Minutes ETC meeting, April 22nd, 2020

Date: Wednesday April 22nd, 2020
Time: 12:00 – 14:00
Place: GoToMeeting
Present: Jan (NL), EDSN
Jan (SE), Svenska kraftnät
Kees, TenneT
Ove, Edisys

Appendixes: **Appendix A,** MRs for WG16
Appendix B, Status for new BIMs from EBG
Appendix C, Proposed/agreed changes to the ebIX® Business Information Model 2019.A
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 addition:

- Request for new codes from EBG, see item 8.4.

2   Minutes from previous meeting

The minutes from previous meeting was approved.

3   Resolve ebIX®/IEC issues

3.1   Making a European Style Downstream Market Profile (ESDMP)

From Jan (SE) – Mail March 27th:

Jan (SE) has asked Jean-Luc about how ESMP handles ACCs, ABIEs and MBIEs and received the following reply:

Hi Jan (SE),

It seems that there is a misunderstanding in the methodology that is used in ESMP. We decide that was is called ACC in UN/Cefact is an abstract level.

The real ACCs for a domain are what is called ABIEs in UN/Cefact, so for ESMP that is the part 351 (where you find what you are looking for).

Then these shared 351 components (The ESMP ACCs) could be reuse or restricted for an exchange, and then you get the ESMP MBIEs

So, it seems to me that it answers to what you are looking for.

Abstract level = CIM = UN/cefcat ACCs
351 = ESMP ACCs = UN/Cefact ABIEs
4xx Contextual = ESMP BIEs = UN/Cefact derived ABIEs)
4xx Assembly = ESMP MBIES = UN/Cefact MBIES

From Jan (SE) – Mail March 27th:

Jan (SE) also asked Jean-Luc a bit more regarding flattening. E.g. could we have a payload schema separated from the "header schema"? And how do we "join them", can we do that using the tools?

In the methodology:

- The non-flattening profile is the contextual model of a profile è giving an xsd file
- The flattening profile is the assembly model è giving an xsd file

The flattening profile (or the assembly model) is generated by using the attribute order and property grouping applied to the contextual model. It follows some rules like it puts in a given assembly classes only the attributes of associated contextual classes that have an end role multiplicity of 0 or 1. So it does not put all attributes of all associated contextual classes (ABIEs) in a single assembly (or MBIE) class. In the assembly model (MBIEs) there are still several MBIEs that could have attributes corresponding to contextual associated classes.

So, using Cimsyntaxgen you can output single xsd (payload).

The next step is going to what was called in UN/Cefact methodology to Business Message:

- A BM is an envelope having a name
- A BM is associated to a Business Document Header
- A BM is associated to one or several MBIEs (the association is a special one called ASMA, that is not part of the profile.

So, in CimContextor and CimSyntaxgen, what is implemented:

- For WG14, we generate the BM xsd with the payload (only contextual)
- For WG16, there is only generation of a xsd payload.

So, if I understand well, what you are asking for is:

- BM associated to a header and at least one payload (more than one could be discuss)
- Generation of corresponding xsd
- Is the BM header a profile of a generic header or is it always the same header (the latter case could be easy to implement)?
- Is there a name for a BM?

Any of these features could be implemented if necessary and sponsored.

In a reply to Jean-Luc, Jan (SE) mentioned wanting to perhaps create other XSDs from the model, not just an envelope/header + payload. E.g. a "Point XSD" and a "Series_Period XSD" that could be reused over and over again as building blocks instead of having those classes – looking exactly the same – in many kind of XSD:s for whole messages. But also, to have general "Point ABIEs or MBIEs" and "Series_Period ABIEs or MBIEs" that could have the same GUID and therefore be reused several times in a model – instead of having them separate as today.

Jan (NL) informed that he will use Dutch applications for the Dutch pilot project (and not CimSyntaxgen). A status for the Dutch pilot project will be added to the next meeting agenda.

