Minutes ETC meeting, September 25th and 26th, 2019

Date: Wednesday and Thursday September 25th and 26th, 2019
Time: 09:00 – 17:00 (18:00?) and 09:00 – 15:30
Place: Antwerp
Present: Fre, TenneT
Jan, EDSN
Jan, Svenska kraftnät
Kees, TenneT
Ove, Edisys
Appendixes: **Appendix A,** MRs for WG16
Appendix B, Proposed/agreed changes to the ebIX® Business Information Model 2019.A
Appendix C, Update of ebIX® profile after meeting May 15th
Appendix D, 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:

- How to add methods into CIM, see item 4.3;
- UncefactUnitCode in CIMDatatypes, see item 4.4;
- Presentation of ebIX®/IEC liaison status, see item 4.5;
- Actions from latest HG meeting, see item 5.3;
- Resolve issues from latest ebIX® Forum, see item 12.1 under AOB;
- New settlement method code for Nordic Balance Settlement, see item 12.2 under AOB.

2 Minutes from previous meeting

The minutes from previous meeting were approved.

3 Review of ETC workplan

The ETC workplan was reviewed and the dates for the three first items were updated. The dates for update of BIMs was postponed. See ebIX® File Manager.

4 Resolve ebIX®/IEC issues

4.1 Status My Energy Data

Nothing new.

Item closed.

4.2 Status addition of Event class

The intention is making a MR for WG16 (with a copy to Greta - similar to what we did under the next item, 4.3) for the three Event classes we currently have in the ebIX® model. It must be decided if we will keep having three Event classes or if they can be combined in any way or if other existing basic CIM classes may be used. The starting point should be the TR, but with updates according to the latest ebIX® model/BRSs.

***Action**:*

- Kees will make diagrams to be used in a MR for adding Event class(es?) to basic CIM.

4.3 How to add methods into CIM

Jan (SE) informed that he intends to write MRs to ESMP, regarding how to handle "Methods" like Settlement Method and Metering Method and showed a presentation related to the usage of methods in CIM (see ebIX® File Manager). The conclusion was to ask for a separate MethodType class in basic CIM (IEC 62325-301) that may be used for settlement method, metering method etc.

In addition, it was drafted a set with additional MRs, such as a new MarketEvaluationPointCharacteristics class with other characteristics of our Metering Points (also for basic CIM (IEC 62325-301)).

Since it became MRs for basic CIM and not ESMP, the MRs will be sent directly to WG16 for their meeting in Brussels in November, with a copy to Greta.

The agreed MRs can be found in Appendix A.

A cover-letter for the MRs was also drafted, based on a draft proposal from Jan (SE):

> *Some general background to the set of suggested changes to CIM.*
>
> In Chapter 4.2.2 in the EG1 report *Towards Interoperability within the EU for Electricity and Gas Data Access & Exchange* it is suggested to use a reference information model. See
>
> https://ec.europa.eu/energy/sites/ener/files/documents/eg1_main_report_interop_data_access.pdf.
>
> ebIX® is suggesting that the basic CIM model (IEC 62325-301 etc.) can be this reference information model. This requires that the model contains enough semantic information reflecting the information that we are having and are supposed to exchange between the actors in the European energy market.
>
> For example, when it in regulations or other requirements is described to have and distribute information regarding the object Metering Grid Area, that object should be found in basic CIM. Perhaps with another name, but through mapping tables or similar to be uniquely identified with Metering Grid Area from the Business requirements. It would not be sufficient to just have a single Domain in the basic CIM. However, in this example, it could be the existing class Domain that corresponds with the Metering Grid Area and that the association role name from another class, like TimeSeries, to Domain, has the name MeteringGridArea. Note: since it is the basic CIM model that is supposed to be the reference information model and contain the relevant semantic information, it is not the ESMP that is supposed to add this kind of association role name.
>
> In general, a study is suggested to be done if not several of the "domains" found in the Harmonised Electricity Role model should be found as separate classes or association role names

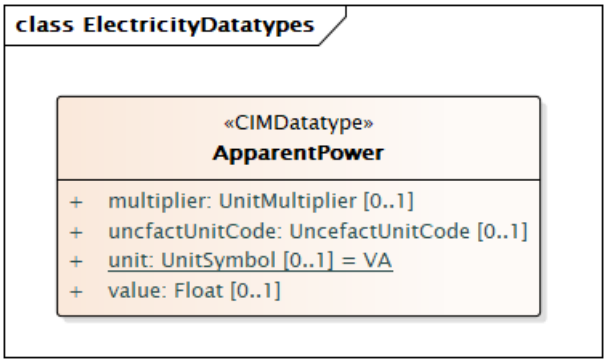
in basic CIM, like Bidding Zone, Scheduling Area etc. – then basic CIM can become the reference information model we want it to be.

