IEC TC57 WG16
MAINTENANCE REQUEST

Maintenance notice:

This template needs to be completed and sent to: WG16Part301@iectc57.org

Rules:

All participants in the IEC TC 57 WG16 may issue a Maintenance Request concerning IEC TC 57 WG16 documents, UML models or code components. This document defines the form that is to be used to submit such a request.

General guidelines for the Maintenance Request submission:

- The form is to be completed with all the necessary information.

- All associated documents required for the understanding of the Maintenance Request are to be provided.

- It is highly recommended to provide a presentation describing the use cases and why a change to an existing standard is necessary. Each use case must relate to an ongoing or upcoming project (American, European or National project). Valuable contextual information must be provided such as European regulations or directives, project specifications, and so on.

- If needed the requester can be invited to present their Maintenance Request to IEC TC57 WG16. Failing that an IEC TC57 WG16 member should champion the Maintenance Request so that any questions raised may be immediately resolved.

The IEC TC57 WG16 Convener will inform the submitter when the Maintenance Request is to be reviewed by the WG 16.

The Maintenance Request shall be provided to IEC TC57 WG16 Members and Corresponding Members at least one week prior to its presentation for approval.

The Maintenance Request will be debated within IEC TC57 WG 16 and its Members shall state:

- If the Maintenance Request is to be rejected and the reason of rejection.

- If the Maintenance Request is accepted.

- If the Maintenance Request is accepted with changes.

All decisions shall be obtained through consensus[1].

In all cases, the requester shall be informed of the IEC TC57 WG 16 decision.

Accepted Maintenance Requests, before being implemented in the existing standards, shall be updated in a common excel sheet.

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[1] ISO definition of Consensus: "general agreement, characterized by the absence of sustained opposition to substantial issues by any important part of the concerned interests and by a process that involves seeking to take into account the views of all parties concerned and to reconcile any conflicting arguments".

1   General Information

Date of submission:	12/04/2023
Submitter Name:	Jan Owe
Organisation:	Svenska kraftnät
E-mail:	jan.owe@svk.se
Maintenance Request ID	ebIX® 2022/19
Maintenance Request Version	5
Maintenance Request title	Add an association from MarketEvaluationPoint to MktPSRType in the TC57CIM/IEC62325/MarketManagement package and in ESMP.

2   Description of the issue (Business requirements, use cases…)

2.1   Background and UseCases

When exchanging master data for an Accounting Point it may be needed to exchange the technology used for the energy production at the Accounting Point, such as hydro, wind or nuclear, ref. ebIX® BRS for alignment of Accounting Point characteristics, see also Appendix A, Class diagram: ebIX® Accounting Point characteristics.

Among others the technology is required when the Metered Data Aggregator (MDA) sends aggregated metered data to the Imbalance Settlement Responsible in the four Nordic countries – in this case the technology is associated to the TimeSeries class. However, since the MDA needs to know the technology of each Accounting Point, to be able to aggregate measured data per type of technology, he must receive master data telling the technology. In the latter case, the technology must be associated with the Accounting Point.

We think the best way of telling the technology is using the psrType attribute (using the Asset type list) from the MktPSRType class that already is present in ESMP (EuropeanStyleMarketProfile/IEC62325-351/ESMPClasses). Since we believe that the technology in the future also may be relevant for other types of Metering Points, we suggest associating the MktPSRType class with the MarketEvaluationPoint class, also present in ESMP.

3   Possible impacts on profiles (ESMP or profiles based on ESMP)

This MR suggest addition of an association from the MarketEvaluationPoint class to the MktPSRType class in ESMP (IEC62325-351/ESMPClasses).
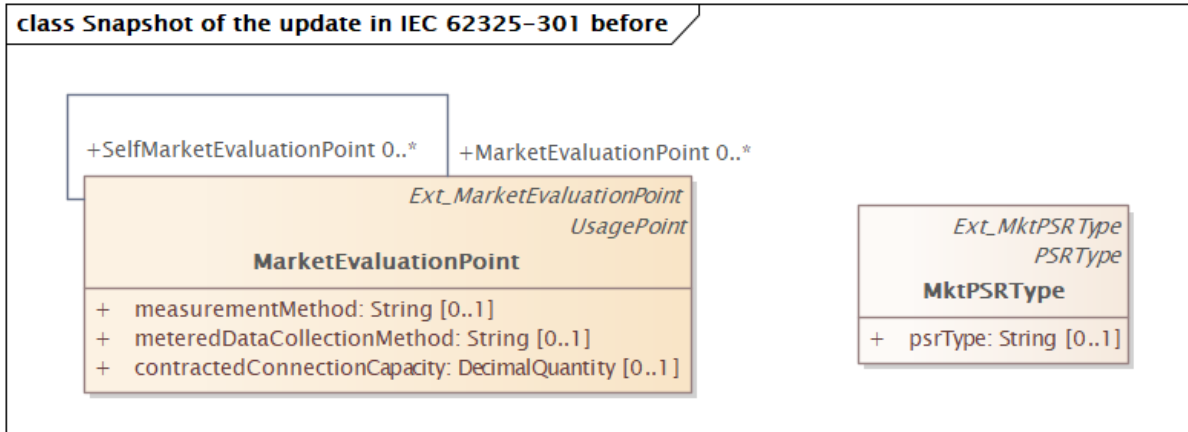
4   Description of the update

