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# IEC TC57 WG16

## MAINTENANCE REQUEST

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### Maintenance notice:

This template needs to be completed and sent to: [WG16Part301@iectc57.org](mailto: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<sup>1</sup>.

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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<sup>1</sup> 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:	<a href="mailto:jan.owe@svk.se">jan.owe@svk.se</a>
Maintenance Request ID	ebIX® 2022/35
Maintenance Request Version	2 (updated October 27 <sup>th</sup> , 2023): <ul style="list-style-type: none"><li>The attribute VATLevel in figure 4.1.3 and 4.2.4 is changed to optional, [0..1].</li></ul>
Maintenance Request title	Add the attribute VATLevel (String) to the new ChargeType class in 62325-301 and 62325-351).

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

### 2.1 Background and UseCases

In some European countries there may be a lowered VAT level for some Customers or products, such as for green houses and the Energy Supplier needs this information to bill its Customers correctly. Hence, this MR suggests addition of the attribute VATLevel to ChargeType in basic CIM and ESMP.

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

The attribute is among others used 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 attribute VATLevel to the ChargeType class in ESMP.

## 4 Description of the update

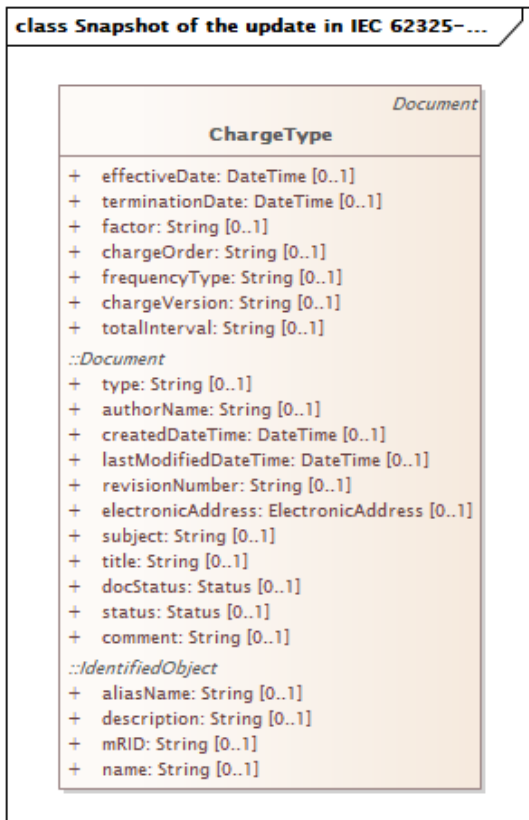
### 4.1 This request applies an update of IEC 62325-301 (If yes, please fill the points below)

Add the attribute VATLevel of type «String» to the ChargeType class in the TC57CIM/IEC62325/MarketOperations/ParticipantInterfaces package. The reason for suggesting «String» is that it allows the actual implementation to choose whether to use a percentage or an «enumeration».

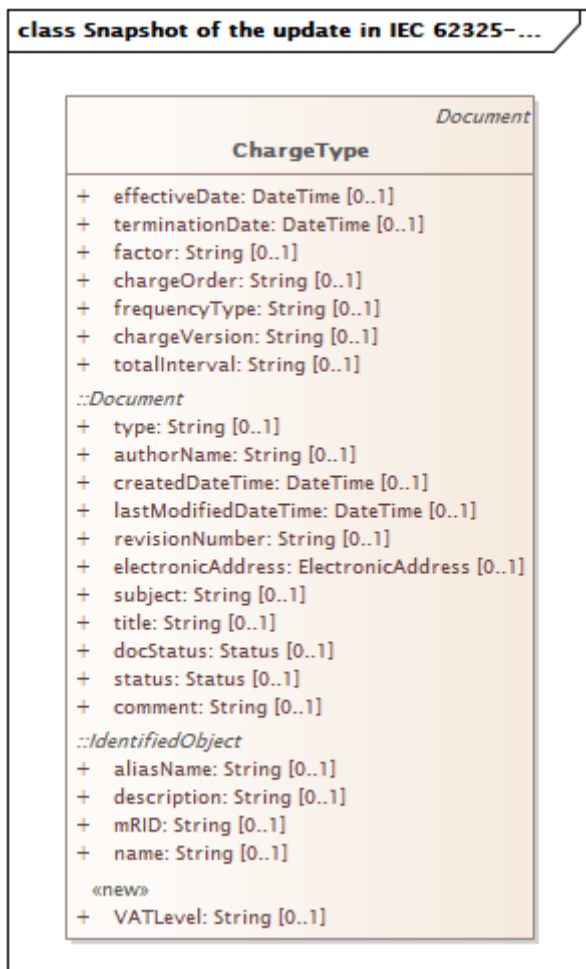
#### 4.1.1 Reference to XMI (Optional)

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



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)

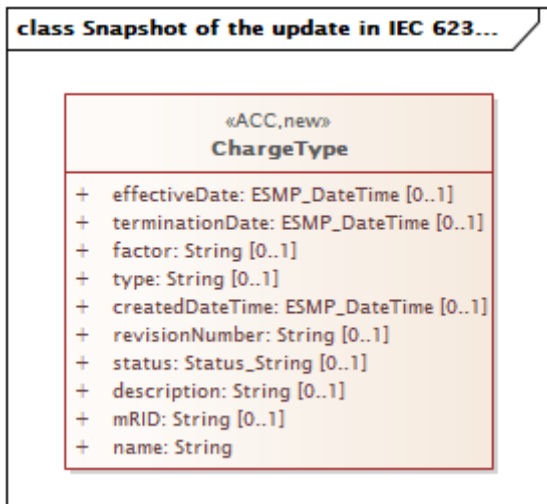
### 4.2.1 Description of the change/update

Add the attribute VATLevel to the ChargeType class in ESMP (IEC62325-351/ESMPClasses/ChargeType). The datatype of the VATLevel attribute is suggested to be «String».

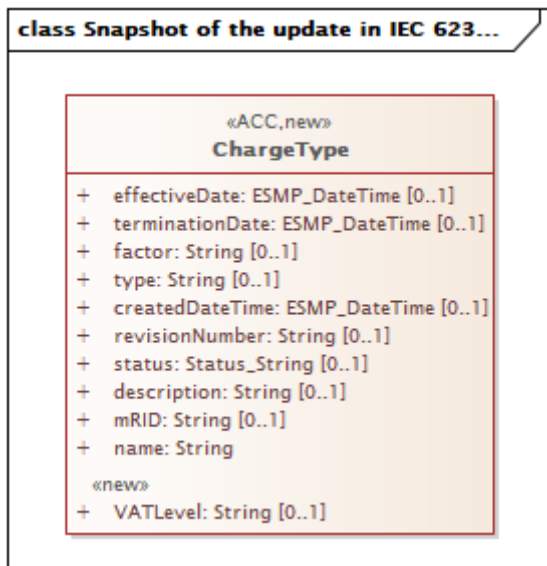
### 4.2.2 Reference to XMI (Optional)

None.

### 4.2.3 Snapshot of the update in IEC 62325-351 before<sup>2</sup>



### 4.2.4 Snapshot of the update in IEC 62325-351 after



#### 4.2.4.1 Class and attributes descriptions

We suggest the following definition for the attribute VATLevel in ChargeType:

The level for VAT percentage for this charge.

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

## **5 Final agreement**

Agreed by SG to forward it to ESMP & WG16 for review