3.2   Status for MRs to WG16, see Appendix A

Jan (SE) had as action, not found rules, but a standard describing how to create XML schemas from CIM profiles. See IEC 62361-100. That document is to be further analysed. Annex C (informative) in that document (from 2016) is about "Changing name rules examples". In one of the examples you have different names of the association end role name and of the name of the class:

C.3.4   Changing name rule when CIM association end role name and the CIM super class name are completely different

Changing name rule could occur when in the information model there is a class that has a⌐ association with a super class and the association end role name is different than the supe⌐ class name. In Figure C.11, SuperClass name is "SuperClass" and association end role nam⌐ is "EndName":
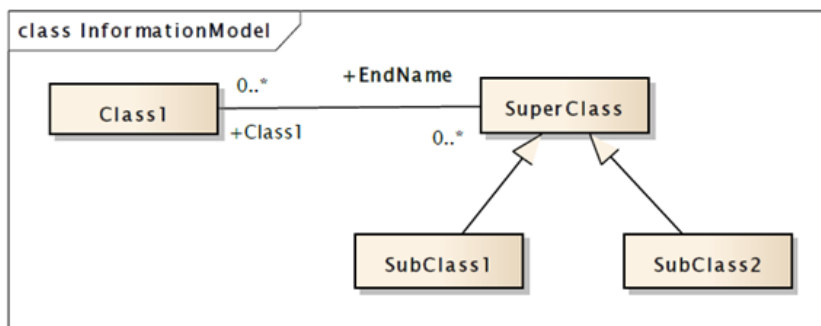
So, at least it should be possible to have another name of the association end role than of the class. But as I wrote, I have not found the rules.

Anyhow, let us look at IEC 62361-100 for other reasons. Back to the example: What will be the result from the figure in the XSD? It will in the XSD look like this:

```xml
<xs:element name="Class">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="EndName_SubClass1" type="SubClass1" minOccurs="0"/>
            <xs:element name="EndName_SubClass2" type="SubClass2" minOccurs="0"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
```

I.e. the element name will be the subclass name prefixed by the association end role name followed by an underscore. Or with a choice instead of a sequence if you use the inheritance also in your "contextual model".

Continued action:

- Jan (SE)/Kees will ask WG16:
    - What are the rules, and where do we find them, for Association end/role names?

3.3   Where to put the ebIX® element Energy Industry Classification Type (Electricity or Gas)?

An option is using the Service Category, but it is connected to the Usage Point, hence maybe too "low" in the hierarchy (we would like the attribute to be on header level – to be used for routing purposes).

Action:

- Jan (SE) will make an ebIX® MR to WG16 for addition of Energy Industry Classification Type (Electricity or Gas) to the Market Document class (or another class) in 62325.

3.4   How to add additions to CIM

Status for "how to add additions to CIM".

From Jan (SE) – Mail April 6th:

> Jean-Luc found an error in one of the XMI files, so here comes an update. (A now reverse and corrected inheritance). The extension has not yet been used in the other packages, I think, so it should only affect the basic extension.

> Ove and I thinks we can use Merge instead of Import, however, needs to be tested and documented.

> Another thing to study is the usage of code lists.

> The latest study I have done shows that it is possible (using CIMContextor) having an ebIX® package that is the basis for (e.g.) a regional package that is the basis for (e.g.) a national package.

> I would suggest this for the Dutch project, i.e. we create and maintain an ebIX® package, that then could be the basis for a Dutch package.

> Well, there are more than one ebIX® package currently, and there might also be more than one national package. But let us look at that later.

> And there are other issues to look at.

To be continued.

4   Problems with TT (Eclipse)

Kees has asked Pawel for a contact person within In4Mate without having received an answer yet, hence the action item is postponed.

Continued action:

- Kees will contact In4Mate asking if they have a solution for how to open Eclipse.

5   Review of BIMs from EBG

See status in Appendix B.

