HubBroker iPaaS GLMapping Specification

Document Owner: **Jens Toke Lausen**
Application Management Central Applications

November 2017

Table of Contents

1. Introduction

HubBroker iPaaS e-Procurement provides functionality where G/L accounts are mapped towards product categories and account assignment categories. This functionality enables to:

- Define a default G/L account during the shopping cart creation
- Validate the a selected G/L account for the shopping cart item during creation and changes of a shopping cart

Instead of maintaining and manually uploading lists with G/L Mappping information customers can choose to submit this masterdata in XML format via a standard SOAP webservice interface to the changes of a shopping cart integration platform. From there it will be uploaded to changes of a shopping cart e-Procurement where after successful validation existing G/L mapping data gets replaced.

The GLMapping document is wrapped into a SOAP envelope and submitted via HTTPs/POST to changes of a shopping cart. The changes of a shopping cart's standard SOAP envelope version is SOAP 1.2.

2. Purpose

The purpose of this document is to provide details about the HubBroker iPaaS GLMapping document type.

In addition to this document there is a structured spreadsheet providing the structure of the GLMapping document in a collapsible format with xPaths, cardinality and description.

3. Validation

Any GLMapping document sent to HubBroker iPaaS must be valid according to its XML schema and to the requirements set by HubBroker iPaaS eProcurement as target application where the data shall be uploaded to.

3.1   Schema Validation

A successful web service call means that the provided SOAP-message is valid according to the XML-schema. In this case a standard HTTP response code 200 OK is returned to the sending server including a SOAP Success response.

In case of inbound validation failures HubBroker iPaaS will respond synchronously with a HTTP 400 response code back to the sender's server.

3.2   Business Logic Validation

The actual updates in the HubBroker iPaaS e-Procurement system will be done asynchronously after a validation based on business logic has been passed successfully.

The business logic validation considers the following checks:

"   Is a correct company code provided?

"   Are all provided account assignment categories available in the system?

"   Is the provided product category on a correct format?

"   Is the GL-account available in the system?

The error handling for business logic inconsistence, such as faulty company code, GL-account and product category will be handled so that no update is performed in the e-Procurement system and the customer will be notified that the GL-mapping upload failed (Application Response via email). The customer will in this case have to correct the error and re-post the message.

4.   GLMapping

The content of this document includes all mappings between product category and G/L Accounts that will be used by a specific company in HubBroker iPaaS eProcurement.

To ensure a correct interface procedure HubBroker iPaaS expects **separate** files per company identified by the company ID in the XML header (*/GLMapping/GLMappingHeader/CompanyCode*). The upload files must always be full. It is not possible to send delta uploads.

The G/L accounts in this document must have been uploaded via the Cost Objects interface prior to the G/L Mapping upload. Product categories are maintained manually in HubBroker iPaaS eProcurement. Changes can be requested via HubBroker iPaaS Service Desk.

If the document contains G/L accounts and/or product categories that do not exist in HubBroker iPaaS e‑Procurement the upload won´t be performed.

4.1.1   Purpose code

/GLMapping/GLMappingHeader/Purpose indicates the type of update. The only allowed value is:

- "FullUpdate"

4.1.2   CompanyCode

The company code that the GL-account mapping should be valid for is stored in

/GLMapping/GLMappingHeader/CompanyCode

Note that "*"as wild-card character or company groups are not supported. It must be one unique company code.

4.1.3   IssueDate

The document's issue date (optional) is expressed as date plus timestamp with optional offset from GMT in */GLMapping/GLMappingHeader/IssueDate*.

(Format: YYYY-MM-DDTHH:MM:SS [[+-]HH:MM]).

Example: 2011-03-12T06:35:03-06:00

4.1.4　AccountAssignmentCategory

The account assignment category is stored as a string in
*/GLMapping/GLMappingDetail/ListOfAccountMapping/AccountMapping/AccountAssignmentCateg
ory*, e.g.: ZCC, ZOR, ZWBS, etc.

Note that "*"as wild-card character is <u>not</u> supported.

4.1.5　ProductCategory

/GLMapping/GLMappingDetail/ListOfAccountMapping/AccountMapping/ProductCategory
The product category which the mapping is supported for. "*" is allowed as wild-card character in
any position of the string as long as it's the last one. Examples: "TEN210303", "TEN21*" and "*".

4.1.6　Item value information

The following information is only required if the customer utilizes GL mapping of type
"ZBBP_DET_ACC4":

ItemValueFrom

The lower threshold value for a mapping on item values. Example: 5000.00

ItemValueTo

The higher threshold value for a mapping on item values. Example: 10000.00

Currency

The currency in which the *ItemValueFrom* and *ItemValueTo* are provided. If provided, this needs
to be a valid currency ISO-code.

Including these optional fields as empty tags (e.g. <ItemValueFrom/> or
<ItemValueFrom></ItemValueFrom> will result in an error, thus these tags should only be sent if
required.

4.1.7　GLAccount

The GL-account that should be mapped for the provided account assignment category, product
category and potentially item value.

/GLMapping/GLMappingDetail/ListOfAccountMapping/AccountMapping/GLAccount

Note that "*"as wild-card character is <u>not</u> supported.

4.1.8　Default indicator

Indicator telling if the current mapping should be seen as the default one.

If there are several GL accounts connected to the same Product Category and the users shall
automatically be presented with a default GL Account in the HubBroker iPaaS eProcurement
GUI customers can use this option to set the default GL account. If no GL account is set as
default the users will have to actively choose a GL account from a list when an item is added to
the shopping cart.

4.2　Upload to HubBroker iPaaS e-Procurement

The interface will always be executed in FULL-mode, which means that all existing mapping
information for the concerned company code first will be removed before the new information is
inserted. This interface does <u>not</u> support DELTA uploading of GL mapping data.

All existing mapping information for the company code will be removed regardless if the provided mapping information only is for a certain account assignment category. This means that the interface call always must contain mappings for all the account assignment categories that are used in the company code.

5. Example:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<GLMapping xsi:noNamespaceSchemaLocation="GLMapping.xsd"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
        <GLMappingHeader>
                <Purpose>FullUpdate</Purpose>
                <CompanyCode>String</CompanyCode>
        </GLMappingHeader>
        <GLMappingDetail>
                <ListOfAccountMapping>
                        <AccountMapping>
                                <AccountAssignmentCategory>String</AccountAssignmentCategory>
                                <ProductCategory>String</ProductCategory>
                                <GLAccount>String</GLAccount>
                                <DefaultIndicator>Y</DefaultIndicator>
                        </AccountMapping>
                </ListOfAccountMapping>
        </GLMappingDetail>
</GLMapping>
```