
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 consensus¹.

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.

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”.

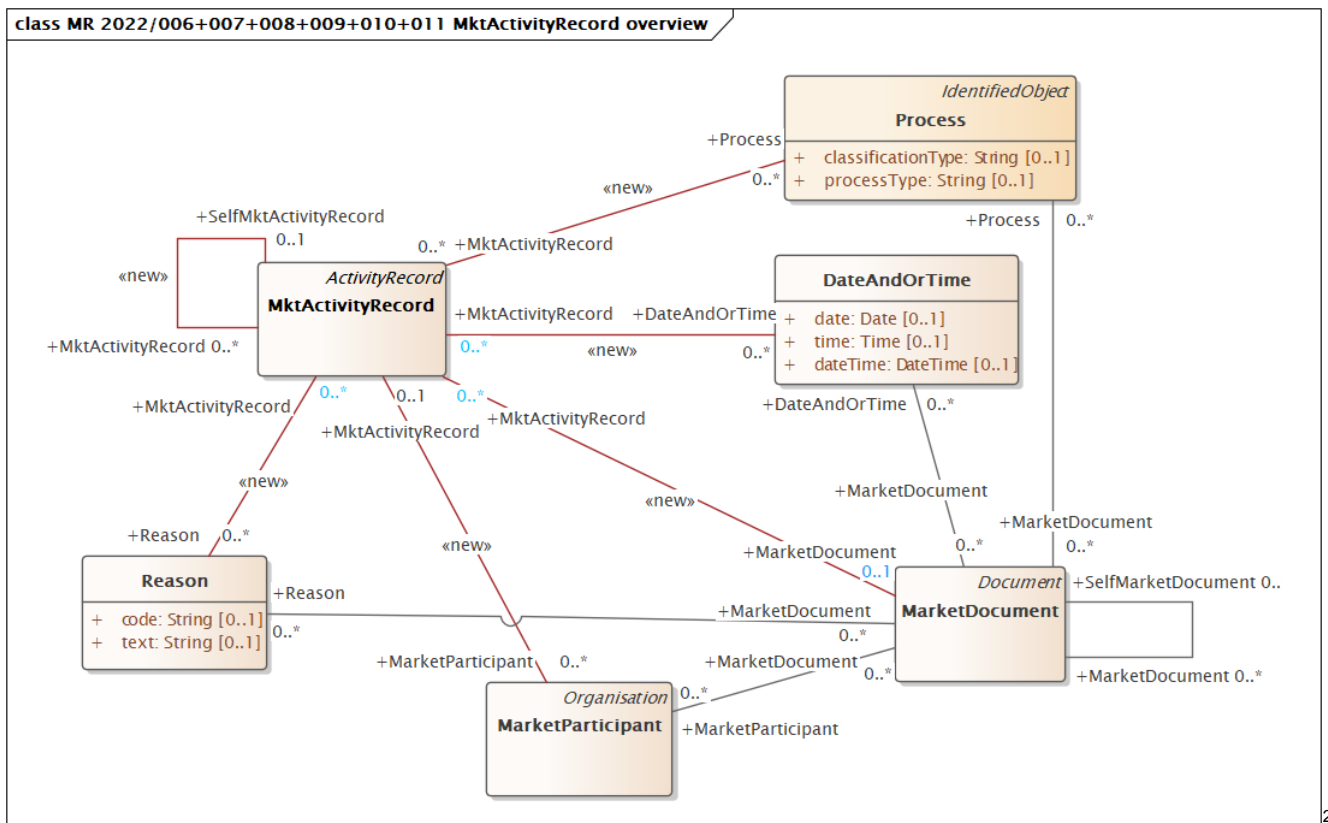
1 General Information

Date of submission:	12/05/2022
Submitter Name:	Jan Owe
Organisation:	Svenska kraftnät
E-mail:	jan.owe@svk.se
Maintenance Request ID	ebIX® 2022/007
Maintenance Request Version	3
Maintenance Request title	New association from MktActivityRecord to DateAndOrTime

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, ebIX® has found the need for a many-to-many association between MktActivityRecord and MarketDocument:



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.

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 DateAndOrTime is typically used for:

- A start date and/or end date, such as for start or end of supply.
- A snapshot date, such as when the master data from a MarketEvaluationPoint was extracted from the database, telling the situation in the database at a specific date and time. The date can then be another date than when the message was exchanged.
- A Validity date, i.e., the date when an event or object was or will be valid.
- Or a combination of two or more dates.

To have the 301 standard as open as possible we suggest having also the cardinality at the MktActivityRecord side repeatable [0..*]. For instance, to be used for sending a set of events (MktActivityRecord) for a specific date.

