

Minutes ETC meeting, November 27th and 28th, 2019	 European forum for energy Business Information eXchange
December 12 th , 2019	ETC – ebIX® Technical Committee

Minutes ETC meeting, November 27th and 28th, 2019

Date: Wednesday and Thursday November 27th and 28th, 2019
Time: 09:00 – 18:00 and 09:00 – 15:30
Place: Edisys' offices in Oslo
Present: Fre, TenneT
Jan, EDSN
Jan, Svenska kraftnät
Kees, TenneT
Ove, Edisys
Appendixes: **Appendix A**, MRs for WG16
Appendix B, Update request for ebIX® xml schemas 2010.B from Slovenia
Appendix C, Proposed/agreed changes to the ebIX® Business Information Model 2019.A
Appendix D, Update of ebIX® profile after meeting May 15th
Appendix E, Suggestions for handling renaming MP-terms into AP-terms
Attachment: ETC workplan (see ebIX® file manager at <https://filemanager.ebix.org/#>)

1 Approval of agenda

The agenda was approved with the following additions:

- Interim period for ebIX® migration to CIM, see item 5.3;
- Should we introduce the Constraint Service Provider in the Harmonised Role Model (HRM)? See item 6.2;
- Some comments to the HRM 2020-01 from EBG, see item 6.3;
- ENTSO-E Energy Trader proposal for new role code, see item 6.4;
- Update request for ebIX® xml schemas 2010.B from Slovenia, see item 12.1 under AOB;
- Direction, see item 12.2 under AOB.
- Problems with TT (Eclipse), see item 12.3 under AOB.

2 Minutes from previous meeting

The minutes from previous meeting was approved without comments.

3 Review of ETC workplan

The workplan can be found at the ebIX® File Manager.

The workplan was reviewed, but not updated. This agenda point will be put at the bottom of the next agenda, to be able to update it when we know what we have achieved during the meeting.

4 EBG BIMs

Ove had as action from earlier meetings drafted the following BIMs:

1. Change of MDR:
 - o ebIX_MessageBusinessInformationEntities_RequestChangeOfMDR_2016pA.xsd and ebIX_MessageDataType_RequestChangeOfMDR_2016pA.xsd – and all other similar schemas are still 2016. I think this must be changed in the ebIX®:org profile.
 - o Ready for review.

Conclusion:

- o The BIM was reviewed, corrected and approved;
 - o Ove will upload the BIM to a new package at the ebIX® File Manager “BIMs approved by ETC”.
2. Alignment of characteristics for a Customer linked to an AP:
 - o The Business Choreography View is ready for review, but Ove was missing «ABIE»s and associations, such as:
 - «ABIE» Customer Identity/«BBIE» ID Type and its association to «ABIE» Customer Party;

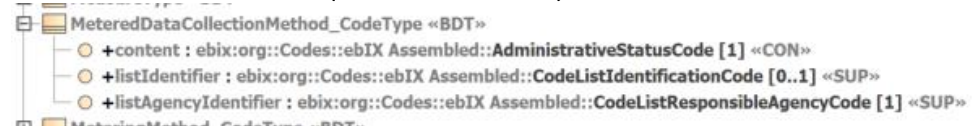
Conclusion:

- o The «ABIE» Customer Identity/«BBIE» ID Type and its association to «ABIE» Customer Party, and some of the associations were added to ebIX® model.
 - o At the next meeting we will finalising the associations not yet added:
 - Association from «ABIE» Customer Party to «ABIE» Contact;
 - Association from «ABIE» Customer Party to «ABIE» Domain Location (AP);
 - Association from «ABIE» Customer Party to «ABIE» Metering Point Address;
 - Association from «ABIE» Customer Party to «ABIE» Communication;
 - Association from «ABIE» Contact «ABIE» Communication;
 - Association from «ABIE» Communication to «ABIE» Communication Preference;
3. Change of TCR:
 - o The BIM is ready for review.
 4. Alignment of Metering Configuration Characteristics:
 - o The Business Choreography View is ready for review, but Ove had some questions regarding the Business Information View:
 - How to map Snap Shot Date?
 - Most of the attributes in Meter, Register, Conversion factor, Placement Information and Gateway are missing.
 - We miss a Role Code for ESCO.
 -

5. Alignment of AP Characteristics:
 - o Notify AP Characteristics:
 - We must remove Voltage Level, Pressure Level and Physical Status Type from «ABIE» AdministrativeMeteringPoint_Characteristic.
 - The Capacity of AP Measurement Unit in AP Physical Characteristics and Contracted Connection Capacity Measurement Unit in AP Administrative Characteristics are currently mapped to the Energy Product Characteristics Quantity Unit, which requires a Product Code, but since we also use the Energy Product Characteristics in the Reconciliation Information with several Product Types this seems a bit strange (six different Product Types instead of one;