6   Resolve HG issues

6.1   Status for new project for alignment of Area configuration

Kees had informed that Friday April 3rd the project plan for a joint ebIX® and ENTSO-E project was discussed at an CIM EG meeting. A main discussion item was about extending the project to areas used in operations next to the areas used in market information. Kees has agreed to try to find a way to include this in the project plan, and at the same time warned that it might be dangerous to extend the scope right from the start to areas in operations as well.

Conclusion:

- Kees will keep ETC and Jon-Egil posted.

7   Status for harmonisation of the electricity and gas role models

Nothing new.

8   ebIX® Business Information Model 2019.A

8.1   Use of XOR in combination with cardinalities

The item was postponed.

8.2   Reporting interval

From Jan (SE):

> In Sweden we are reporting (currently in the PRODAT messages, and in the future to/from the datahub) several things about the accounting point. Four or five things of those that we intend to report to/from the datahub I don't find in ebIX.

> One of these things is the "Reporting interval" that we today send in PRODAT. I.e. the values are typically collected daily or monthly. But when are they reported? You are, depending on some rules, allowed just to send the hourly values once a month.

> For accounting points part of the imbalance settlement, they must be reported daily (i.e. quarterly values or hourly values). For accounting points part of the reconciliation, hourly values might be reported daily, but you are allowed to send them once a month. But: as a supplier I want to know that. Will I get the values once a month, or will I get them daily? For accounting points part of the reconciliation, monthly values will be sent once a month. (Perhaps we also have some rules when sending values to the customer – perhaps using the same standard and format as sending to suppliers – that those values might be sent more seldom.)

> Anyhow, we then have an attribute that can be translated into "Reporting interval" or "Reporting frequency". Has this been discussed in ebIX? Perhaps it is only we in Sweden that informs the supplier how often he will get timeseries for a specific accounting point. If so, this attribute – and some others – will be of the kind "local extension to CIM" (whenever we will use CIM….).

Replay from Ove:

> I believe we have these elements:

Scheduled Meter Reading Date	The indication of when the regular meter reading is scheduled.
Meter Reading Periodicity	The length of time between the regular meter readings.

Replay from Jan (SE):

In today's PRODAT messages we have:

- First meter reading Date, optional. And I don't think in use.
- Report start date, optional (will tell when you first start to send the metered values). I don't think it is in use.
- Meter reading frequency, required. Back in 2005 we changed this from telling how often you read the values to how often you send them.

In the datahub we will (at least) have

- Metering interval
- Reporting interval

I.e. how often will you do the metering (every 15 minutes, once an hour, monthly). And, how often will you send those values (once a day, every month…).

If "Meter Reading Periodicity" in ebIX® is used for telling how often you report the values, the name is not good. But perhaps then it is implemented differently in different countries… And how can we in the ebIX® model tell that we e.g. have quarterly values? (or hourly, monthly, yearly).

To be continued.

8.3   Comment to Settlement Method Code E15

The item was postponed.

8.4   Request for new codes from EBG

EBG had asked ETC to add the following codes related to BRS for Alignment of characteristics of a Customer at an AP:

a) "**UC,** Customer Contact" to the ebIX® Subset "Contact Function Code".
    Conclusion:
    o The code BS should be used instead.

b) "**???,** Consented Party" to the ebIX® Subset "Business Role Code".
    Conclusion:
    o The Consented Party is not a role; hence the topic will be sent back to EBG for discussion.

c) The following Document Name Codes were added to the ebIX® model:
    a. "**E88,** Request change the characteristics of a customer" to the ebIX® Original "Document Name Code". The responsible role is **Z12**.
    b. "**E89,** Response change the characteristics of a customer" to the ebIX® Original "Document Name Code". The responsible role is **Z12**.
    c. "**E90,** Request update the characteristics of a customer" to the ebIX® Original "Document Name Code". The responsible role is **DDQ**.

d. **"E91,** Response update the characteristics of a customer" to the ebIX® Original "Document Name Code". The responsible role is **DDQ**.

An intermediate Role Code was added for the Party Administrator (**Z12**), with the proposed definition: "A party responsible for maintaining party characteristics ~~for the energy sector~~. The deleted text is removed from the definition from the HRM.