4.1   This request applies an update of IEC 62325-301 (If yes, please fill the points below)

Add an association from the MarketEvaluationPoint class to the MktPSRType class in the TC57CIM/IEC62325/MarketManagement package.
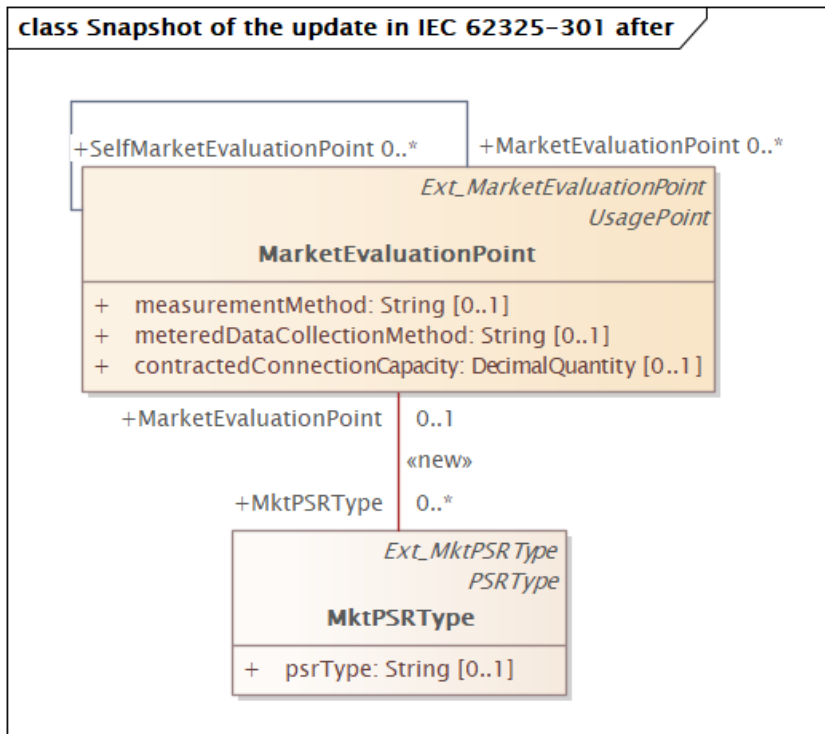
4.1.1   Reference to XMI (Optional)

None.

4.1.2 Snapshot of the update in IEC 62325-301 before

class Snapshot of the update in IEC 62325–301 before

+SelfMarketEvaluationPoint 0..*   +MarketEvaluationPoint 0..*

Ext_MarketEvaluationPoint
UsagePoint
MarketEvaluationPoint

+   measurementMethod: String [0..1]
+   meteredDataCollectionMethod: String [0..1]
+   contractedConnectionCapacity: DecimalQuantity [0..1]

Ext_MktPSRType
PSRType
MktPSRType

+   psrType: String [0..1]

4.1.3 Snapshot of the update in IEC 62325-301 after

class Snapshot of the update in IEC 62325–301 after

+SelfMarketEvaluationPoint 0..*   +MarketEvaluationPoint 0..*

Ext_MarketEvaluationPoint
UsagePoint
MarketEvaluationPoint

+   measurementMethod: String [0..1]
+   meteredDataCollectionMethod: String [0..1]
+   contractedConnectionCapacity: DecimalQuantity [0..1]

+MarketEvaluationPoint   0..1

«new»

+MktPSRType   0..*

Ext_MktPSRType
PSRType
MktPSRType

+   psrType: String [0..1]

See the additions with stereotype <<new>> in the figure above.