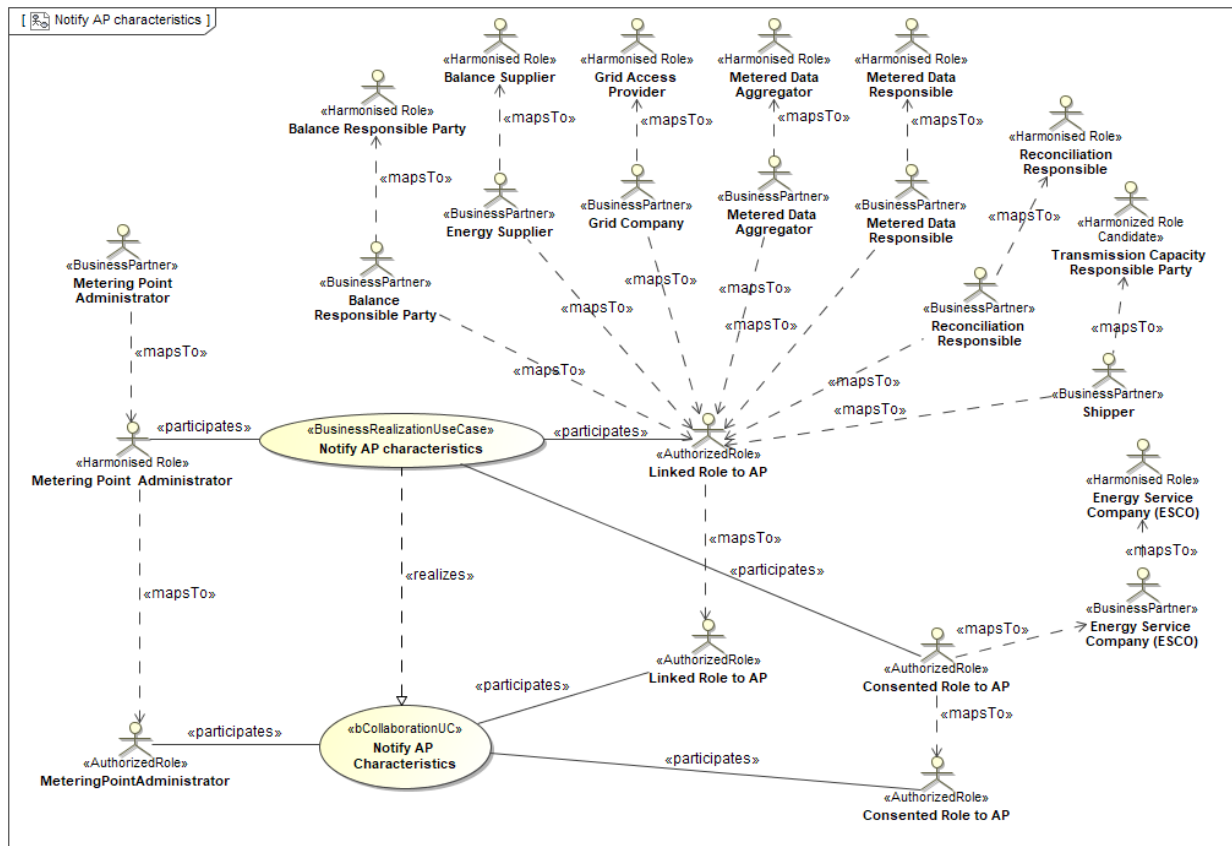
Connection Capacity). Should we add MeasurementUnitCommon_CodeType to unitCode in «BDT» MeasureType instead?

- Where to map the Capacity of the Accounting Point (in «ABIE» PhysicalMeteringPoint_Characteristic)?
- The content of the MeteredDataCollectionMethod_CodeType should be MeteredDataCollectionMethodCode (from ebIX® Original) and not AdministrativeStatusCode (from ebIX® Subset)



- Missing a «BBIE» for MGA Name.
- o Request AP Characteristics:
 - How to map Initiator ID?
- o Reject Request AP Characteristics:
 - Ready for review.
- o Request Change AP Characteristics from GAP:
 - Same comments/questions as for Notify MP Characteristics
- o Request Change AP Characteristics from BS:
 - Missing the ID Scheme Type Code + the Reference code qualifier (CEFACT) + the Assembled ID Scheme Type Code (Kees' homework).
- o Request Creation of new AP
 - Missing an association for GAP from MP_Event to Energy Party
 - Missing an association from MP_Event to MP Address
 - Document Name Code is missing for all connection documents (Create, Connect, Disconnect and Decommission)
 - The Reason Code should be reviewed for all connection documents (Create, Connect, Disconnect and Decommission)
- o Confirm Request Creation of new AP
 - Missing an association for GAP from Response_Event to Energy Party

After the review of “BIM for change of MDR” and “BIM for Alignment of characteristics for a Customer linked to an AP”, it was discussed how to handle the «Authorised Role» in the Business Realization View for Linked Roles, Initiation Roles etc. It was agreed to model the Linked Roles, Initiation Roles etc. according to the UC diagram below:



Action:

- Ove will add a footnote to the UC diagram in the Align AP characteristics BIM explaining the principle, i.e. used when using combined roles such as Initiation Role or Linked Role.

5 Resolve ebIX®/IEC issues

5.1 Status addition of Event class

Kees had as action made some diagrams to be used in a MR for adding Event class(es?) to basic CIM.

Jan (SE) and Kees gave a report from the WG16 meeting the week before, including showing several presentations. The presentations can be found at the ebIX® File Manager.

However, the creation of an Event class is still pending.

5.2 Status for MRs to WG16, see Appendix A

Jan (SE) presented the status for MRs to WG16 and informed that he will submit the MR for a Market Evaluation Point Characteristic class soon, after having discussed a few issues with Jean Luc. The MRs can be found at the ebIX® File Manager.

5.3 Interim period for ebIX® migration to CIM

Priorities:

1. Find a generic solution for measure data based on CIM, including:
 - a) Imbalance settlement
 - b) Billing data between Metered Data Responsible/Administrator and Energy Supplier
 - c) Alignment with My Energy Data

i.e. based on the current ebIX® BRSs for validated- and aggregated data. And, publish it as ebIX® BIMS.
2. Finalising MR for Event class

Conclusion:

- We will start by making an example, by making a CIM based validated data document based on the current ebIX® BRS for validated data, using CIM ContexTtor.
- We will start at the ETC meeting in January
- We will continue and prepare a presentation for ebIX® Forum on ETC meeting in February.

6 Resolve HG issues

6.1 Status for new project for alignment of Area configuration

Nothing new.

6.2 Should we introduce the Constraint Service Provider in the Harmonised Role Model (HRM)?

From the latest ebIX® Forum minutes:

8 Report from ETC, HG and IEC (Jan)

...

During the related discussion, David asked if it is time to introduce the Constraint Service Provider in the Harmonised Role Model.

Decision:

- The ebIX® members in the HG will open a discussion in the HG if we should add the Constraint Service Provider in the Harmonised Role Model (HRM).

Conclusion:

- Ove will ask David for more background information and how mature the role is, before ETC decide to bring it to the HG.

6.3 Some comments to the HRM 2020-01 from EBG

What to do with these?

1. Is it correct to use “metered” in Metered Data Administrator, but “measured” in the definition?

Metered Data Administrator:

A party responsible for storing and distributing validated measured data.

Conclusion:

- EBG will propose for ETC that ebIX® will suggest for the HG to keep “Metered” in role names, but change to “Measured” in all definitions, to be in line with the term used in the network codes.
2. Should we rephrase the definition of the Balance Responsible Party:

A Balance Responsible Party is responsible for its imbalances, meaning the difference between the energy volume physically injected to or withdrawn from the system **on behalf of the BRP** and the final nominated energy volume **by the BRP**, including any imbalance adjustment within a given imbalance settlement period.

