarily aggregator. *Resource Aggregator* doesn't take into account any flexibility at all, this happens at the service provider (BSP, BRP, trader, etc. as mentioned above). So an individual unit delivering flexibility will most likely not go through a *Resource Aggregator* then (as far as I understand it).

➢ It is balancing focussed and ignores other flexibility services. E.g. according to the diagram the reserves can be used by balancing providers only and for balancing service only. As mentioned above, the BSP is already existing, the CMSP is not. Furthermore, flexibility services could also be delivered by BRPs or traders (wholesale). The reserves are indeed used for balancing and I think it is also defined that way. If used for something else, it does not take the role of reserve. But I'll make sure this will be checked.

- Description of the customer consent.
    ➢ The proposed definition is not necessarily wrong but it should be discussed a bit more thoroughly, at least involving stakeholders who already have implemented this role in practice.
    For example, has it been considered that: (a) consents are needed for both personal data and commercial data; (b) consents concern not only meter data but also grid data, market data; (c) I'm not sure consents relate to 'accounting point' only; (d) I'm not sure consents related to 'party connected to the grid only; (e) the tasks involve others besides 'keeping the register' and 'make information available' – e.g. collect consents, remove consents, keep logs, etc?

Related to the Consent Administrator, we will answer Gerda that it is correct that consents may be given also for other areas then Accounting Points (AP), such as for party (Customer) information not connected to a specific AP, hence we will propose at the coming HG meeting to rephrase the definition to:

"A party responsible for keeping a register of consents. The Consent Administrator makes this information available on request for entitled parties in the sector."

Action:

- Ove will make a MR for the new definition of the Consent Administrator and sent it to ETC and Gerda;
- ETC will be asked to forward the MR to the HG.

Item closed.

Appendix A   EBG project and survey list

A.1   Potential projects

#	Project description	Priority	Start
A)	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
B)	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 – will be linked to "A), Efficient data alignment" task and GDPR	To be started Q3 2019
C)	Review of the usage of Determine Meter Read in all Structure BRSs	EBG task	TBD
D)	1) Making MRs to the HG for definition for and relations between Gateway, Gateway Operator and Gateway Administrator 2) Making a BRS for Gateway related stuff.		

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	Finalised	Mar 2018	Mar 2019
C)	RtR, Role-to-Role (hub)	All EBG	Start October 2018	Q4 2018	Q1 2020
D)	ebIX® supplier-centric grid and supply billing project	TBD	Approved by 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