

## Invoice process project

# Business Process Modelling and Business Transactions Class Diagram

## 1. Objectives

### 1.1 Purpose

The purpose of the project is to create Business Process Models and the Business Class Diagrams for documenting business scenarios and the business transactions involved in the Invoice Process for trading parties. The output will be used to obtain and validate the XML messages to support the business transactions.

### 1.2 Scope

The invoicing cycle provides for the transmission, at a certain point in time, between the supplier and the customer of goods and/or services, of the information about the amounts due for the goods and/or services that have been supplied.

This document describes the variants of invoicing in use. It considers the legal statement and to a certain extent, the corrections of a previously sent invoice by using credit notes or debit notes.

In detail the following functions are part of the invoicing cycle:

- The treatment of the traditional or supplier initiated invoice
- The treatment of the self-billing or customer initiated invoice
- The treatment of the freight invoice
- The treatment of an inaccurate invoice
- The reconciliation of an inaccurate invoice.

The payment and remittance procedures are not part of the invoicing cycle, but are detailed in the payment cycle.

## 2. Deliverables

The deliverables from the project are:

- A catalogue of Business Process Models covering the Invoice Process.
- A guide for users which enables them to select the model appropriate to their needs.
- A guide for users which enables them to select the relevant transaction appropriate to their needs.
- The class diagrams of the business transactions for the creation of the XML schemas.

## 3. Functional Expertise of Membership

The project team is a group of experts with broad knowledge in the areas of e-Business and most particularly in respect to the industries and their customers, from the perspective of the supplier, buyer and service logistic provider.

*Note: A project team at European level already exists and is in operation. It has been drawn from eBES – EEGI resources. Each UN/CEFACT head of delegation may designate one or more experts to the new project team. Experts are expected to contribute to the work based solely on their expertise.*

## 4. Focus

The focus is global within the functional area of the Invoice Process.

## 5. Initial Contributions

The following contributions are submitted as part of this proposal the Business Requirement Specification of the:

- eBES /EEG1 – Invoice Process
- eBES/EEG1 – Invoice

*Note: These are for consideration by the project team. Other participants are expected to submit their own contributions in order to ensure the gathering of as much information as possible from those with expertise and a material interest in the project but at the same time allow diverse voices to comment on the details of the projects and ensures that no single organization can dominate the process.*

## Statement of resource requirements

Resources required are business user experts with a broad knowledge in the area of e-Business and Invoice Process, from the Supplier, Buyer and Logistic service provider's point of view. Modelling expertise is also required within the group.

*Note: The project does not require any additional resources from the UN/ECE secretariat. Modelling expertise and project management are available and have already been assigned from within the functional area as follows:*

*Project Leader: Freddy De Vos*

*European Convener: Mounir El-Khoury*

*Modellers: TBD*

*Business Experts: Invoice Process experts*