Conclusion:

- EBG will propose for ETC that ebIX® will suggest for the HG to review the definition based on Gerrit’s proposal above. As now, one could read that the BRP is responsible for any energy in the system.
3. Should we update the definition of Energy Supplier:

An Energy Supplier supplies electricity to or takes electricity from a Party Connected to the Grid at an Accounting Point.

Additional information:

~~There is only one Energy Supplier for each Accounting Point.~~ **An Accounting Point can only have one Energy Supplier at a point in time.** *(When this is written in HG/HR it should be rephrased, as this can be read as ‘only one supplier for all AP’s)*

In case there are additional suppliers, the Energy Supplier delivers/takes the difference between measured production/consumption and the (accumulated) contracts with other suppliers. *(This contradicts the previous statement: rephrase or skip - Rephrase could be: “When additional suppliers are needed the ES....” - But there are other solutions!?!)*

Conclusion:

- EBG will propose for ETC that ebIX® will suggest for the HG to review the definition based on Gerrit’s proposal above.

A proposal for a new definition of an AP was drafted at the latest EBG meeting:

The administrative entity where responsibilities (roles) are linked to parties and energy exchange is established.

EBG action:

- Kees and Ove will forward the new proposal for AP definition to ETC for possible submission to HG.

Due to lack of time the item was postponed.

6.4 ENTSO-E Energy Trader proposal for new role code

Due to lack of time the item was postponed.

Nothing new.

8.1 New settlement method code for Nordic Balance Settlement

Code	Name	Description
Z01	Flex settled	Consumption or production from small continuously read Accounting Points

list	
Settlement Method Code (SettlementMethodCode)	
Name	Code Name
E01	Profiled
E02	Non profiled
E15	Non-profiled netted

Settlement method / Målepunkt afregning	Angivelse om målepunktet afregnes som timeafregnet eller afregnes med skabelon. E15 angiver et nettoafregnet anlæg.	SG6/CCI C240 7037 (R): E02 Settlement method C240 3055 (R): 260 Ediel Nordic Forum	an..3
		SG 6/CAV C889 7111 (R): E01 Skabelonafregnet E02 Timeafregnet E15 Timeafregnet, netto C889 3055 (R): 260 Ediel Nordic Forum	an..3

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Code	Name	Description
E15	Non-profiled netted with special rules	Metering Accounting point with both consumption and/or production with special settlement rules.

Conclusion:

- The NMEG proposal was agreed, however with “settlement” kept in the Description.
- Kees will updated the ebIX® model.
- Ove will update the Code List.

Item closed.

8.2 Use of XOR in combination with cardinalities

Due to lack of time the item was postponed.

8.3 Review of DMRs for new role codes need from UN/CEFACT

Kees had as action made a set of DMRs to UN/CEFACT for codes for the roles that are missing. The DMRs has been approved by UN/CEFACT.

Item closed.

8.4 Usage of states for Request/Response patterns in Measure BRs

Kees had as action asked Christian Huemer if it is possible to replace the current activity diagrams in the Business Requirement View with a simpler diagram showing document flows (more readable for the business people). However, Christian did not have any better way of showing the flows, and he was not against removing the states if we think that is better. Unless anyone comes up with a better way of showing the flows, we continue as we currently do.

Item closed.

8.5 Continue review and update of version 2019.A

During the first meeting day the homework from previous meeting was resolved, see item 4, point 2, i.e.:

- Addition of ID Scheme Type Code + the Reference code qualifier (CEFACT) + the Assembled ID Scheme Type Code.
- Kees and Ove had as action verified with EBG if we can rename “ID Scheme : IDSchemeTypeCode” to “ID Type : IDTypeCode” – This is OK.
- Addition of tagged values to the Contact ABIE.

Due to lack of time, the review of proposed updates in Appendix C, Appendix D and Appendix E was postponed.

9 Upgrade of MagicDraw from version 18.2 to 18.5 or 19.0

Conclusion:

- We upgrade to MD version 19.0

10 Code lists from Magic Draw model in Word format

Due to lack of time the item was postponed.

11 Next meetings

- Wednesday and Thursday January 8th and 9th, 2020, TenneT's offices in Arnhem, the Netherlands.
- Wednesday and Thursday February 19th and 20th, 2020, EDSN offices in Amersfoort.
- Wednesday and Thursday March 25th and 26th, 2020, BDEW's offices in Berlin.
- Wednesday and Thursday May 13th and 14th, 2020, Svenska kraftnät's offices in Sundbyberg (Stockholm).
- Tuesday and Wednesday June 23rd and 24th, 2020, To be agreed.

All meeting starts 09:00 the first day and end at 16:00 unless otherwise explicitly stated.

12 AOB

12.1 Update request for ebIX® xml schemas 2010.B from Slovenia

See mail exchange in Appendix B.

Conclusion:

- Ove will send a mail to Slovenia informing that ETC is against publishing a formal revision of the 2010.B xml schemas. ETC suggest that Slovenia uses a later version (Ove will verify if the problem is solved in 2014 version), where the problem is solved. The alternative is changing the 2010.B version according to Ove's suggestion, but then it will NOT be published at the ebIX® web site. However, we can offer to change the 2010.B version for them.

Item closed.

12.2 Direction

From Jan (NL):

In the Netherlands we have a requirement to registrate the amount of electricity which has been feed into the grid or get from the grid at a local metering point. We already have the characteristics for the direction of energy flow (FlowDirection as specified in CIM).

In the ebIX model we have the direction specified for exchange metering point by the InArea_Used and OutArea_Used. For the local metering point the characteristics production and consumption is used:

2.10.2. Direction

ebIX® models provide the opportunity to specify the directions explicitly:

- for exchange metering points by specifying the in- and/or out-area;
- for local metering points by specifying the type of metering point (production or consumption)
- at least one attribute has to be specified (either out area or in area)

In case the direction is only specified implicitly, the convention for signs used to specify the direction (also for combined metering point type):

- For metering grid areas: the direction is always defined relative to the specified (own) metering grid area
 - a flow out of the own metering grid area is indicated as – (minus) according to ETSO³-ebIX® convention and as 1 according to the OBIS-convention (Austria, Germany and Switzerland according to IEC-standard)
 - a flow into the own metering grid area is indicated as + (plus) according to ETSO-ebIX® convention and as 2 according to the OBIS-convention (Austria, Germany and Switzerland according to IEC-standard)

In my opinion, all this doesn't fit the Dutch requirement. What we require is:

Feed into the grid=own production - own consumption. If negative, then 0.