It was also agreed to rename "**DDQ**, Balance Power Supplier" to "**DDQ**, Balance Power Supplier (is Energy Supplier)".

Action:

- Kees will ask UN/CEFACT for new Role Codes:
    - Party Administrator (**Z12**), with definition: "A party responsible for maintaining party characteristics".
    - Calorific Value Responsible (**Z11**), with definition: "Calorific Value Responsible establishes the calorific value for a set of Metering points".
    - Metered Data Administrator, with definition "A party responsible for storing and distributing validated measured data"
      Note:
        - The Metered Data Administrator was added after the meeting:
        - The role is added to HRM version 2020-01, which not yet is published.

8.5 Continue review and update of version 2020.A

The item was postponed.

9 Code lists from Magic Draw model in Word format

The item was postponed.

10 Review of ETC workplan

See ebIX® File Manager.

11 Next meetings

- Friday June 5th, 2020, 10:00 – 12:00, GoToMeeting
- Wednesday June 24th, 2020, 10:00 -11:30 and 13:00 – 14:30, GoToMeeting
- Wednesday and Thursday November 18th and 19th, 2020, BDEW's offices in Berlin.

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

12 AOB

Appendix A   MRs for WG16

A.1   Event class

The request for an Event class has been submitted as PowerPoint presentation and is part of the TR.

To be followed up.

A.2   MRs related to new class MarketEvaluationPointCharacteristic

MR #	ebIX® element	To do	Definition	Status
ebIX® 2019/1	~~Market Evaluation Point Characteristic~~	~~Add a new MarketEvaluationPointCharacteristic class~~	~~The relevant administrative characteristics of a Market Evaluation Point.~~	Submitted to WG16 **20200219:** Will be withdrawn. Instead of creation of a new class MarketEvaluationPointCharacteristic, we will ask for addition of the attributes to MarketEvaluationPoint **20200221:** Withdrawn. Item closed
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		TBD
ebIX® 2019/3	Metering Point Type	Add marketEvaluationPointType attribute (string) to the MarketEvaluationPointCharacteristic class	A code specifying the direction of the active energy flow for the Market Evaluation Point(s), such as consumption, production or combined.	Submitted to WG16 **20200219:** Instead of creation of a new class MarketEvaluationPointCharacteristic, we will ask for addition of the attributes to MarketEvaluationPoint. **20200221:** MR sent to WG16.

MR #	ebIX® element	To do	Definition	Status
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 the Market Evaluation Point(s), such as continuous- non-continuous- or not-metered.	Submitted to WG16 **20200219:** Instead of creation of a new class MarketEvaluationPointCharacteristic, we will ask for addition of the attributes to MarketEvaluationPoint. **20200221:** MR sent to WG16.
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 the Market Evaluation Point(s), such as profiled or non-profiled.	Submitted to WG16 **20200219:** Instead of creation of a new class MarketEvaluationPointCharacteristic, we will ask for addition of the attributes to MarketEvaluationPoint. **20200221:** MR sent to WG16.
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.	Submitted to WG16 **20200219:** Instead of creation of a new class MarketEvaluationPointCharacteristic, we will ask for addition of the attributes to MarketEvaluationPoint. **20200221:** MR sent to WG16. **20200326:** Will be discussed with WG14 in future weekly meeting(s). Suggested to be a string.

MR #	ebIX® element	To do	Definition	Status
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.	Submitted to WG16 **20200219:** Instead of creation of a new class MarketEvaluationPointCharacteristic, we will ask for addition of the attributes to MarketEvaluationPoint. **20200221:** MR sent to WG16. **20200326:** Will be discussed with WG14 in future weekly meeting(s). Probably readCycle in UsagePoint can be used.
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 the Market Evaluation Point, such as Automatic or Manually.	Submitted to WG16 **20200219:** Instead of creation of a new class MarketEvaluationPointCharacteristic, we will ask for addition of the attributes to MarketEvaluationPoint. **20200221:** MR sent to WG16. **20200326:** The attribute, amrSystem, in class EndDevice, is an alternative. To be further discussed.
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.	Submitted to WG16 **20200219:** Instead of creation of a new class MarketEvaluationPointCharacteristic, we will ask for addition of the attributes to MarketEvaluationPoint. **20200221:** MR sent to WG16.