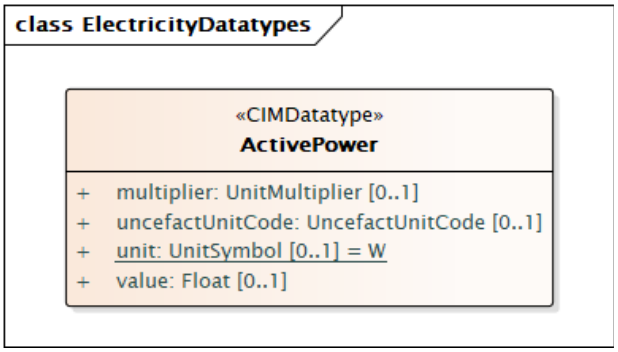
Action:

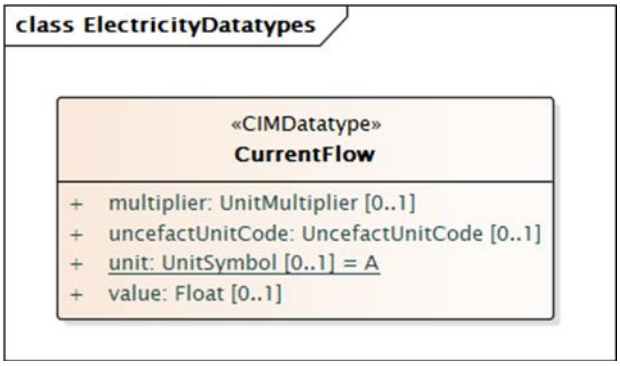
- Jan (SE) will make class diagrams showing the updated CIM and send the MRs and related cover-letter to WG16 with a copy to Greta.

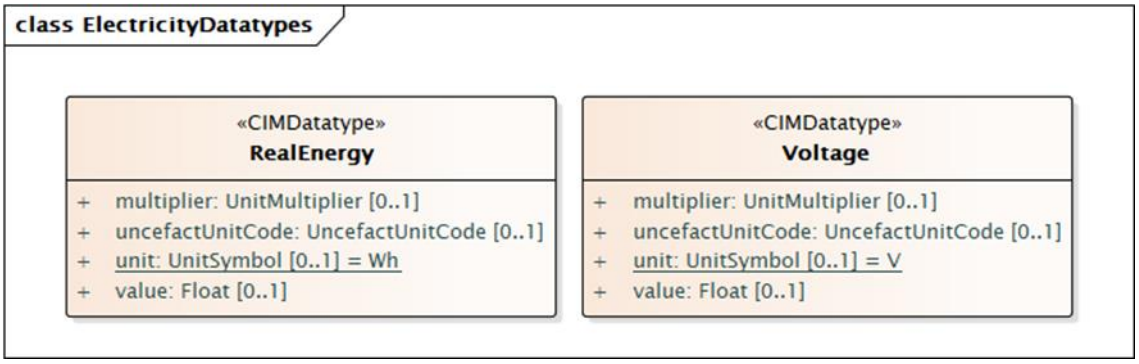
4.4 UncefactUnitCode in CIMDatatypes

During the WG16 telco meeting 19th of September one item was the removal or change of UncefactUnitCode to String in all CIMDatatypes from classdiagram ElectricityDatatypes:

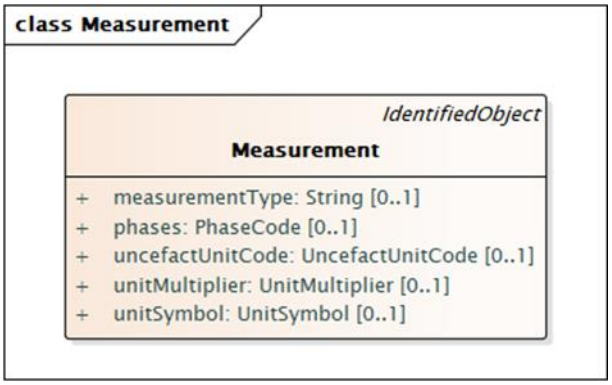








And also, in the class Measurement:



During the telco Greta told that the attribute uncefactUnitCode is not used within ESMP. Jean-Luc suggested that we might keep it, but then change the datatype to String.But: Is there a need to keep the attribute?