Get from the grid=own consumption - own production. If negative, then 0.

Do you have an advice for terminology for 'Feed into the grid' and 'Get from the grid'?

A short discussion shows that the normal way (at least for the countries present) is using the Metering Point Type as either Production or Consumption and the Production/Consumption is interpreted as "Netted Production/Consumption". If Gross Production is needed, separate meters are installed.

Item closed.

12.3 Problems with TT (Eclipse)

Ove reported that Eclipse, which is a central part of the TT (Transformation Tool), stopped working a few weeks earlier. A hypothesis is that this is due to new licence rules for Java from Oracle.

Action:

- Kees will investigate why Eclipse no longer will start.

Appendix A MRs for WG16

MR #	ebIX® element	To do	Definition
MRs related to new class MarketEvaluationPointCharacteristic			
ebIX® 2019/1	Market Evaluation Point Characteristic	Add a new MarketEvaluationPointCharacteristic class	The relevant administrative characteristics of a Market Evaluation Point.
ebIX® 2019/2	Balance Group ID	Add new association from MarketEvaluationPoint class [0..1] to the Domain class [0..1], where the association end name at the Domain side is BalanceGroup	
ebIX® 2019/3	Type of Accounting Point	Add marketEvaluationPointType attribute (string) to the MarketEvaluationPointCharacteristic class	A code specifying the direction of the active energy flow in this Market Evaluation Point, such as consumption, production or combined.
ebIX® 2019/4	Metering Method	Add new meteringMethod attribute (string) in the MarketEvaluationPointCharacteristic class [0..1]	A code specifying how the energy volumes are established for this Market Evaluation Point, such as continuous- non-continuous- or not-metered.
ebIX® 2019/5	Settlement Method	Add new settlementMethod attribute (string) in the MarketEvaluationPointCharacteristic class [0..1]	A code specifying how the energy volumes are treated for settlement for this Market Evaluation Point, such as profiled or non-profiled.
ebIX® 2019/6	Scheduled Meter Reading Date	Add new scheduledMeterReadingDate attribute (string) in the MarketEvaluationPointCharacteristic class [0..1]	The indication of when the regular meter reading is scheduled.
ebIX® 2019/7	Meter Reading Periodicity	Add new meterReadingPeriodicity attribute (string) in the MarketEvaluationPointCharacteristic class [0..1]	The length of time between the regular meter readings.
ebIX® 2019/8	Metered Data Collection Method	Add new meteredDataCollectionMethod attribute (string) in the MarketEvaluationPointCharacteristic class [0..1]	A code specifying how a Metered Data Collector collects data from the Meter for this Market Evaluation Point, such as Automatic or Manually.
ebIX® 2019/9	Grid Agreement Type	Add new gridAgreementType attribute (string) in the MarketEvaluationPointCharacteristic class [0..1]	Specification of type of grid contract, such as if the contract is directly between the Grid Company and the Grid Customer, or through the Energy Supplier.

MR #	ebIX® element	To do	Definition
MRs related to new class MarketEvaluationPointCharacteristic			
ebIX® 2019/10	Administrative Status	Add new administrativeStatus attribute (string) in the MarketEvaluationPointCharacteristic class [0..1]	A code specifying whether (or not) the Market Evaluation Point is part of the imbalance settlement.
ebIX® 2019/11	Contracted Connection Capacity	Add new contractedConnectionCapacity attribute (string) in the MarketEvaluationPointCharacteristic class [0..1]	Quantitative information about the capacity of the connection that is contracted for the Market Evaluation Point.
ebIX® 2019/12	Contracted Connection Capacity Measure Unit	Add new contractedConnectionCapacity MeasureUnit attribute (uncefactUnitCode) in the MarketEvaluationPointCharacteristic class [0..1]	The unit of measure used for the Contracted Connection Capacity.
ebIX® 2019/13	Disconnection Contract	Add new disconnectionContract attribute (Boolean) in the MarketEvaluationPointCharacteristic class [0..1]	Disconnection Contract indicates if there is a contract at the Market Evaluation Point for disconnection as a result of the demand side management or the load management for this Market Evaluation Point. The element is Boolean and used for both gas and electricity.
ebIX® 2019/14	Energy Label	Add a new EnergyLabel class	A class indicating the origin of the energy produced at this Market Evaluation Point
ebIX® 2019/15	Energy Label	Add new association from MarketEvaluationPointCharacteristic class [0..1] to the EnergyLabel class [0..*]	
ebIX® 2019/16	Technology	Add new technology attribute (string) in the EnergyLabel class [0..1]	An indication of the technology of the energy production, or part of the energy production, that is potentially fed into the grid at this Market Evaluation Point. It is advised to use code from the AIB-EECS-FS05 code list.
ebIX® 2019/17	Fuel	Add new fuel attribute (string) in the EnergyLabel class [0..1]	An indication of the fuel used for the energy production, or part of the energy production, that is potentially fed into the grid at this Market Evaluation Point. It is advised to use code from the AIB-EECS-FS05 code list.

MR #	ebIX® element	To do	Definition
MRs related to new class MarketEvaluationPointCharacteristic			
ebIX® 2019/18	Metering Grid Area	Add new association from MarketEvaluationPoint class [0..1] to the Domain class [0..1], where the association end name at the Domain side is MeteringGridArea	A Metering Grid Area is a physical area where consumption, production and exchange of (electrical) energy can be metered. It is delimited by the placement of meters for period measurement (continuous metering) for input to, and withdrawal from the area. It can be used to establish the sum of consumption and production with no period measurement (profiled Market Evaluation Point s) and network losses.
ebIX® 2019/19	Identification	Use mRID attribute in the Domain class	The unique identification of the Metering Grid Area to which this Market Evaluation Point belongs.
ebIX® 2019/20	MGA Name	Use name attribute in the Domain class	The name, in clear text, of the Metering Grid Area.
	Aggregated Reception Station	Add new association from MarketEvaluationPoint class [0..1] to the Domain class [0..1], where the association end name at the Domain side is AggregatedReceptionStation. Remark: The ARS is expected to be replaced by the CVA, hence to be deprecated from the ebIX® business requirements and NOT to be added to CIM.	An administrative entity that represents one or more reception (and distribution) stations for gas (which are physical installations). This entity functions as the exchange point between grids where calorific value and volumes are established.
	Identification	Use mRID attribute in the Domain class. Remark: The ARS is expected to be replaced by the CVA, hence to be deprecated from the ebIX® business requirements and NOT to be added to CIM.	The unique identification of the Aggregated Reception Station to which this Market Evaluation Point belongs.
ebIX® 2019/21	Calorific Value Area	Add new association from MarketEvaluationPoint class [0..1] to the Domain class [0..1], where the association end name at the Domain side is CalorificValueArea	A Calorific Value Area is a predefined set of Market Evaluation Points for which the same established calorific value is applied.
ebIX® 2019/22	Identification	Use mRID attribute in the Domain class	The unique identification of the Calorific Value Area to which this Market Evaluation Point belongs.

