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".
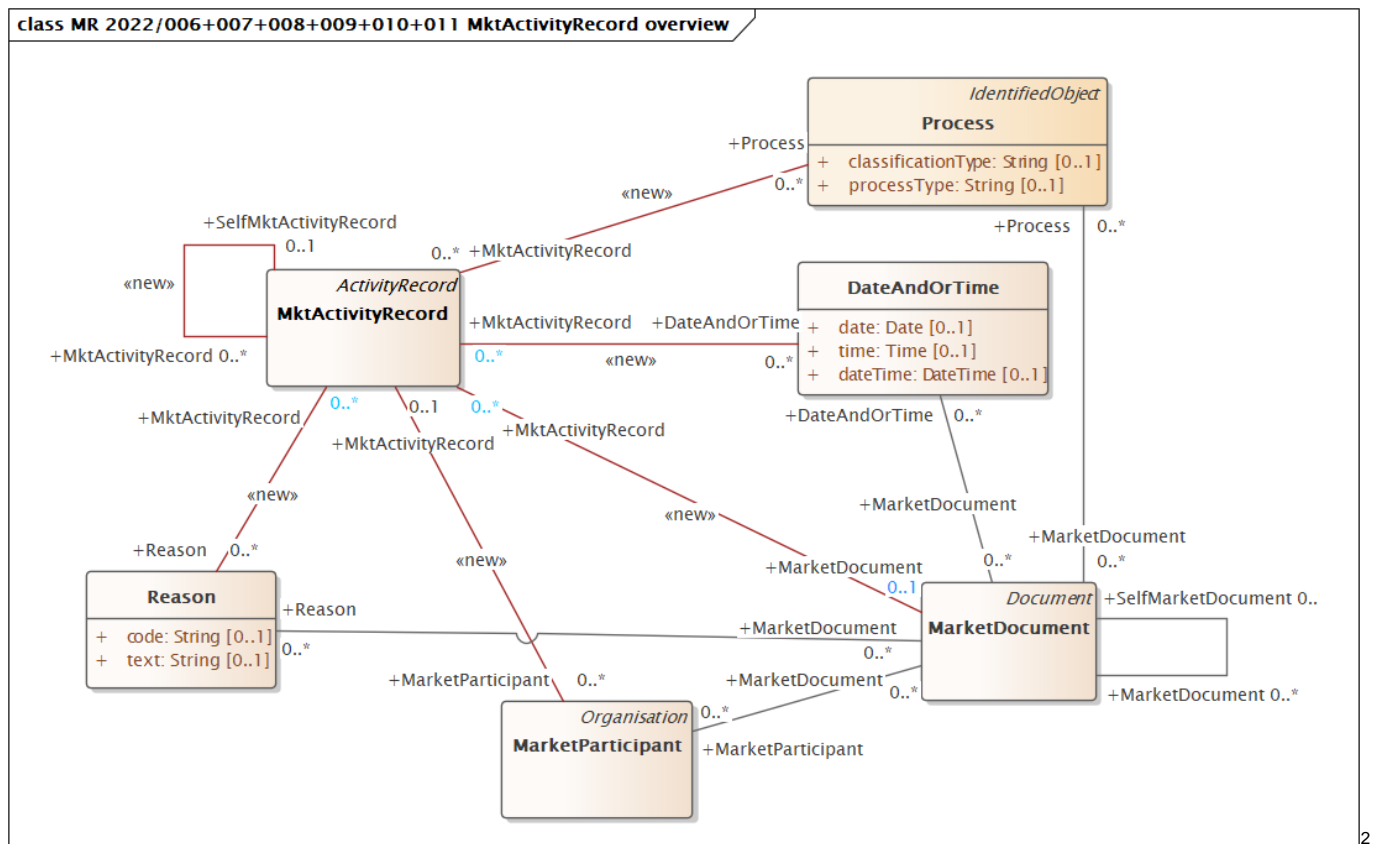
1 General Information

Date of submission:	12/05/2022
Submitter Name:	Jan Owe
Organisation:	Svenska kraftnät
E-mail:	jan.owe@svk.se
Maintenance Request ID	ebIX® 2022/011
Maintenance Request Version	3
Maintenance Request title	New association between MktActivityRecord and Reason

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 shows the new associations proposed in the TR (see figure "Figure 122 – MktActivityRecord, suggested extensions in CIM" from the TR). In addition to what is stated in the TR, ebIX® has found the need for a many-to-many association between MktActivityRecord and MarketDocument:

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[2] Cardinalities shown in blue colours are changed from [0..1] to [0..*] or opposite (from [0..*] to [0..1]) in version 2 of this MR.

Hence, this MR is one out of a set of MRs requesting the associations from the MktActivityRecord to other CIM classes.

The association from MktActivityRecord to Reason is typically used for showing one or more error codes when rejecting a payload.

The intention is to use the association between MktActivityRecord and Reason when sending payloads synchronously (without a MarketDocument class above, such as when using web Services) in the same way as the association between MarketDocument and Reason is used when sending asynchronous edi documents (batch). Hence it is proposed having a [0..*] cardinality at both sides.

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

The same kind of update is suggested also in ESMP.