Jan promised to bring that up in ebIX® ETC, and that we should reply to WG16 (Becky) before the next Thursday meeting.

If kept, it will be changed to a String. But do we need the attribute? If not, can the current ENTSO-E way of specifying the unit be used also for the metered values we are sending?

See also "Copy of Extract from combined-CIM-issues-2016-01-20.xlsx" and "2019-09-19-Modeling-Team-Meeting-Mintues.docx" at the ebIX® File Manager.

Conclusion:

- ETC suggest removing the uncefactUnitCode from IEC61970/Base/Domain and instead use an association to the Unit class from IEC62325/MarketManagement.
- Jan (SE) informed IEC during the meeting.

Item closed.

4.5 Presentation of ebIX®/IEC liaison status

Dr. Heiko Englert, Secretary IEC/TC57, had asked Vlatka for a brief status report on the IEC/ebIX® liaison for the next TC57 plenary meeting.

An ebIX®/IEC status presentation was drafted and sent to Vlatka for forwarding to IEC (see ebIX® File Manager).

Item closed.

5 Resolve HG issues

5.1 Status for new and updated roles from ebIX®

For information, the following are agreed in the HG (ebIX® EFET and ENTSO-E Harmonisation Group) for publication in version 2020-01:

- The Party Administrator and Metered Data Administrator are approved by the HG.
- The Exchange Metering Point has been re-introduced, however renamed to Exchange Point.

- The Balance Supplier has been renamed Energy Supplier.
- The definition of Consent Administrator, Resource Aggregator, Balance Responsible Party, Accounting Point has been updated.

Item closed.

5.2 Status for new project for alignment of Area configuration

It was agreed at the ebIX® Forum meeting the day before that Lucy and Vlatka will contact Jon-Egil from Statnett to align the proposal and try to get it on the next CIM EG meeting in October. Hence, we await a response form CIM EG.

5.3 Actions from latest HG meeting

All HG members were at the previous HG meeting asked to investigate if we still need the specialisations of the BRP (Consumption Responsible Party, Production Responsible Party, Trade Responsible Party and Interconnection Trade Responsible Party) and if yes, to review the definitions.

From the related discussion:

- ebIX® would like to keep the Production, Consumption and Trade Responsible Parties.
- We see no need for the Interconnection Trade Responsible Party – this should be up to ENTSO-E to decide.
- The definition of the Trade Responsible Party should be reviewed by EFET.
- We would like to harmonise the definition of the Production and Consumption Responsible Parties with the new definition of the Balance Responsible party:

  The definition of Production Responsible Party should be updated to:

  > A Production Responsible Party is responsible for its imbalances, meaning the difference between the energy volume physically injected to the system and the final nominated energy volume, including any imbalance adjustment within a given imbalance settlement period.
  >
  > **Additional information:**
  >
  > This is a type of Balance Responsible Party.

  The definition of Consumption Responsible Party should be updated to:

  > A Consumption Responsible Party is responsible for its imbalances, meaning the difference between the energy volume physically withdrawn from the system and the final nominated energy volume, including any imbalance adjustment within a given imbalance settlement period.
  >
  > **Additional information:**
  >
  > This is a type of Balance Responsible Party.

All HG members was also asked to review the Trader and its relations, such as:

- Should we link the Trader to the Party Connected to the Grid instead of the AP?
- What is the relation between the Trader and the Trade Responsible Party?
- Should the Block Energy Supplier be reintroduced?

The conclusion was that ebIX® would like to have EFET's view on the Trader relations.

Item closed.

6 Status for harmonisation of the electricity and gas role models

The EU commission has been asked by ebIX® to help in the harmonisation of the electricity and gas markets role models. They are positive, but we are still awaiting a response.

7 ebIX® Business Information Model 2019.A

7.1 Use of XOR in combination with cardinalities

Continued action:

- Kees will make a proposal for update the "ebIX® introduction to Business Requirements and Information Models" with a chapter explaining the relationship between cardinalities and OR/XOR, including:
    - XOR and cardinality of [1] lead to a required choice in the XML schema;
    - XOR and cardinality of [0..1] lead to an optional choice in the XML schema.

7.2 Re-introduce of the Exchange Point

Based on the result of discussions in the HG, shall we rename Metering Point to Accounting Point and introduce Exchange Point in the ebIX® module?

Conclusion:

- For the time being we keep the term Metering Point in the ebIX® profile.

Item closed.