MR #	ebIX® element	To do	Definition
MRs related to additions to the class Usage Point			
	Connection Status	Already there; Use connectionState attribute in UsagePoint	State of the usage point with respect to connection to the network.
	Disconnection Method	Already there; Use disconnectionMethod attribute in UsagePoint	Is an indication of how the usage point is physically connected or disconnected.
	Capacity of the Accounting Point	Already there; Use physicalConnectionCapacity attribute in UsagePoint	Quantitative information about the maximum physical capacity of the connection for the UsagePoint.
ebIX® 2019/23	Capacity of the Accounting Point Measure Unit	Add an association from the UsagePoint class [0..1] to the Unit class [0..1] where the association end name at the Unit side is CapacityUsagePointMeasureUnit	The measure unit used for the capacity of the UsagePoint. For gas the maximum capacity for the Accounting Point is given in m ³ /hour, usually determined by the physical constraints of the (nozzles in the) Meter.
ebIX® 2019/24	Number of phases	Add new numberOfPhases attribute (integer) in the UsagePoint class [0..1] Remark: We have noted the phaseCode, but it is not clear how it serves our purpose.	The number of phases in the UsagePoint, either 1 or 3.
ebIX® 2019/25	Current limitation	Add new currentLimitation attribute (CurrentFlow) in the UsagePoint class [0..1]	The current limitation, i.e. maximum current or fuse size, for the UsagePoint in Ampere.
	Current limitation Measure Unit	Implicit given by the data type (CurrentFlow), which always is Ampere	The measure unit used for the current limitation, i.e. Ampere
ebIX® 2019/26	Voltage Level	Add new voltageCategory attribute (string) in the UsagePoint class [0..1] Remark: In Europe a category (high, medium, low...) is used.	A code specifying the voltage category of the grid to which the installation of the UsagePoint is connected.
ebIX® 2019/27	Pressure level	Add new pressureCategory attribute (integer) in the UsagePoint class [0..1] Remark: In Europe level (high, medium, low...) is used,	A code specifying the gas pressure in the grid to which the installation of the UsagePoint is connected.
ebIX® 2019/28	MarketEvaluationPointCharacteristic	Add new association from MarketEvaluationPoint class [0..*] to the MarketEvaluationPointCharacteristic class [0..*]	

Appendix B Update request for ebIX® xml schemas 2010.B from Slovenia

From Andraž, Borzen, SI

I have a question regarding implementation of ebIX standard.

We have been using standard ebIX 2010B for many years. We are now developing new software for data exchange for imbalance settlement, however we keep the standard ebIX 2010B. The new application will be using 15-minute ISP from 2021 and we have encountered a problem with the standard in this respect. The XSD scheme defines that IntervalEnergyObservation allows only three digits for Position, therefore the positions greater than 999 are invalid. The xml check therefore fails with the error: "The 'un:unece:260:data:EEM-AggregatedDataPerMGAForSettlementForSettlementResponsible:Position' element is invalid - The value '1000' is invalid according to its datatype 'un:unece:260:data:EEM-AggregatedDataPerMGAForSettlementForSettlementResponsible:OrdinalType_000123' - The TotalDigits constraint failed."

I kindly ask you for help on this. As far as I checked the latest standard it still Position to OrdinalType_000123, therefore it still limits the position number to 999 or am I wrong?

Does 2014A standard correct this? How could we circumvent this within 2010B?

Reply from Ove:

The easy solution is to manually correct the "totalDigits" to 4 (or the maximum number of digits you want) in the schema documents\AggregatedDataPerMGAForSettlementForSettlementResponsible\ebIX_BusinessData_Type_2010pB.xsd, i.e.:

```
<!-- ===== -->
<!-- ==== OrdinalTypeType ==== -->
<!-- ===== -->
<xsd:simpleType name="OrdinalType_000123">
  <xsd:restriction base="xsd:integer">
    <xsd:totalDigits value="34"/>
  </xsd:restriction>
</xsd:simpleType>
```

If we should do a more "correct solution", I suggest we discuss it during our next ETC meeting, November 27th and 28th. Unless Kees has some better ideas.

Reply from Kees:

I cannot verify this at the moment in the original files. But I think I see the datatype limited to 3 positions. Some time ago, I don't remember exactly when, but for sure later than 2010, we decided in ETC to remove limits from the datatypes and if we thought a limit was needed, this limit was going to be specified in the xml-schema for the specific document (and thereby allowing for different limits for different purposes).

So we will have:

1. to remove the limit for the ordinal type (if still present in the recent XML-schema's);
2. see whether a limit is needed at all in this case
3. and if the answer is yes define the limit in the document.

Question for Andraž: do want to have a limit, or do you prefer to leave a limit out in this case?

We have to remove the limit if we want to exchange data on a 15-minut scale. I checked again in the XML shema 2014A and if I was reading right, OrdinalType Type has only restriction to be integer.

From Andraž, Borzen, SI

One possibility is then to change the limit of OrdinalType Type to 4, however I think it would be better to publish an “improved” XML schema's 2010.B if it is possible for ebIX, since moving to a higher standard would require greater effort of all involved parties and at the same time we would like to use the published unchanged standard. Is this something that ebIX would be able to do?

We use the next two sets of shemas:

- AggregatedDataPerMGAForSettlementForSettlementResponsible
- AggregatedDataPerNeighboringGridForSettlementForSettlementResponsible

It would be however good to leva the limit out in all of the shemas of 2010B.

