
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:	19/06/2023
Submitter Name:	Jan Owe
Organisation:	Svenska kraftnät
E-mail:	jan.owe@svk.se
Maintenance Request ID	ebIX® 2022/021
Maintenance Request Version	2
Maintenance Request title	Add the «ACC» ChargeComponent with the attribute equation and an association to ChargeType to ESMP (62325-351).

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

2.1 Background and UseCases

When exchanging information related to a common grid and supplier billing process between the Grid Company and the Energy Supplier, it may be a need to specify the “Charge algorithm” (equation) used for calculating the amount for this charge. Hence, this MR suggest adding the «ACC» ChargeComponent with the attribute equation and an association to ChargeType to ESMP.

ChargeType class is requested add to ESMP in ebIX® MR 2022/020.

The need for the charge algorithm is among others specified in the [ebIX® BRS for Combined grid and supply billing](#).

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

This MR suggest addition of the «ACC» ChargeComponent with the attribute equation and an association to ChargeType to ESMP.

4 Description of the update

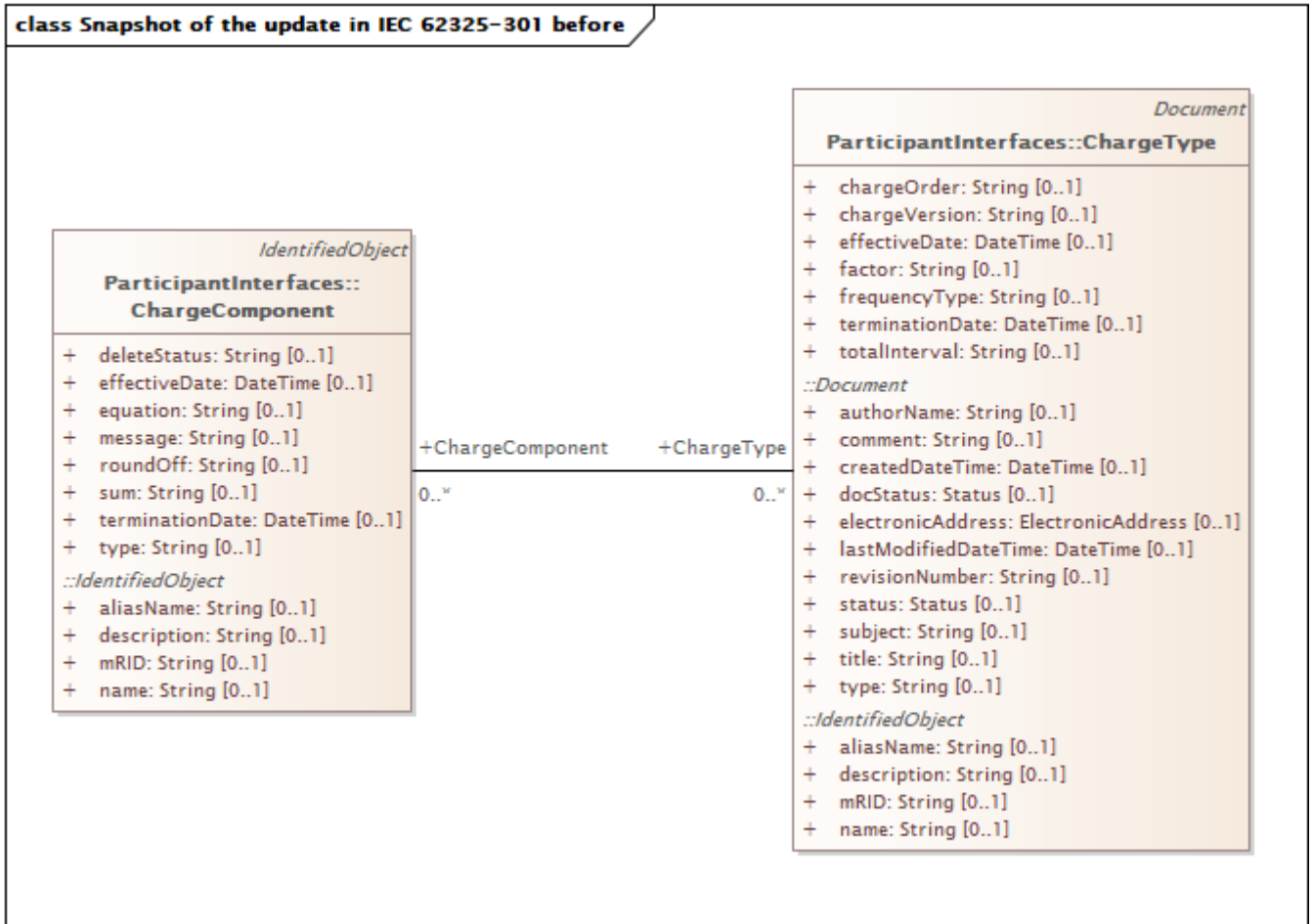
4.1 This request applies an update of IEC 62325-301 (If yes, please fill the points below)