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)

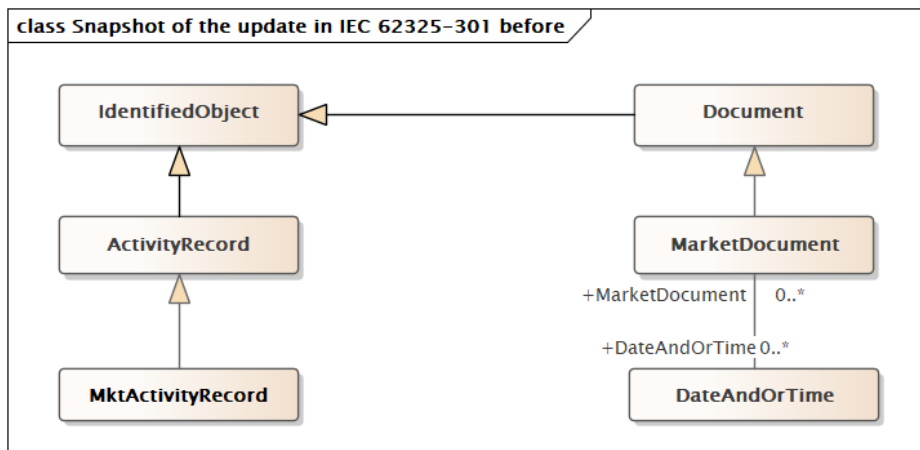
4.1.1 Description of the change/update

Add an association from MktActivityRecord to DateAndOrTime. I.e. a MktActivityRecord class [0..*] can be associated with zero or more other DateAndOrTime classes [0..*] and opposite, a DateAndOrTime class [0..*] can be associated with zero or more MktActivityRecord classes.

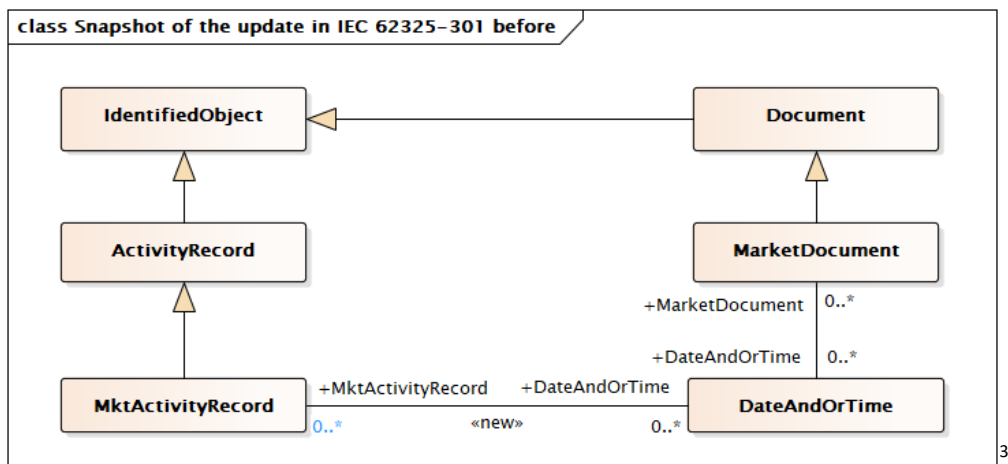
4.1.2 Reference to XMI (Optional)

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



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)

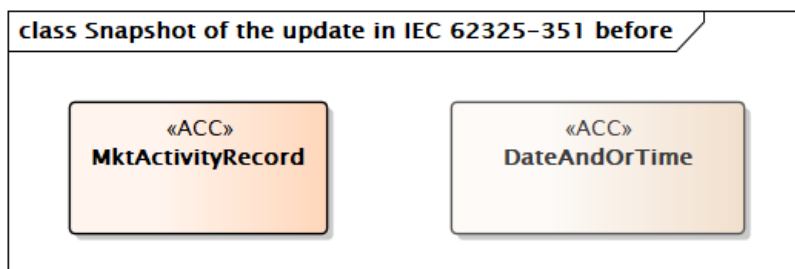
4.2.1 Description of the change/update

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

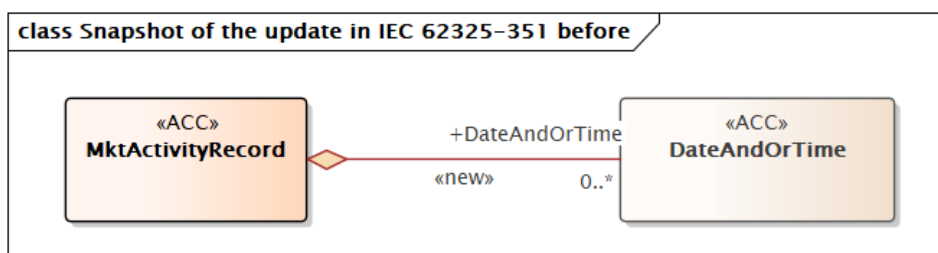
4.2.2 Reference to XMI (Optional)

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



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

4.2.4.1 Class and attributes descriptions

This MR concerns only addition of an aggregation.

5 Final agreement

Agreed May 2022.