Appendix C Proposed/agreed changes to the ebIX® Business Information Model 2019.A

C.1 UN/CEFACT DMR

- 1) Verify that addition of an ASCC between the ACC Event and the ACC Address is on the list of ebIX® changes to UN/CCL

Status 20190424:

- Postponed

C.2 General question for later elaboration

Can we remove the Document Name Code from the ebIX® models?

Status:

- The question will be kept for later elaboration

C.3 BRS for Request Change grid responsibility

- a) ETC is asked to find Document Name codes for:
 - Request change grid responsibility;
 - Response change grid responsibility;
 - Notify change grid responsibility;
- b) And Business Reason codes for Change grid responsibility.

C.4 Requests from EMD

- a) How to represent the exchange of calorific value in ABIEs

C.5 General model updates

- a) Replace the ACCs, BCCs etc. in the current CEFACT Profile with the “CEFACT Profile_Recast.mdzip” from Belgium and add generalisation from the “ebIX® assembled code list” to the related Belgian code list, received from Thibaut.
- b) Make the usage of “Time of Use” and “Meter Time Frame” consistent
 - Check what is agreed with IEC in the TR
 - Check what is the significance of “Time of Use”/“Meter Time Frame” in the proposal from Atrias
 - Make the ebIX® model (Business requirements view and BIES) in line with the Atrias proposal
- c) At previous meeting, the ABIE MeteringPoint_Characteristic was split into AdministrativeMeteringPoint_Characteristic and PhysicalMeteringPoint_Characteristic. Due to this change, both the MDS and the EMD part of the ebIX® model must be corrected. Ove had corrected the MDS part, but noted that also the EMD document “Mapping Validated Data for Labeling for Certificate Issuer” needs to be corrected.

Homework 20190612:

- Kees will review the “BRS for Validated Data for Labeling for Certificate Issuer” and prepare a discussion for ETC.
- d) Clean up of not used national enumerations

«ABIE» AdministrativeMeteringPoint_Characteristic	
«BBIE»+MeteringPoint_Type	ebix:org::BDT::MeteringPointType_CodeType
«BBIE»+MeteringMethod_Type	ebix:org::BDT::MeteringMethod_CodeType
«BBIE»+SettlementMethod_Type	ebix:org::BDT::SettlementMethod_CodeType
«BBIE»+GridConnectionContract_Type	ebix:org::BDT::GridAgreementTypeDescription_CodeType [0..1]
«BBIE»+Tax_Type	ebix:org::BDT::CodeType [0..1]
«BBIE»+AdministrativeStatus_Type	ebix:org::BDT::Administrative_Status_CodeType [0..1]
«BBIE»+ContractedConnectionCapacity_Value	ebix:org::BDT::MeasureType [0..1]
«BBIE»+ScheduledMeterReading_Date	ebix:org::BDT::DateTimeType [0..1]
«BBIE»+MeterReadingFrequency_Duration	ebix:org::BDT::DurationType [0..1]
«BBIE»+StandardLoadProfile_Type	ebix:org::BDT::StandardLoadProfile_CodeType [0..1]
«BBIE»+MeteredDataCollectionMethodCode_Type	ebix:org::BDT::MeteredDataCollectionMethod_CodeType [0..1]
+MeteringGridArea_Used	ebix:org::ABIE::Domain_Location [0..1]
+BalanceGroup_Used	ebix:org::ABIE::Domain_Location [0..1]
+ContractedConnectionCapacity_Included	ebix:org::ABIE::Product_Characteristic [0..1]
+AggregatedReceptionStation_Used	ebix:org::ABIE::Domain_Location [0..1]
+CalorificValueArea_Used	ebix:org::ABIE::Domain_Location [0..1]
+Labelling_Included	ebix:org::ABIE::Generation_Characteristic [0..*]
«BBIE»+PhysicalStatus_Type	
«BBIE»+VoltageLevel_Type	
«BBIE»+PressureLevel_Type	

e) In the file generic\ebIX_ValidatedDataForBillingEnergy_2016pA.xsd I read

```

xsd:schema xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:rsm="un:unece:260:data:EEM" ...

and later

<xsd:element name="ValidatedDataForBillingEnergy"
type="crs:ValidatedDataForBillingEnergyType"/>...

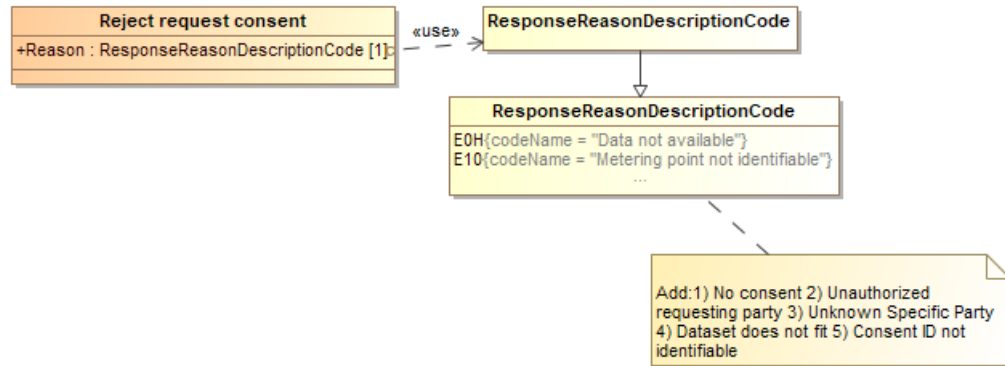
<xsd:element ref="crs:Header" minOccurs="0" maxOccurs="1"/>

```

The namespaces doesn't match. Should be "rsm" or "crs" in both places, not different.

