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".
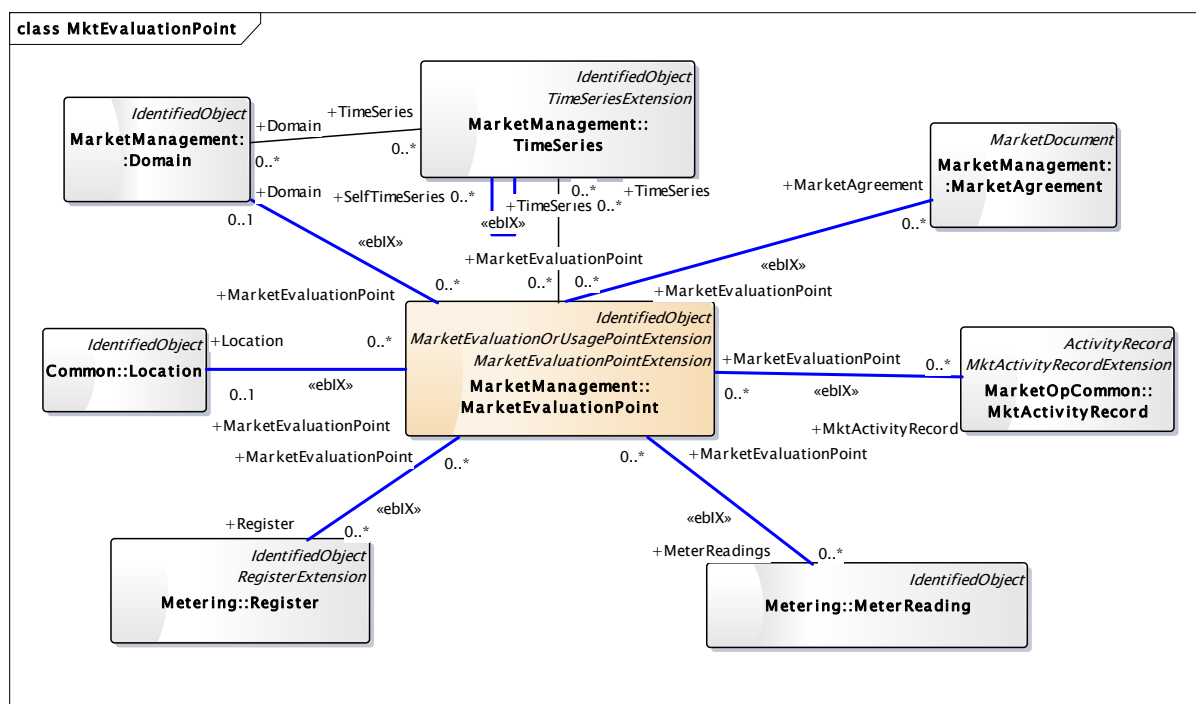
1   General Information

Date of submission:	05/07/2022
Submitter Name:	Jan Owe
Organisation:	Svenska kraftnät
E-mail:	jan.owe@svk.se
Maintenance Request ID	ebIX® 2022/012
Maintenance Request Version	3
Maintenance Request title	New association from MktActivityRecord to MarketEvaluationPoint in IEC 62325-351

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

2.1   Background and UseCases

The background for this maintenance request is the IEC TR 62325-103 (TR), describing use cases with mapping to CIM and what was seen as missing in CIM. The following figure from the TR (Figure 120) shows the suggested new associations around MarketEvaluationPoint. For more up-to-date suggestions of the associations see otherwise MR 2022/006 – 011 from ebIX®.

The addition of an association between MarketEvaluationPoint and MktActivityRecord was done in version iec61970cim17v23 ec61968cim13v11 iec62325cim04v01 of CIM, when also MktActivityRecord was moved to the MarketCommon package. See https://redmine.ucaiug.org/issues/5770.

The association from MktActivityRecord to MarketEvaluationPoint is typically used for:

- Inform about one or more MarketEvaluationPoints that are involved in a specific event (MktActivityRecord). It could be a change-of-supplier-event, a customer move-event and other events when one or more specific MarketEvaluationPoints are mentioned.