7.3 Should it be one «Business Partner» per UseCase?

At a previous ETC meeting it was decided to make one package for each BRS in the Partner View. Ove has started to structure the Structure part of the model accordingly.

Item closed.

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

Action:

- Kees will make a set of DMRs to UN/CEFACT for codes for the roles that are missing (see list below). The DMRs will be submitted to the coming UN/CEFACT meeting in October 2019.

Role	Definition
Balancing Service Provider	A party with reserve-providing units or reserve-providing groups able to provide balancing services to one or more LFC Operators.

Consent Administrator	A party responsible for keeping a register of consents for a domain. The Consent Administrator makes this information available on request for entitled parties in the sector.
Energy Service Company (ESCO)	A party offering energy-related services to the Party Connected to Grid, but not directly active in the energy value chain or the physical infrastructure itself. The ESCO may provide insight services as well as energy management services.
Resource Aggregator	A party that aggregates resources for usage by a service provider for energy market services.
Resource Provider	A role that manages a resource and provides production/consumption schedules for it, if required.

7.5 Usage of states for Request/Response patterns in Measure BRSs

At the EBG meeting beginning of June, there was a discussion about the states to be used in the Measure BRS. It was agreed that notification patterns should have the state “Exchanged”, even if we use “Notified” in the Structure BRSs. For Request/Response and Request/Confirm patterns, we use “Request exchanged”, “Request rejected” and “Request confirmed” in the Structure BRSs. However, in the Measure BRSs the state “Exchanged” has been used for Request/Response patterns, both for the request and the negative response (Request/Confirm patterns are not used). It was agreed to raise the question of what state to use for Request/Response patterns in Measure BRSs in ETC.

It was noted that the activity diagrams in the BRSs are showing states and not document flows, however most of the readers of the BRSs reads it as document flows. Kees volunteered to bring the question to Christian Huemer at the coming UN/CEFACT meeting in London (in October), i.e. is it possible to replace the current activity diagrams with a simpler diagram showing document flows instead.

Action:

- Kees will ask Christian Huemer at the coming UN/CEFACT meeting in London (in October) if it is possible to replace the current activity diagrams in the Requirement View with a simpler diagram showing document flows (more readable for the business people).

7.6 Continue review and update of version 2019.A

Proposed updates, with the status after latest GoToMeetings, are found in Appendix B, Appendix C and Appendix D.

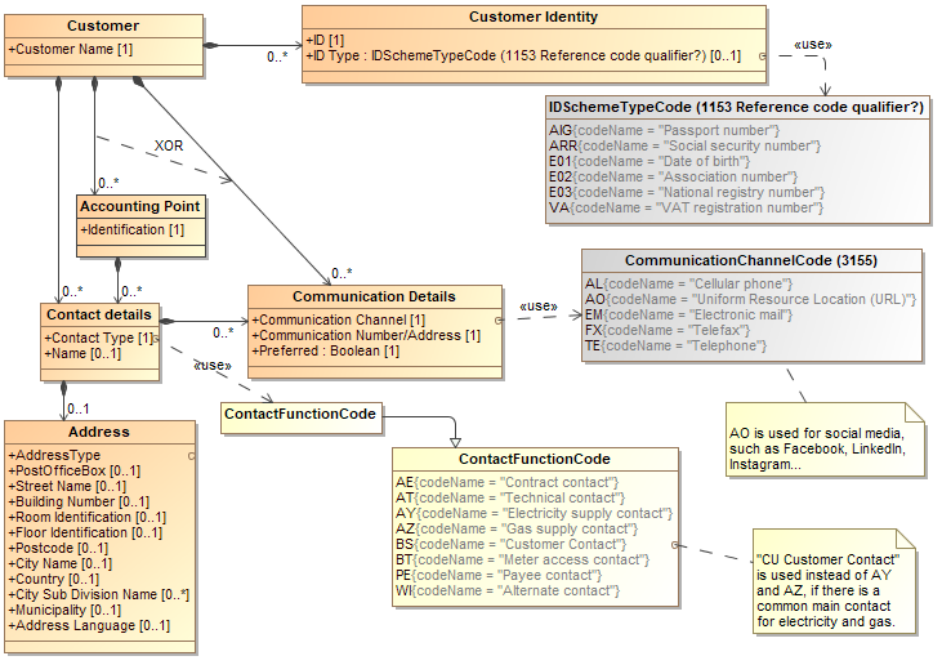
The following questions was postponed:

- All code lists without a code name will be deprecated:
  - How to deal with deprecated codes in the Word code list?
  - How to deal with “used by”?
  - How to deal with national customisation of codes – do we need a rule stating that national codes should avoid an “E” as a prefix?

