

Introduction to the Drybridge Facilitator

The Drybridge Facilitator supports schema development and use through the support of documentation, change control management, and schema subsets. Taming complex industry standard schemas is key for the effective implementation of trading partner agreements; the Drybridge Facilitator permits integrators to focus on the schema elements that are important to their business - creating more rigorous schema definitions that are still compliant with the base schema.

The Drybridge Facilitator compares schema subsets and prepares detailed analysis of the differences permitting upgrades to new versions to be rapidly completed. Based on the schema, the subset and a data dictionary the Facilitator generates user-friendly documentation for the entire standard or only the items required.

The Drybridge Facilitator helps manage the complexity of schemas without masking their important details. The Facilitator benefits integrators by guiding them through the process of analyzing schema, preparing mapping discussion documents, and then following through with usable XML based solutions.

Accessing the Drybridge Facilitator

Drybridge Consulting provides several applications in an on-line demonstration mode. The single point of access is the Drybridge Project Gateway. A valid email address is required; we will sparingly use this email address to contact you with information about the application.

A fully functional version of the Drybridge Facilitator is available at www.drybridge.com. Click on the "Registered Users" link in the header area of the site to be taken to the sign-in window. When you initially register you will be granted inquiry access, to be granted additional functionality please contact Arthur Colman.



Schema Review without Subset

With a project and schema identified you can review schema information and associated documentation. The Schema Review window is broken down into an Upper Pane, a Middle Pane, and a Lower Pane. The Middle Pane has a Tree View on the left and Schema and Subset Information on the right.

- The Upper Pane is used to identify the Project, Schema, and later the Subset that you want to review.
- The Tree View provides a hierarchical view of the schema elements, attributes, and enumerations. Information about the selected item is shown in the Schema Information Pane, the Subset Information Pane, and in the Lower Documentation Pane.
- The Lower Pane shows the documentation associated with the element, attribute, or enumeration. The associated documentation is also shown as a mouse-over text associated with each tree view node.



The panes are resizable permitting you to maximize your input or inquiry areas.

Schema Review with Subset

Select a Project, Schema, and Subset; then click the “Start” button to load the schema tree-view. In addition to the schema information you have the ability to update Subset Information amending schema cardinality information, documentation settings, and the definition.

Subset Information

In the Subset Info area you have the ability to:

- Entirely exclude the item from your schema subset
- Adjust its existence (mandatory or optional)
- Adjust its occurrence (single or repeatable)



When the “Enforce Cardinality” option is set to true for the project you are restricted from making invalid adjustments to the schema.

Subset Notes

In this case a subset specific definition (a subset note) already existed so the radio-button in the Definition Info area was marked and the editor area was input enabled. If there was no subset note then the base definition would be displayed and you would have to select the subset radio-button to allow entry of a note. (To delete a subset note you just clear the entry.)

Documentation

This window provides the ability to generate documentation for projects, schema, subsets, and change controls. The following main types of documentation are available:

- Message Documentation
- Data Dictionary Documentation
- Change Control Analysis
- Change Control Listing

The Drybridge Facilitator allows you to quickly create documentation using definitions from the base standard, plus notes from your subset. Additionally, you can apply free format document components (typically business scenarios, business rules, and additional explanatory material).



Printing documentation can be as easy as selecting the Project, Schema, Subset (if desired), and then identifying which type of report you want to produce. You can also modify the initial special print options. Additionally, you can apply free format document components (typically business scenarios, business rules, and additional explanatory material). More information about the various means by which you can tailor your documentation are described in the full documentation for the Drybridge Facilitator.

Message Documentation

Documentation for a single message. Message documentation focuses on the root and primary elements for a single schema. You can embellish this documentation with reusable free-format content that can appear prior to the schema information or after the schema information.

Data Dictionary Documentation

Documentation for all schemas in a project. A Data Dictionary prints every element, attribute, and enumeration for all schemas in a project. You can embellish this documentation with reusable free-format content that can appear prior to the dictionary entries.

Change Analysis Documentation

Change controls for a particular project are analyzed as to the items that they impact. Data dictionary-like documentation is printed with the change controls listed in the item, organized by item.

Change Control Listing

A listing of change controls, optionally restricted by status. Including all discussion notes.

Report Samples

Data Dictionary, Message Document Element Entry

papiNet Standard Version 2.31
Invoice

Invoice
The root element of the Invoice message.

InvoiceType [attribute]
InvoiceType is mandatory. A single instance is required.

Defines the various types of invoices. The Invoice has been checked and found compliant with the EU Council Directive 2001/115/EC in force from 1 January 2004 in existing EU Member States and from 1 May 2004 in the Accession Countries. Directive 2001/115/EC harmonises, simplifies and modernises invoicing obligations on traders when they sell products or services that are subject to Value Added Tax (VAT). It also creates an EU legal framework for electronic transmission and storage of invoices. Use http://www.eic.ie/legislation/vat_invoicing.htm for additional information.

Types of invoices not covered in this standard include:

- Delcredere – An invoice sent to the party paying for a number of buyers
- Factored – An invoice assigned to a third party for collection

This item is restricted to the following list.

Approximate
An invoice that is created to record ownership transfer without the material physically being moved. Typically what occurs is that the buyer has agreed to take ownership of the item at a certain point in time but has not arranged for transportation. Approximate invoices are invoices that are claiming payment.

Duplicate
To be removed in a future version. When an invoice is reissued as a duplicate the invoice type should be the same as on the original invoice. Use attribute Reissued = Yes to indicate a duplicate.

Invoice
A regular invoice (referred to as an invoice) is a message claiming payment for goods supplied under conditions agreed to between seller and buyer. The invoice

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Data Dictionary, Message Document Attribute Entry

papiNet Standard Version 2.31
Invoice

InvoiceType [attribute]

Defines the various types of invoices. The Invoice has been checked and found compliant with the EU Council Directive 2001/115/EC in force from 1 January 2004 in existing EU Member States and from 1 May 2004 in the Accession Countries. Directive 2001/115/EC harmonises, simplifies and modernises invoicing obligations on traders when they sell products or services that are subject to Value Added Tax (VAT). It also creates an EU legal framework for electronic transmission and storage of invoices. Use http://www.eic.ie/legislation/vat_invoicing.htm for additional information.

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Business Rules for Invoice

General Business Rules

The following table lists the business rules that apply to all invoice message types. Rules that apply to a single invoice message type are described in separate tables.

Identifier	Business Rule
INV001	Invoice corrections are handled by the seller using the papiNet CreditDebitNote.
INV002	Invoice cancellations are handled using the papiNet CreditDebitNote.
INV003	An Invoice message can refer to one or more customer purchase orders, goods receipts, or usage e-business documents. <ul style="list-style-type: none"> • Note: Some buying parties will require that an Invoice refer to a single order. This is an implementation decision fully supported by the message structure.
INV004	An Invoice message can refer to one or more PurchaseOrderLineItem(s), GoodsReceiptLineItem(s), or UsageLineItem(s).

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Arthur Colman
colman@drybridge.com
www.drybridge.com

Drybridge Consulting