C.6 Code request from EBG

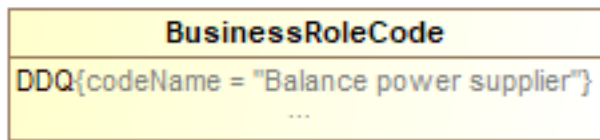
- 1) For all Reason codes, change (added at ETC meeting 20190212):
 - Balance Supplier to Energy Supplier;
 - Metering Point to Accounting Point.
- 2) Add remining Reason codes, ref BRS for Customer consent:
 - a. Dataset does not fit
 - b. Consent ID not identifiable



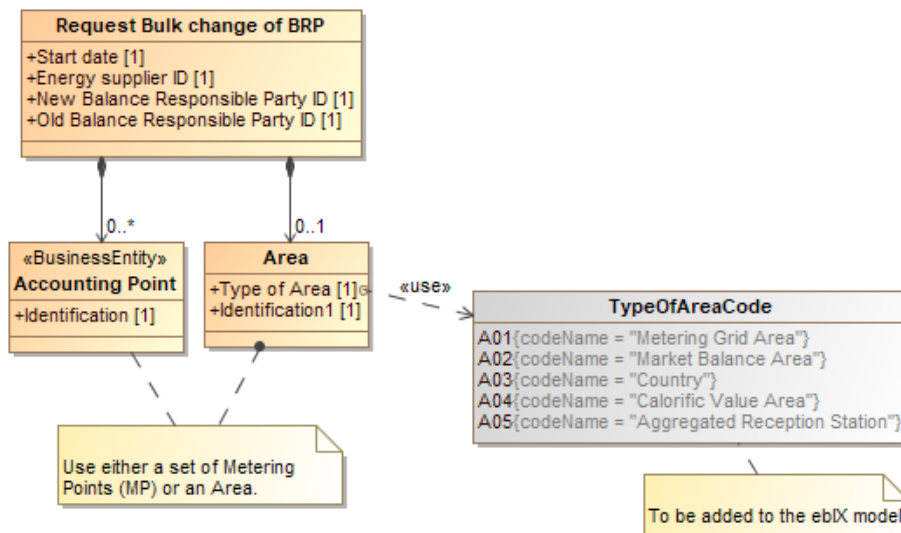
- 3) ETC will be asked to rename the following Response Reason Description Codes:
 - E10: "Metering Point ..." to "Accounting Point"
 - E16: "Unauthorised Balance Supplier" to "Unauthorised Energy Supplier"
 - E18: "Unauthorised Balance Responsible" to "Unauthorised Balance Responsible Party"
- 4) ETC will be asked to rename the Business Role Code Transport Capacity Responsible Party to Shipper:



- 5) For ETC: Can we rename Balance power supplier to Energy Supplier?



- 6) Add a Type of Area code, ref BRS for Bulk change of BRP:

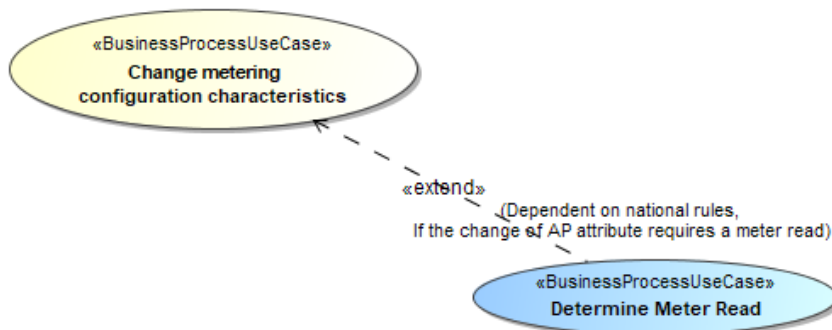


- 7) New Document Name Codes
 - a. Request consent

- b. Response request consent
 - c. Notify consent
 - d. Termination of consent
 - e. Notify withdrawal of consent
 - f. Request termination of consent
 - g. Response request termination of consent
 - h. Request withdrawal of consent
 - i. Response request withdrawal of consent
 - j. Notify termination of consent
 - k. Request valid consent
 - l. Response request valid consent
- 8) New Business Reason Codes
 - a. Consent administration
 - b. Change of Shipper
- 9) New Document Name Codes
 - a. Specific Party

C.7 «extend» request from EBG

- 1) Add an extension from UC “Change metering configuration characteristics” to “Determine Meter Read”;
- 2) Add an extension from UC “Bulk change of BRP” to “Determine Meter Read”;
- 3) Remove one out of two extensions from UC “Bulk change of Shipper” to “Determine Meter Read”.



C.8 New codes from Sweden

1. In 6.1.1.2 in the (soon) published code list I find the list of Swedish “Document Name Code”. A new code will be used now in April 2019: **S08** Accepted bids. (We are using this code in UTILTS messages sent in Operation phase. Earlier we have just used UTILTS in the metering and settlement phases.)

C.9 Codes without a code name

1. All codes without a code name should be deprecated.

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language codes

eOriginal eENr	eSubst eENr
LanguageCode (codeLanguageIdentifier = "T" codeName = "LanguageCode" status = "draft" UNCL = "1" versionIdentifier = "100-2" versionIdentifier = "10 1 A") 001 (codeName = "Czech") 002 (codeName = "Danish") 003 (codeName = "Dutch") 004 (codeName = "German") 005 (codeName = "French") 006 (codeName = "Finnish") 007 (codeName = "Norwegian") 008 (codeName = "Polish") 009 (codeName = "Portuguese") 010 (codeName = "Danish") 011 (codeName = "Swedish") 012 (codeName = "Czech") 013 (codeName = "Danish") 014 (codeName = "Finnish") 015 (codeName = "Norwegian") 016 (codeName = "Polish") 017 (codeName = "Portuguese") 018 (codeName = "Danish") 019 (codeName = "Swedish")	LanguageCode (codeLanguageIdentifier = "20" codeName = "LanguageCode" origin = PartyUnderCode originCodeLanguageID = 8 status = "draft" versionIdentifier = "100000" versionIdentifier = "10 1 A") 001 (codeName = "Czech") 002 (codeName = "Danish") 003 (codeName = "Dutch") 004 (codeName = "German") 005 (codeName = "French") 006 (codeName = "Finnish") 007 (codeName = "Norwegian") 008 (codeName = "Polish") 009 (codeName = "Portuguese") 010 (codeName = "Danish") 011 (codeName = "Swedish") 012 (codeName = "Czech") 013 (codeName = "Danish") 014 (codeName = "Finnish") 015 (codeName = "Norwegian") 016 (codeName = "Polish") 017 (codeName = "Portuguese") 018 (codeName = "Danish") 019 (codeName = "Swedish")

associated

eOriginal eENr	eSubst eENr
QuantityQualityCode (codeLanguageIdentifier = "20" codeName = "QuantityQualityCode" status = "draft" UNCL = "1000" versionIdentifier = "100000" versionIdentifier = "10 1 A") 001 (codeName = "As is") 002 (codeName = "Normalised to zero degrees Celsius and 1013,25 mbar") 003 (codeName = "As is") 004 (codeName = "Normalised to zero degrees Celsius and 1013,25 mbar and corrected for density value to Groningen quality") 005 (codeName = "Automatically rejected") 006 (codeName = "Copied from previous parcel") 007 (codeName = "Registered between parcels")	

