



Creating A Single Global Electronic Market

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The Initial Core Components Catalogue

ebXML Core Components

23 March 2001
Version 1.02

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12 **1 Status of this Document**

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15 This document is an ebXML White Paper for the eBusiness community.

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17 Distribution of this document is unlimited.

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19 The document formatting is based on the Internet Society's Standard RFC format.

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21 ***This version:***

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23 ebXML Initial Core Components Catalogue Ver 1.02

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2 ebXML participants

We would like to recognize the following for their significant participation to the development of this document.

All participants of the Core Component Team, and the between-meeting Domain Discovery Groups.

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4 Introduction

4.1 Summary of Contents of Document

In conjunction with the Context and Methodology sub-groups within BP/CC a framework for the results of the core component's analysis was agreed. This framework is in the form of an excel spreadsheet and this document describes the data captured in the framework.

The keywords MUST, MUST NOT, REQUIRED, SHALL, SHALL NOT, SHOULD, SHOULD NOT, RECOMMENDED, MAY, and OPTIONAL, when they appear in this document, are to be interpreted as described in RFC 2119 [Bra97].

4.2 Audience

The target audiences for this document include business domain experts and technical experts.

4.3 Related Documents

Other documents provide the detailed definitions and possible inter-relationships of some of the material contained in this document.. They include ebXML documents on the following topics:

Core Component and Business Process Document Overview Ver 1.??

This covers the documents:

- ebXML Business Process specification schema Ver1.??
- ebXML Methodology for the Discovery and Analysis of Core Components Ver1.??
- ebXML Naming conventions for Core Components and Business Processes Ver 1.??
- ebXML The role of context in the re-usability of Core Components and Business Processes Ver1.??
- ebXML Specification for the application of XML based assembly and context rules Ver1.??

5 Design Objectives

A standard set of core aggregate information entities derived from analysis of components submitted by domain discovery groups. The initial analysis is being conducted by a cross industry team within CC/BP. The domain groups used various processes and methodologies in examining their current business processes to determine which data components are essential to meeting their business requirements.

Analysis was initially completed on the aggregate information entities and their embedded entities as shown in the Initial Core Components Catalog Ver1.01 (Appendix A). Since the ebXML methodology for determining how aggregate information entities are derived was not complete when the core component analysis was started, the initial ebXML Initial Core Components Catalogue

analysis has been through trial and error. However, when the methodology is completed and approved, it will be applied to the current catalogue and used in future work..

Additional aggregate and embedded entities have been submitted from the domain groups and the analysis of these will be completed in future meetings.

6 System Overview

6.1 Functionality

This is described in other documentation covered by the document Core Component and Business Process Document Overview, primarily “ebXML Methodology for the Discovery and Analysis of Core Components Ver1.??”.

6.2 Scope

This is described in other documentation covered by the document Core Component and Business Process Document Overview, primarily “ebXML Methodology for the Discovery and Analysis of Core Components Ver1.??”.

6.3 Definition and Scope

Analysis has initially been completed on a small number of aggregate information entities. Analysis will be completed at future meetings on all proposed aggregates submitted by domain groups.

6.4 Result of Analysis

In conjunction with the Context and Methodology sub-groups within BP/CC the following framework for the results of the core component’s analysis was agreed.

Table 1 - Analysis Framework

Analysis Field Headings

Line number	For reference purpose only
UID	Unique identifier
Aggregate Information Entity	Defines a functional unit representation form that contains embedded information entities.
Embedded Entity	An information entity within an aggregate information entity.
Component re-used	To specify the information entity that is re-used

Type	Type of the embedded entity. Basic or Aggregate.
Required	To specify if the entity is required as part of the minimum entity data requirements.
Min Max Constraints	Indicates the maximum and minimum number of occurrences of the information entity that are permitted within this aggregate information entity.
Official dictionary entry name	The component name consisting of an object class, property term and representation type.
Definition	The real business use of the entity.
Remarks	Information and/or references related to the entity.
Dictionary entry name - object class	The logical data grouping to which a data element belongs.
Dictionary entry name – property term	The distinguishing characteristic of the business entity.
Dictionary entry name – representation type	The form of the set of valid values for an information element.
Synonyms	Common business terms for the entity.

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118 **7 Appendix A**

119 Note that the catalogue of initial Core Components can be found in the Microsoft Excel
 120 spreadsheet entitled *Initial Core Components Catalogue Ver 1.02 (Appendix A).xls*
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122 **8 Disclaimer**

123 The views and specification expressed in this document are those of the authors and are
 124 not necessarily those of their employers. The authors and their employers specifically
 125 disclaim responsibility for any problems arising from correct or incorrect implementation
 126 or use of this design.

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159 **Copyright Statement**

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