4.2 Description of update of IEC 62325-351 (If yes, please fill the points below)
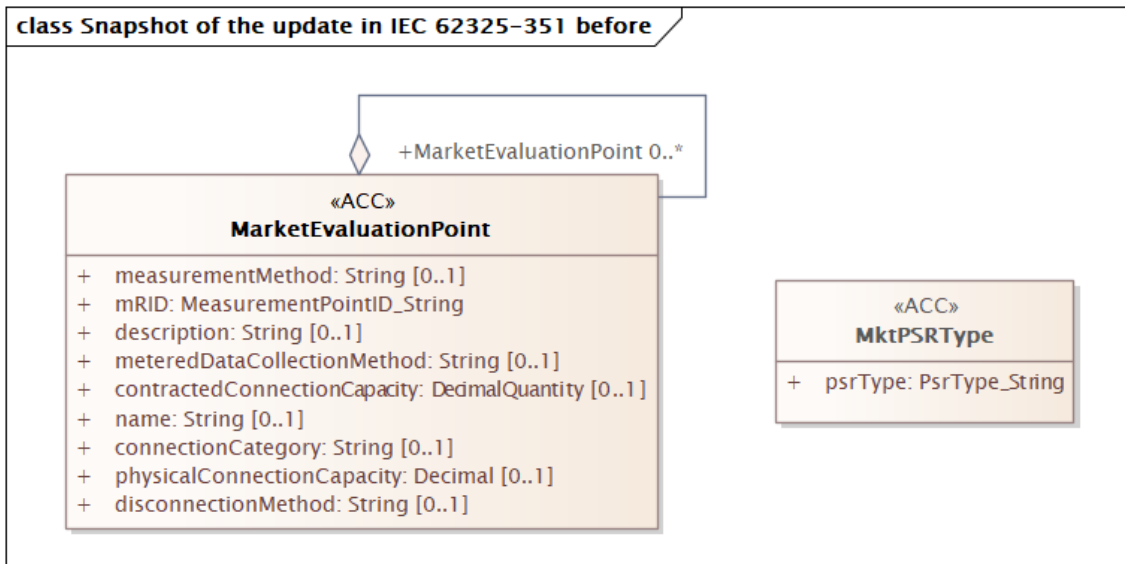
4.2.1 Description of the change/update

Add the association from the MarketEvaluationPoint class to the MktPSRType class in the ESMP (IEC62325-351/ESMPClasses) package.
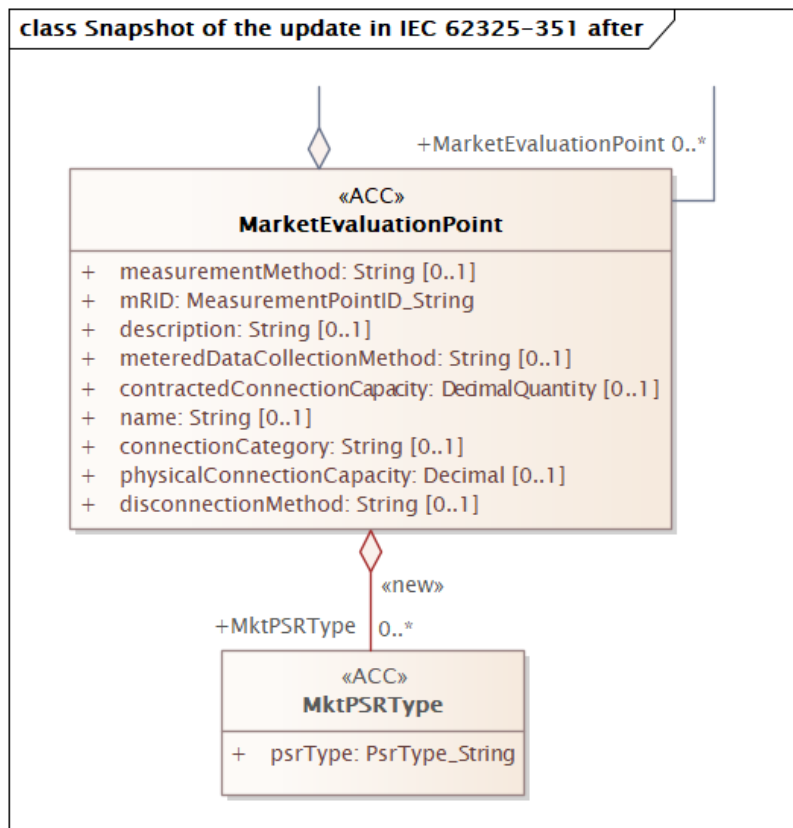
4.2.2 Reference to XMI (Optional)

None.