MR #	ebIX® element	To do	Definition	Status
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 active part of the imbalance settlement.	Submitted to WG16 **20200219:** Instead of creation of a new class MarketEvaluationPointCharacteristic, we will ask for addition of the attributes to MarketEvaluationPoint. **20200221:** MR sent to WG16.
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.	Submitted to WG16 **20200219:** Instead of creation of a new class MarketEvaluationPointCharacteristic, we will ask for addition of the attributes to MarketEvaluationPoint. **20200221:** MR sent to WG16.
ebIX® 2019/12	Contracted Connection Capacity Measure Unit	Add new contractedConnectionCapacityMeasureUnit attribute (uncefactUnitCode) in the MarketEvaluationPointCharacteristic class [0..1]	The unit of measure used for the Contracted Connection Capacity.	Submitted to WG16 **20200219:** Instead of creation of a new class MarketEvaluationPointCharacteristic, we will ask for addition of the attributes to MarketEvaluationPoint. **20200221:** MR sent to WG16. **20200326:** Could be discussed with WG14 to change cardinality between UsagePoint and CustomerAgreement to use the inherited Document.type attribute.

MR #	ebIX® element	To do	Definition	Status
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 the Market Evaluation Point. The element is Boolean and is used for both gas and electricity.	Submitted to WG16 **20200219:** Instead of creation of a new class MarketEvaluationPointCharacteristic, we will ask for addition of the attributes to MarketEvaluationPoint. **20200221:** MR sent to WG16.
ebIX® 2019/14	Energy Label	Add a new EnergyLabel class	A class indicating the origin of the energy produced at this Market Evaluation Point	Planned submitted to WG16 Q1/2020
ebIX® 2019/15	Energy Label	Add new association from MarketEvaluationPointCharacteristic class [0..1] to the EnergyLabel class [0..*]		Planned submitted to WG16 Q1/2020
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.	Planned submitted to WG16 Q1/2020

MR #	ebIX® element	To do	Definition	Status
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.	Planned submitted to WG16 Q1/2020
ebIX® 2020/18	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.	TBD
ebIX® 2020/19	Identification	Use mRID attribute in the Domain class	The unique identification of the Metering Grid Area to which this Market Evaluation Point belongs.	TBD
ebIX® 2020/20	MGA Name	Use name attribute in the Domain class	The name, in clear text, of the Metering Grid Area.	TBD

MR #	ebIX® element	To do	Definition	Status
	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.	TBD
	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.	TBD

MR #	ebIX® element	To do	Definition	Status
ebIX® 2020/21	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.	TBD
ebIX® 2020/22	Identification	Use mRID attribute in the Domain class	The unique identification of the Calorific Value Area to which this Market Evaluation Point belongs.	TBD

A.3 MRs related to additions to the class Usage Point

| MR #	ebIX® element	To do	Definition	Status
	Connection Status	Already there; Use connectionState attribute in UsagePoint	State of the usage point with respect to connection to the network.	Already approved
	Disconnection Method	Already there; Use disconnectionMethod attribute in UsagePoint	Is an indication of how the usage point is physically connected or disconnected.	Already approved
	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.	Already approved
ebIX® 2020/23	Capacity of the Accounting Point	Change the datatype for physicalConnectionCapacity from "Decimal" to "StringDecimal" (to include the unit)		*Action:* Jan (SE) will send the DMR to WG16 to be handled at the meeting March 2nd. **20200221:** MR sent to WG16. **20200326:** Approved, but changed from "StringDecimal" to "DecimalQuantity". Item closed.
ebIX® 2020/24	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.	*Action:* Jan (SE) will send the DMR to WG16 to be handled at the meeting March 2nd. **20200221:** MR sent to WG16. **20200326:** Approved, the attribute phaseCount will be added to UsagePoint. Item closed.