Move the class ChargeType to the MarketCommon package.

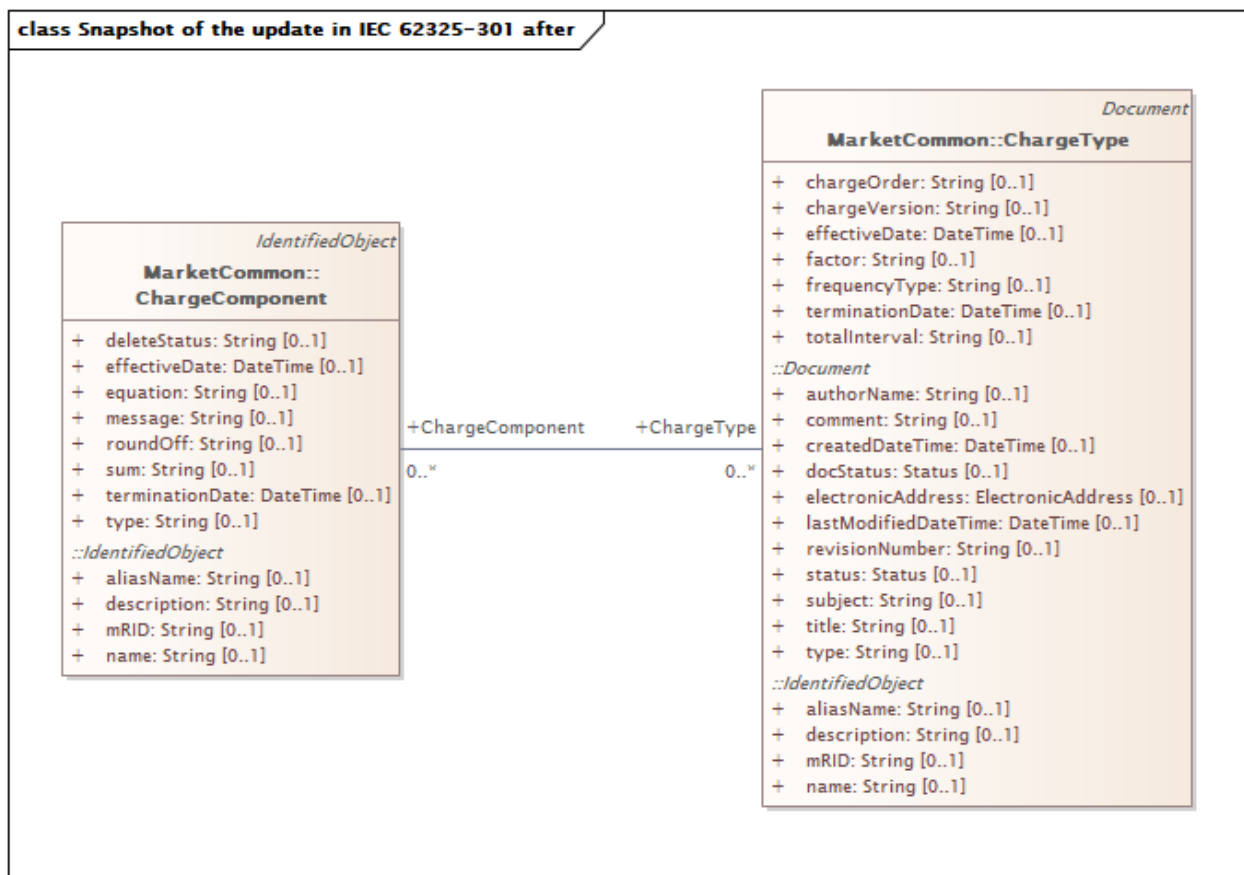
4.1.1 Reference to XMI (Optional)

None.