ETC propose to rename “ID Scheme : IDSchemeTypeCode” to “ID Type : IDTypeCode” – This will be verified with EBG.

Action:

- Kees will as homework add the ID Scheme Type Code + the Reference code qualifier (CEFACT) + the Assembled ID Scheme Type Code.



- Kees and Ove will verify EBG if they agree to rename "ID Scheme : IDSchemeTypeCode" to "ID Type : IDTypeCode".
- Kees will add tagged values to the Contact ABIE.

8 Upgrade of MagicDraw from version 18.2 to 18.5 or 19.0

The item was postponed.

9 EBG BIMs

Due to lack of time, the item was postponed. The item will be moved higher up on the next agenda. Ove: Put on top of next agenda.

10 Code lists from Magic Draw model in Word format

Due to lack of time, the item was postponed.

11 Next meeting(s), including start and end time.

- Wednesday and Thursday November 27th and 28th, 2019, Edisys' offices in Oslo.
- Wednesday and Thursday January 8th and 9th, 2020, TenneT's offices in Arnhem, the Netherlands.
- 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, EDSN offices in Amersfoort.

12 AOB

12.1 Resolve issues from latest ebIX® Forum

The ebIX® members in the HG was asked to open a discussion in the HG if we should add the Constraint Service Provider in the Harmonised Role Model (HRM)? However, due to lack of time the item was not discussed.

Item closed.

12.2 New settlement method code for Nordic Balance Settlement

The NBS needs a new Settlement method code:

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

The code is intended used for smaller Accounting Points that are continuous read, but settled more seldom than most, e.g. monthly.

However, there is already a code available with a definition that may suit:

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

The problem with the code **E15** is the name where the term “netted” is used.

Addition of the code was postponed until we have a better explanation of the code **E15**.

Action:

- Jan (NL) will investigate the usage in the Netherlands.
- Ove will ask Stefan (BE) if **E15** is used in Belgium and if so, how.

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.

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

B.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

B.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

B.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.

B.4 Requests from EMD

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

B.5 General model updates

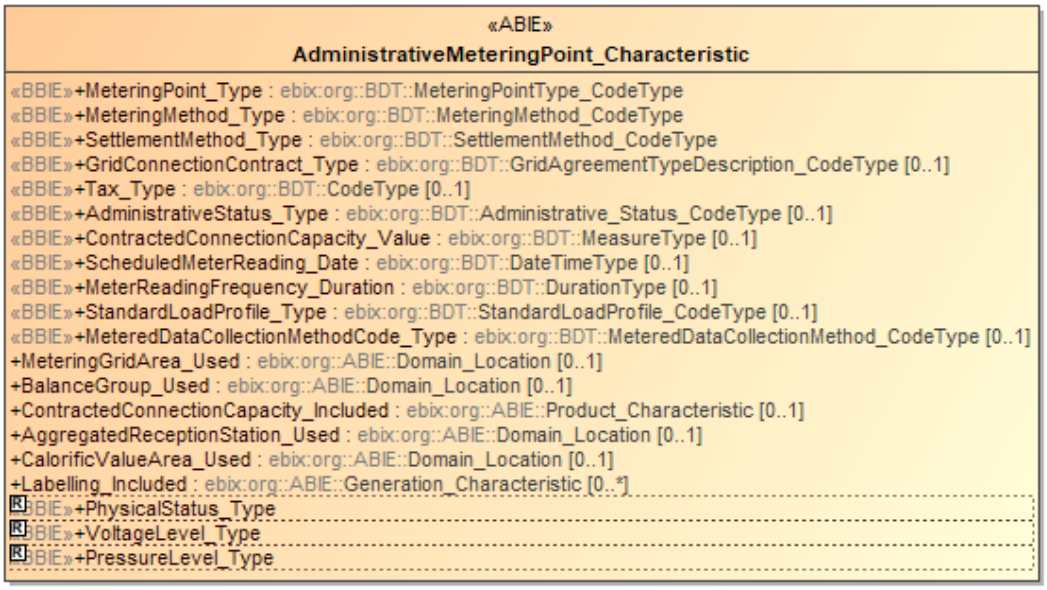
a) Replace the ACCs, BCCs etc. in the current CEFACT Profile with the "CEFACT Profile_Recast.mdzip" from Belgium and add generalisation from the "ebIX® assembled code list" to the related Belgian code list, received from Thibaut.