MR #	ebIX® element	To do	Definition	Status
ebIX® 2020/25	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.	*Action:* Jan (SE) will send the DMR to WG16 to be handled at the meeting March 2nd. **20200221:** MR sent to WG16. *Most likely this change request can be withdrawn.* **20200326:** We will use the existing attribute "ratedCurrent" in UsagePoint". Item closed.
	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® 2020/26	connectionCategory	Rephrase the definition: "A code used to specify the connection category, e.g., low voltage or low pressure, where the usage point is defined."		*Action:* Jan (SE) will send the DMR to WG16 to be handled at the meeting March 2nd. **20200221:** MR sent to WG16. **20200326:** The definition will be updated: "A code used to specify the connection category, e.g., low voltage or low pressure, where the *usage point is defined*". Item closed.
ebIX® 2020/27	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.	

MR #	ebIX® element	To do	Definition	Status
ebIX® 2019/28	MarketEvaluationPointCharacteristic	Add new association from MarketEvaluationPoint class [0..*] to the MarketEvaluationPointCharacteristic class [0..*]		Submitted to WG16. **20200221:** Withdrawn.

Appendix B   Status for new BIMs from EBG

See draft BIMs, approved BIMs and workplan at the ebIX® File Manager.

1. Alignment of characteristics for a Customer linked to an AP:
   o At this 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;

2. Change of TCR:
   o The BIM is ready for review.

3. Alignment of Metering Configuration Characteristics:
   o The Business Choreography View is ready for review, but Ove has 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 mis a Role Code for ESCO.
     ▪ ….
4. 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 shoul 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:
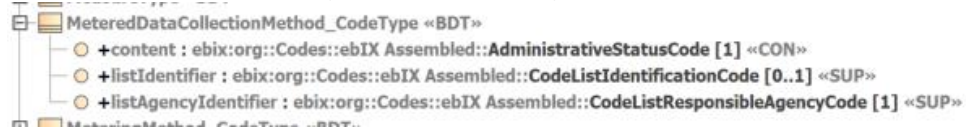
- Same comments/questions as for Notify MP Characteristics
  - o Request Change AP Characteristics from BS:
    - Missing the ID Scheme Type Code + the Reference code qualifier (CEFACT) + the Assembled ID Scheme Type Code (Kees' homework).
  - o Request Creation of new AP
    - Missing an association 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

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:
   - o   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:
   - o   Request change grid responsibility;
   - o   Response change grid responsibility;
   - o   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
   - o   Check what is agreed with IEC in the TR
   - o   Check what is the significance of "Time of Use"/"Meter Time Frame" in the proposal from Atrias
   - o   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:
   - o   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):
    o   Balance Supplier to Energy Supplier;
    o   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
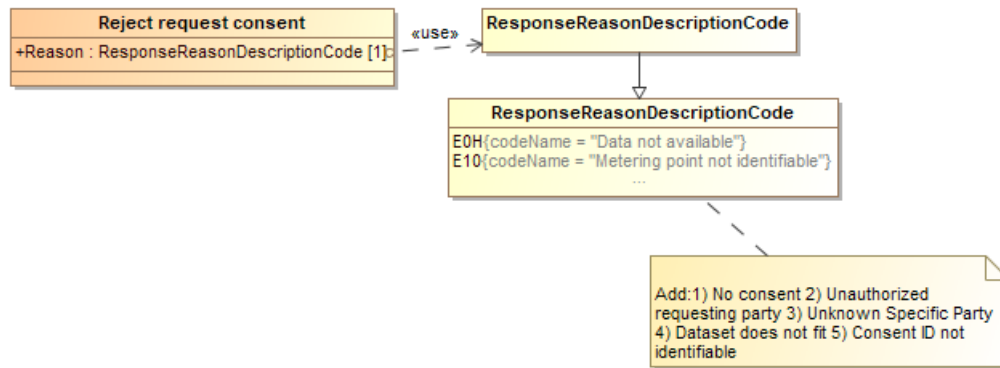
3) ETC will be asked to rename the following Response Reason Description Codes:
   o E10: "Metering Point …" to "Accounting Point …."
   o E16: "Unauthorised Balance Supplier" to "Unauthorised Energy Supplier"
   o E18: "Unauthorised Balance Responsible" to "Unauthorised Balance Responsible Party"