4.2.3 Snapshot of the update in IEC 62325-351 before

4.2.4 Snapshot of the update in IEC 62325-351 after

4.2.4.1 Class and attributes descriptions

Not applicable

5 Final agreement

Agreed in European retail SG 2023-05-10.

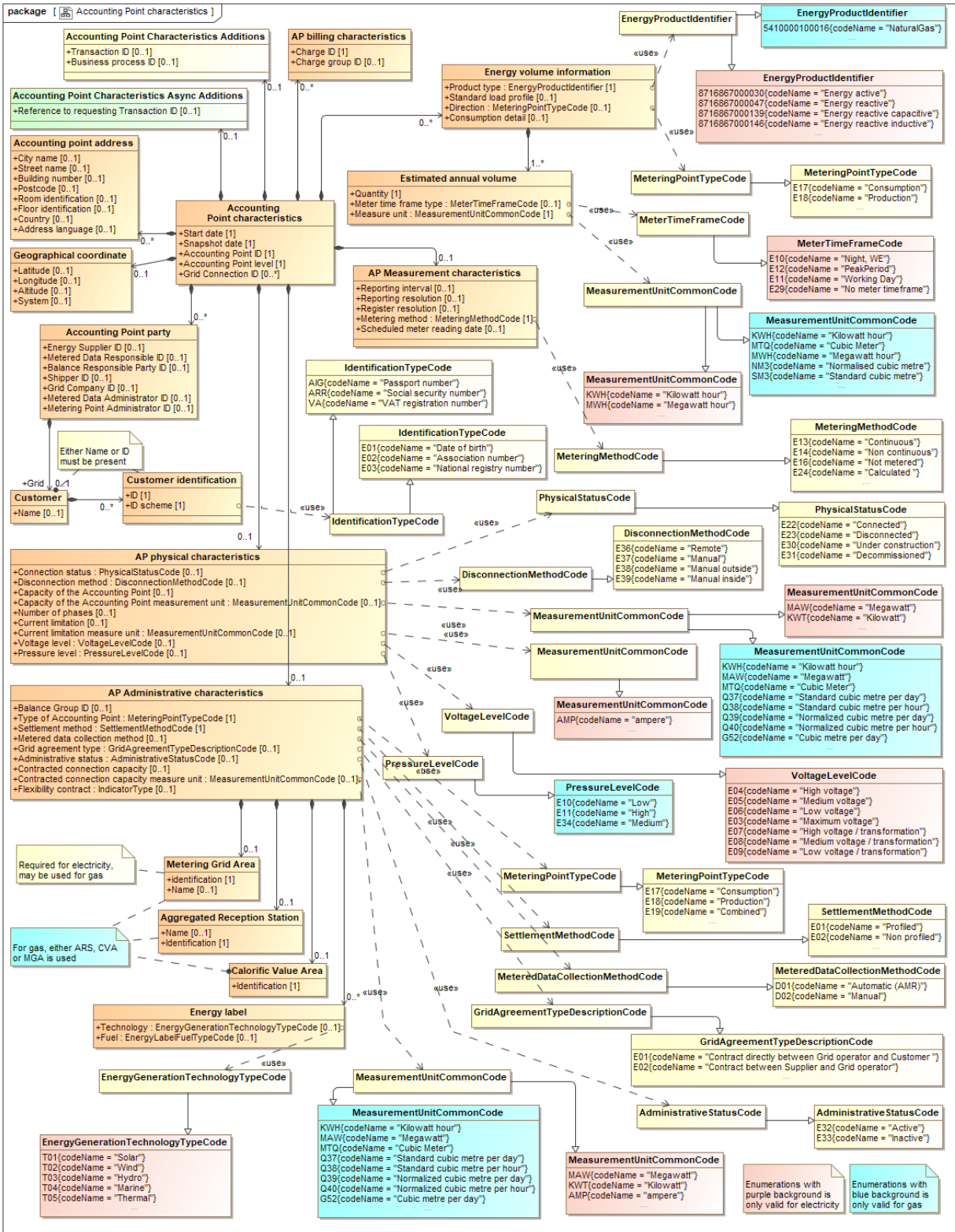# Appendix A   Class diagram: ebIX® Accounting Point characteristics

Figure 1 Class diagram: Accounting Point characteristics

Energy label		A class indicating the origin of the energy produced at this Accounting Point
	Technology	An indication of the technology of the energy production, or part of the energy production, which is potentially fed into the grid at this Accounting Point.