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 enumerations:



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

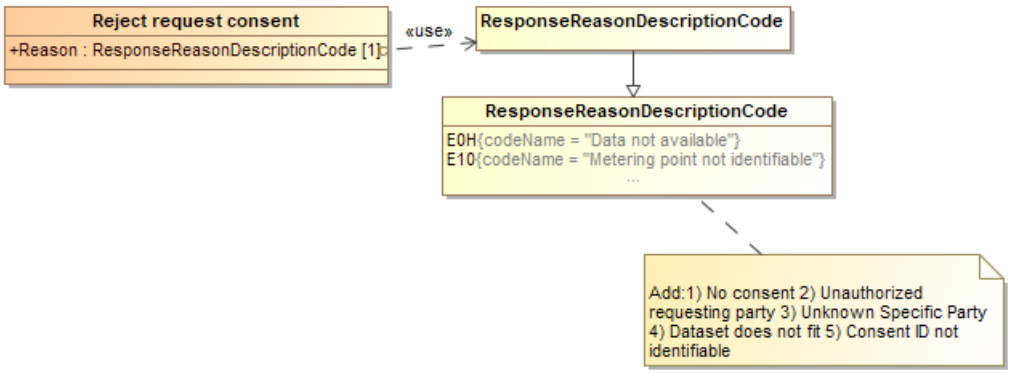
<xsd:element name="ValidatedDataForBillingEnergy" type="crs:ValidatedDataForBillingEnergyType"/>...

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

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

B.6 Code request from EBG

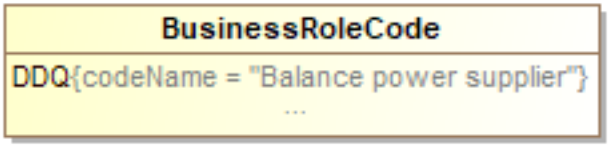
1) For all Reason codes, change (added at ETC meeting 20190212):
   - Balance Supplier to Energy Supplier;
   - Metering Point to Accounting Point.
2) Add remining Reason codes, ref BRS for Customer consent:
   a. Dataset does not fit
   b. Consent ID not identifiable



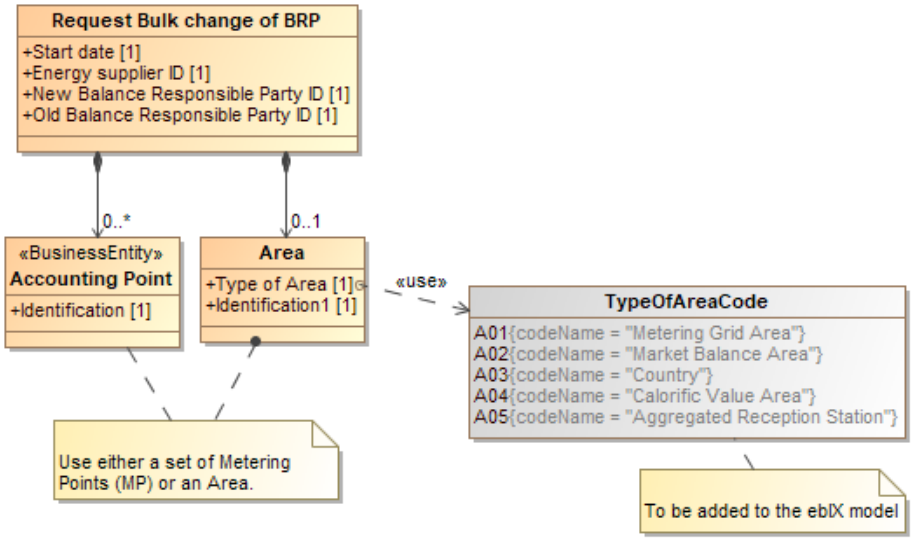
3) ETC will be asked to rename the following Response Reason Description Codes:
   - o E10: “Metering Point …” to “Accounting Point ….”
   - o E16: “Unauthorised Balance Supplier” to “Unauthorised Energy Supplier”
   - o E18: “Unauthorised Balance Responsible” to “Unauthorised Balance Responsible Party”