4) ETC will be asked to rename the Business Role Code Transport Capacity Responsible Party to Shipper:
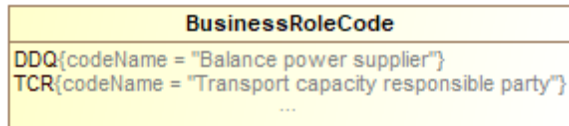
5) For ETC: Can we rename Balance power supplier to Energy Supplier?
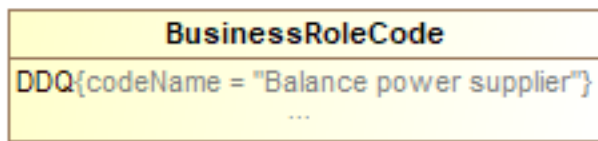
6) Add a Type of Area code, ref BRS for Bulk change of BRP:
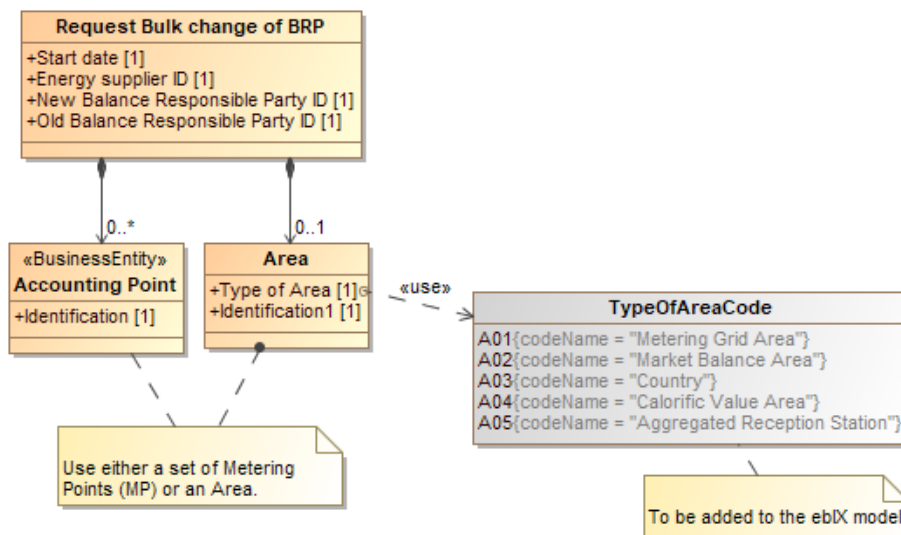
7) New Document Name Codes
   a. Request consent
   b. Response request consent

  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

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".
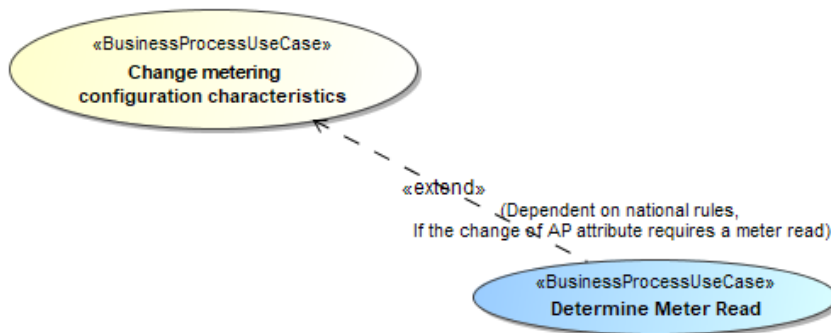
C.8 New codes from Sweden

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.

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