eOriginal eENr	eSubst eENr
DocumentNameCode (codeLanguageIdentifier = "20" codeName = "DocumentNameCode" status = "draft" UNCL = "1000" versionIdentifier = "100000" versionIdentifier = "10 1 A") 001 (codeName = "Start of supply", only used by = 200) 002 (codeName = "Cancellation of supply", only used by = 200) 003 (codeName = "Notice of meter data change", only used by = 200) 004 (codeName = "Overview of fuel locations", only used by = 200) 005 (codeName = "Overview of new locations", only used by = 200) 006 (codeName = "Overview of active locations", resp. role = 200, only used by = 200) 007 (codeName = "Master data metering point", resp. role = 200) 008 (codeName = "Master data meter", resp. role = 040, status = deprecated) 009 (codeName = "Master data, balance responsibility", resp. role = 200, only used by = 200) 010 (codeName = "Request for Master data, metering point", resp. role = 200) 011 (codeName = "Updated Master Data from Grid Company to Balance supplier", resp. role = 000, only used by = 000, 200) 012 (codeName = "As is") 013 (codeName = "Validated Master data (new series), quantity per parcel", resp. role = 000, only used by = 000, 200) 014 (codeName = "As is") 015 (codeName = "As is") 016 (codeName = "Request for metered data", resp. role = 000, only used by = 000, 200) 017 (codeName = "Schedule", resp. role = 000, only used by = 200) 018 (codeName = "Response to schedule", resp. role = 000, only used by = 200) 019 (codeName = "As is") 020 (codeName = "As is") 021 (codeName = "Master data Customer") 022 (codeName = "As is") 023 (codeName = "Master data for profiling", resp. role = 000, only used by = 200) 024 (codeName = "Aggregated metered data for profiling metering points to Balance responsible party", resp. role = 000, only used by = 200) 025 (codeName = "Aggregated metered data for reconciliation for metering points to the Reconciliation responsible party", resp. role = 000, only used by = 200) 026 (codeName = "Reconciliation volume", resp. role = 000) 027 (codeName = "Request according to German market rules", only used by = 200) 028 (codeName = "Exchange of correction factor for profiled data", resp. role = 000, only used by = 200) 029 (codeName = "Aggregated metered data for verification of reconciliation", resp. role = 000, only used by = 200) 030 (codeName = "Collection data, from metered data collector", resp. role = 000) 031 (codeName = "Aggregated metered data from the metered data aggregator", resp. role = 000) 032 (codeName = "Aggregated metered data to Balance supplier", resp. role = 000, only used by = 200) 033 (codeName = "As is") 034 (codeName = "Start of a contract according to German market rules", only used by = 200) 035 (codeName = "End of a contract according to German market rules", only used by = 200) 036 (codeName = "Master data, transport responsibility", resp. role = 000, only used by = 200) 037 (codeName = "As is") 038 (codeName = "Request master data metering configuration", resp. role = 040) 039 (codeName = "Request metered data", resp. role = 000, only used by = 200) 040 (codeName = "List of IP allocated to Balance Responsible", resp. role = 000, only used by = 200) 041 (codeName = "Request to Meter administrator (MA) for change in Meter-ID", resp. role = 040) 042 (codeName = "Response from Meter administrator (MA) for change in Meter-ID", resp. role = 040) 043 (codeName = "Master data metering configuration", resp. role = 040) 044 (codeName = "Notification from the metering point administrator", resp. role = 000) 045 (codeName = "Request to Grid access provider for change in Grid access contract-ID", resp. role = 000) 046 (codeName = "Response from Grid access provider for change in Grid access contract-ID", resp. role = 000) 047 (codeName = "Notification from Grid access provider to concerned parties for changes in Grid access contract-ID", resp. role = 000) 048 (codeName = "Start of providing a supply in the name of the new balance supplier", resp. role = 000, only used by = 200) 049 (codeName = "As is") 050 (codeName = "End of providing a supply in the name of the new balance supplier", resp. role = 000) 051 (codeName = "As is") 052 (codeName = "As is") 053 (codeName = "As is") 054 (codeName = "As is") 055 (codeName = "As is") 056 (codeName = "Processability Error Report") 057 (codeName = "Request regarding planned quantities", resp. role = 000, only used by = 200) 058 (codeName = "Response regarding planned quantities (Confirmation/Rejection)", resp. role = 000, only used by = 200) 059 (codeName = "Request change IP characteristics", resp. role = 000) 060 (codeName = "Response request change IP characteristics", resp. role = 000) 061 (codeName = "Change request Meter Address", resp. role = 040) 062 (codeName = "Confirmation/Rejection of change meter address", resp. role = 040) 063 (codeName = "Change request Fuel bus attributes", resp. role = 000, only used by = 200) 064 (codeName = "Confirmation/Rejection of change fuel bus attributes", resp. role = 000, only used by = 200) 065 (codeName = "Change fuel bus attributes", resp. role = 000, only used by = 200) 066 (codeName = "Validated metered data, meter stand", resp. role = 000) 067 (codeName = "Validated metered data, time series", resp. role = 000) 068 (codeName = "Request regarding Cancellation", resp. role = 000) 069 (codeName = "Response regarding Cancellation (Confirmation/Rejection)", resp. role = 000) 070 (codeName = "Usage Information", resp. role = 000) 071 (codeName = "Information for Meter", resp. role = 000) 072 (codeName = "Request for Unrelated Data", resp. role = 000) 073 (codeName = "Request for Validated Metered Data", resp. role = 000) 074 (codeName = "Request for Aggregated Metered Data", resp. role = 000) 075 (codeName = "Notification from Reconciliation Settlement Responsible", resp. role = 000) 076 (codeName = "Notification from Reconciliation Settlement Responsible", resp. role = 000) 077 (codeName = "Request for Cancellation", resp. role = 000) 078 (codeName = "Cancellation of notification") 079 (codeName = "Request master data Customer") 080 (codeName = "Request update IP characteristics", resp. role = 000) 081 (codeName = "Response request update IP characteristics", resp. role = 000)	

Appendix E Suggestions for handling renaming MP-terms into AP-terms