- Example of events when more than one MarketEvaluationPoint is relevant to specify
  - Two MarketEvaluationPoints are associated and both needed to be specified in the same event (e.g. a production MarketEvaluationPoint and a consumption MarketEvaluationPoint).
  - The event is describing a set of MarketEvaluationPoints, e.g. all MarketEvaluationPoints owned by a customer or all MarketEvaluationPoints being part of an aggregation.
  - For "bulk changes", several MarketEvaluationPoints will be specified in the same event, e.g. a change of Balance Responsible party for specified set of MarketEvaluationPoints or e.g. move of a set of MarketEvaluationPoints from one metering grid area to another.

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

There is no association from MktActivityRecord to MarketEvaluationPoint in ESMP, hence an update there is needed.

4   Description of the update

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

No update needed.

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 an aggregation to part from MktActivityRecord to MarketEvaluationPoint. I.e. a MktActivityRecord [0..1] can have zero or more associations to MarketEvaluationPoint [0..*].
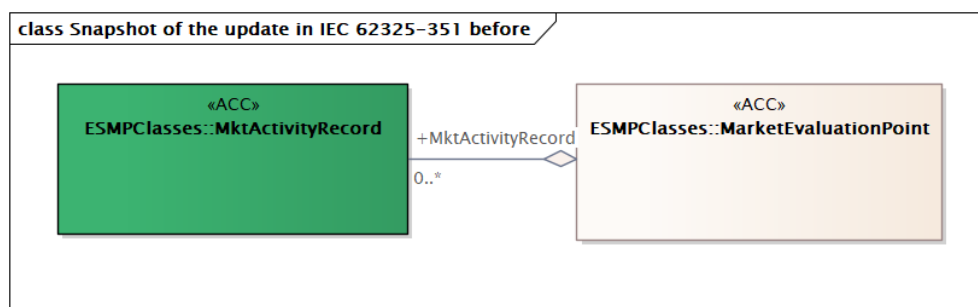
The already existing association from MarketEvaluationPoint to MktActivityRecord could then be reversed, or set as "deprecated", unless it is used in some exchanges.

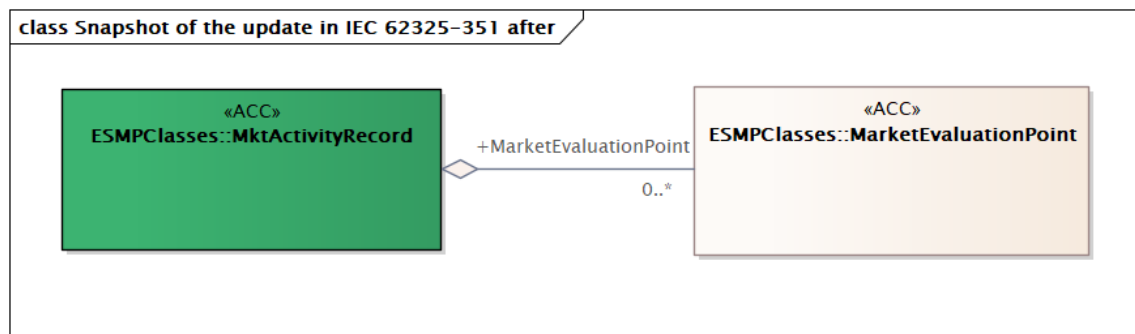Here the suggestion is to reverse the association.

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

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class Snapshot of the update in IEC 62325-351 after

  ┌─────────────────────────┐                    ┌─────────────────────────────┐
  │         «ACC»           │ +MarketEvaluationPoint │         «ACC»           │
  │ ESMPClasses::MktActivityRecord │◇────────────────│ ESMPClasses::MarketEvaluationPoint │
  │                         │         0..*        │                             │
  └─────────────────────────┘                    └─────────────────────────────┘
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4.2.4.1 Class and attributes descriptions

This MR concerns only change/addition of an aggregation.

5 Final agreement

Agreed 2023-04-12.