4.1.2 Snapshot of the update in IEC 62325-301 before



4.1.3 Snapshot of the update in IEC 62325-301 after



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

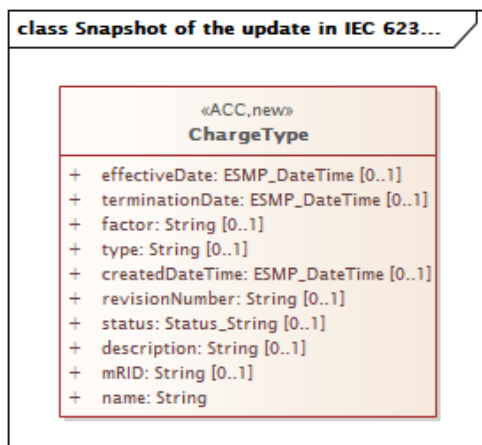
4.2.1 Description of the change/update

Add the «ACC» ChargeComponent with the attribute equation and an association to ChargeType to ESMP (already present in 62325-301).

4.2.2 Reference to XMI (Optional)

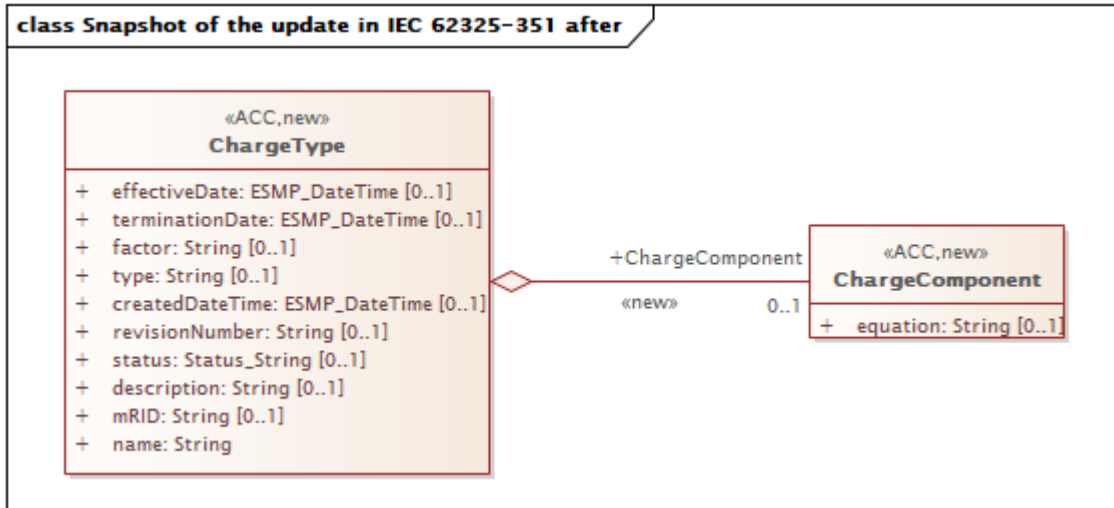
None.

4.2.3 Snapshot of the update in IEC 62325-351 before²



² **Note:** ChargeType is requested added to ESMP in the MRs ebIX® 2022/020

4.2.4 Snapshot of the update in IEC 62325-351 after



4.2.4.1 Class and attributes descriptions

ChargeComponent class:

Definition from IEC62325/ MarketOperations/ParticipantInterfaces:

A Charge Component is a list of configurable charge quality items to feed into settlement calculation and/or bill determinants.

Proposed definition in ESMP:

A Charge Component is a list of configurable charge quality items to feed into settlement calculation and/or bill determinants.

ChargeComponent attribute **equation**:

Definition from IEC62325/MarketOperations/ParticipantInterfaces/equation:

Actual charge equation using Excel like formulas and Bill Determinant names.

Proposed definition in ESMP:

A textual description of the algorithm used for calculating the amount for this charge.

5 Final agreement

Retail SG agrees to send this MR for ESMP and WG16 review