4   Description of the update

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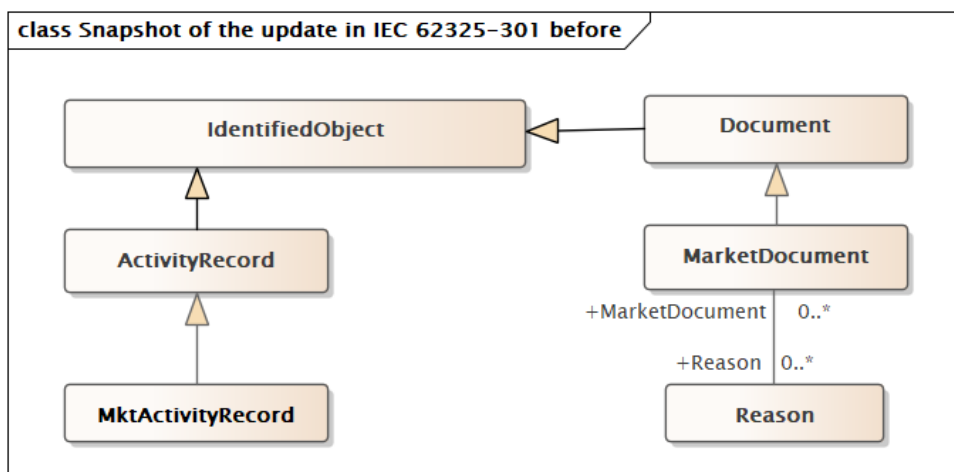
4.1.1   Description of the change/update

Add an association between MktActivityRecord and Reason. I.e. a MktActivityRecord class [0..*] can be associated with zero or more Reason classes [0..*] and opposite, a Reason class [0..*] can be associated with zero or more MktActivityRecord classes.
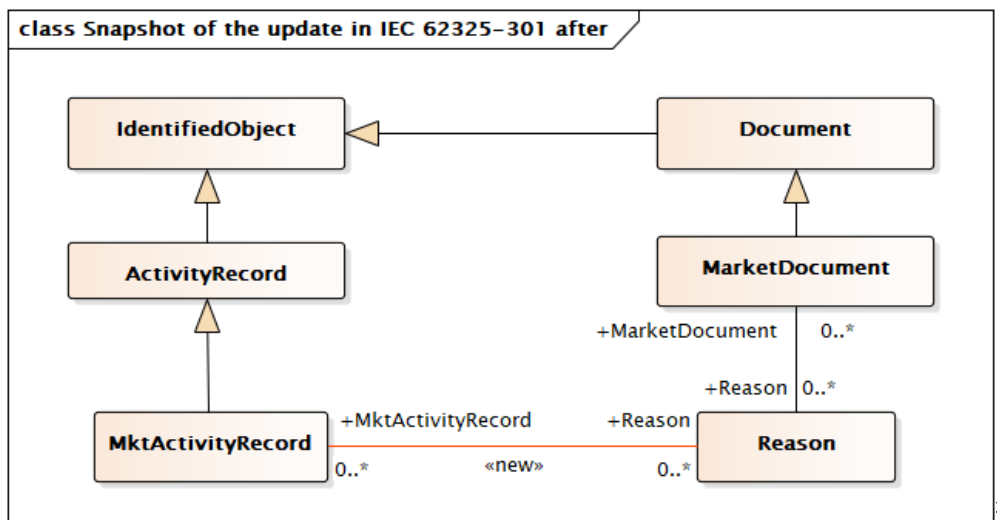
4.1.2   Reference to XMI (Optional)

None.

4.1.3   Snapshot of the update in IEC 62325-301 before

4.1.4 Snapshot of the update in IEC 62325-301 after

class Snapshot of the update in IEC 62325-301 after

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

4.1.5 Class and attributes descriptions

This MR concerns only addition of an association.

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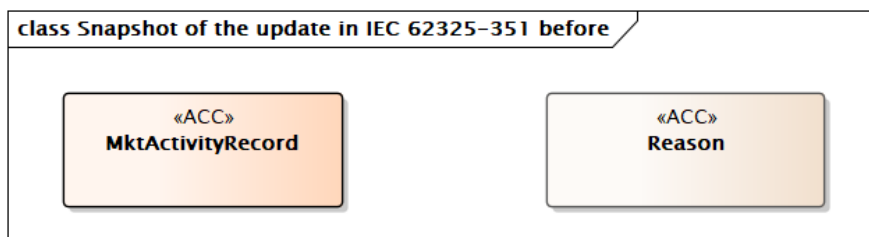
4.2.1 Description of the change/update

Add an aggregation to part from MktActivityRecord to Reason. I.e. a MktActivityRecord [0..1] can have zero or more associations to Reason [0..*].
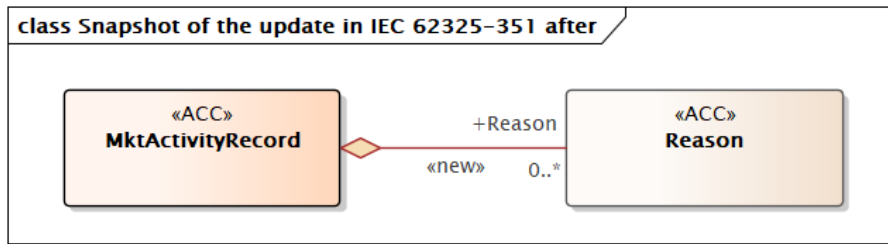

4.2.2 Reference to XMI (Optional)

None.

4.2.3 Snapshot of the update in IEC 62325-351 before

class Snapshot of the update in IEC 62325-351 before

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[3] The cardinality shown in blue colour is changed from [0..1] to [0..*] in version 2 of this MR.

4.2.4 Snapshot of the update in IEC 62325-351 after

4.2.4.1 Class and attributes descriptions

This MR concerns only addition of an aggregation.

5 Final agreement

Agreed in May 2022.