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

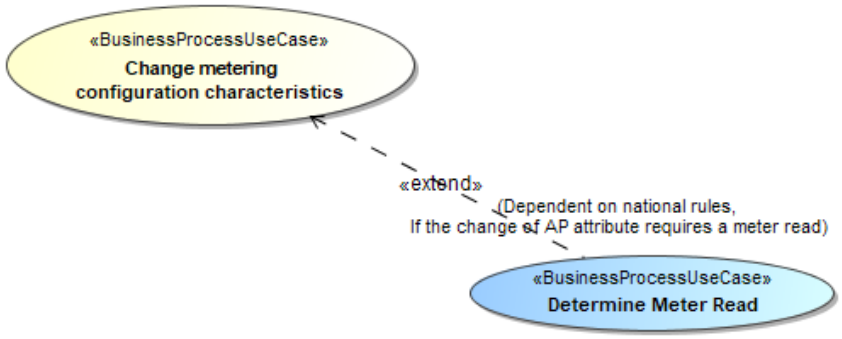
b. Response request consent
c. Notify consent
d. Termination of consent
e. Notify withdrawal of consent
f. Request termination of consent
g. Response request termination of consent
h. Request withdrawal of consent
i. Response request withdrawal of consent
j. Notify termination of consent
k. Request valid 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

B.7 «extend» request from EBG

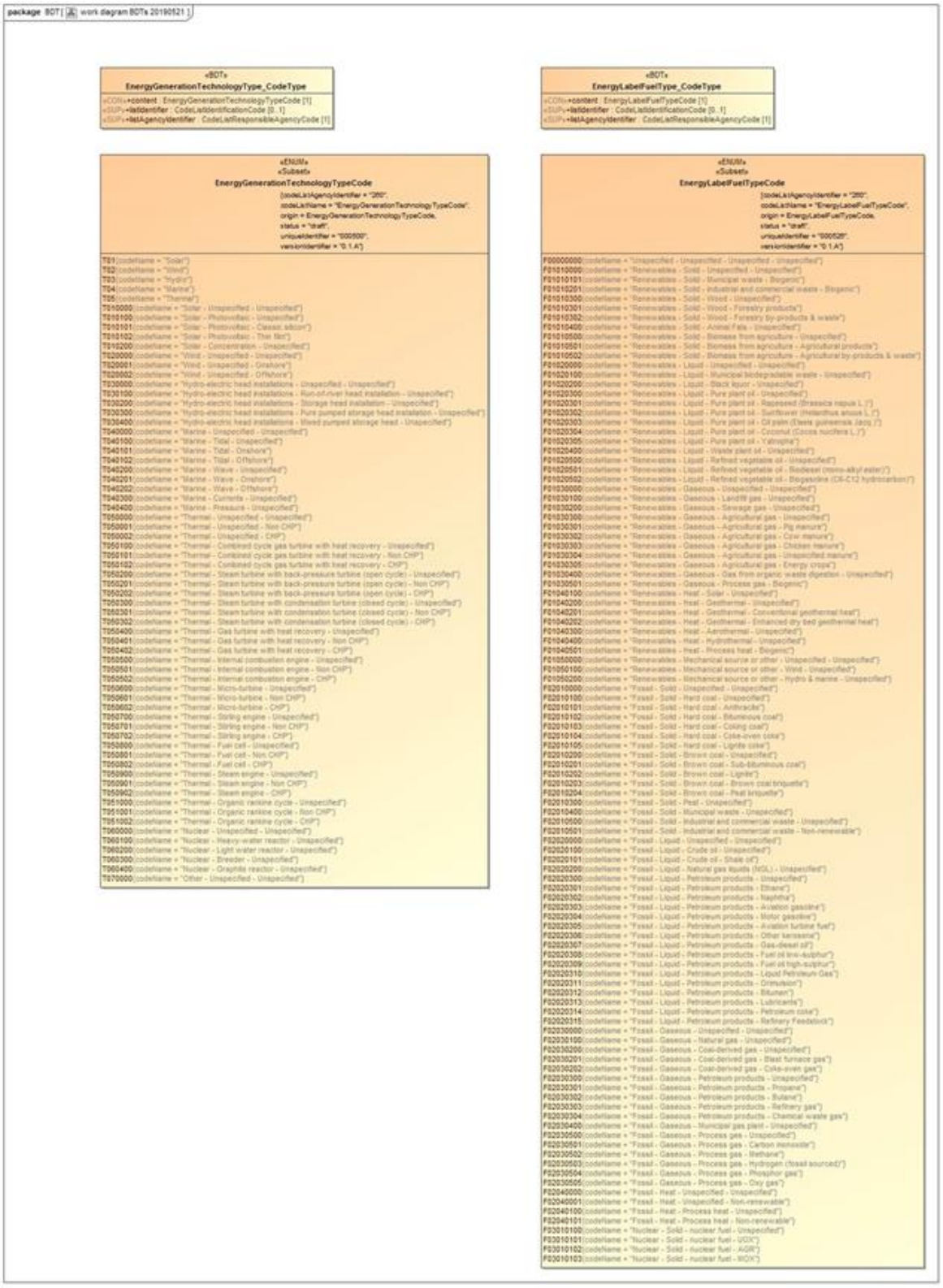
1) Add an extension from UC "Change metering configuration characteristics" to "Determine Meter Read";
2) Add an extension from UC "Bulk change of BRP" to "Determine Meter Read";
3) Remove one out of two extensions from UC "Bulk change of Shipper" to "Determine Meter Read".

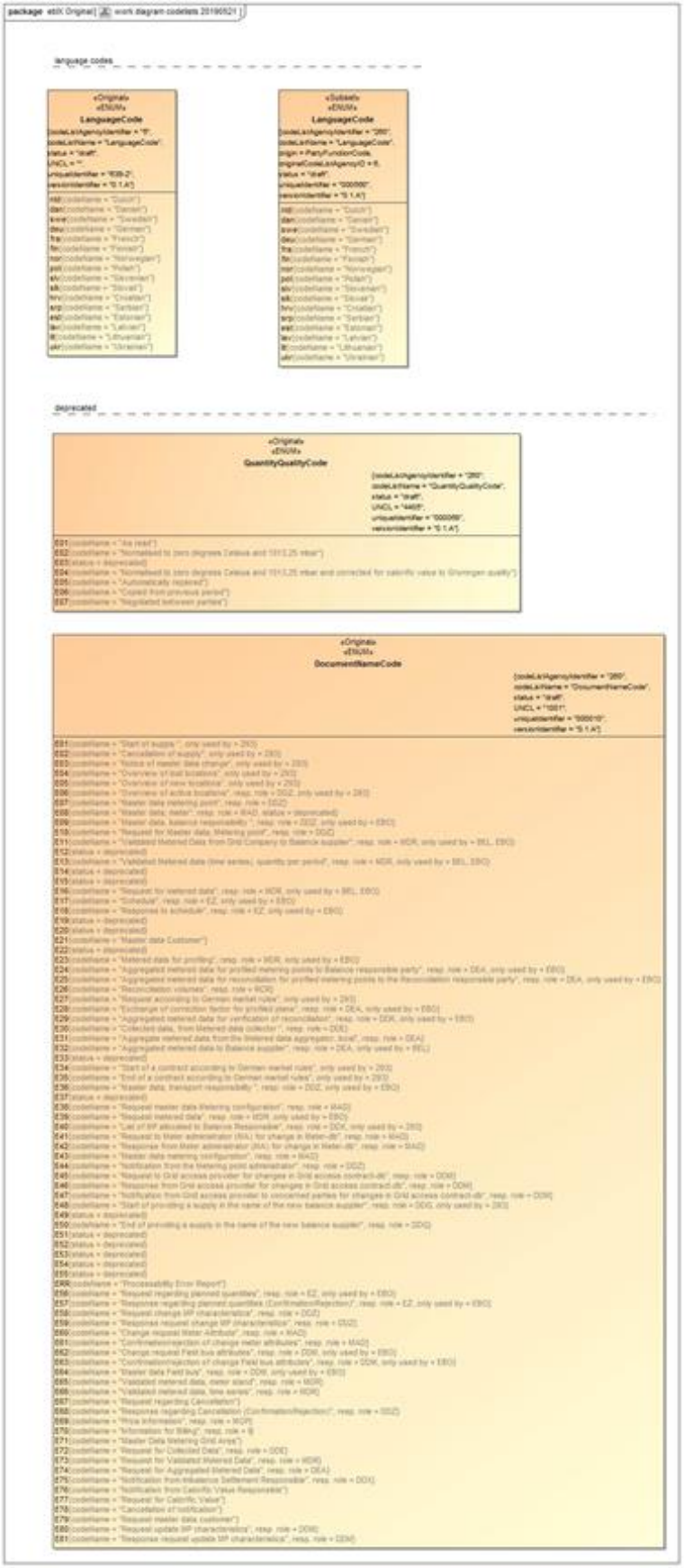


B.8 New codes from Sweden

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.)

Appendix C Update of ebIX® profile after meeting May 15th




package ebIX Original work diagram-codelists 20190521
language codes
«Original»
«ENUM»
LanguageCode
«Subset»
«ENUM»
LanguageCode
deprecated
«Original»
«ENUM»
QuantityQualityCode
«Original»
«ENUM»
DocumentNameCode

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