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Creating A Single Global Electronic Market

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# **The Initial Catalog of Core Components**

## **ebXML Core Components**

16 February 2001  
Version 1.01

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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.

16

17 Distribution of this document is unlimited.

18

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 catalogue of core components Ver1.01

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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 the analysis result framework was agreed.

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

As mentioned above, other documents provide the detailed definitions of some of the material and of their inter-relationship. They include ebXML documents on the following topics:

Core Component and Business Process Document Overview

This covers the documents:

- ebXML Business Process specification schema Version 1.01
- ebXML Methodology for the Discovery and Analysis of Core Components Version 1.01
- ebXML Naming conventions for Core Components and Business Processes Version 1.01
- ebXML The role of context in the re-usability of Core Components and Business Processes Version 1.01
- ebXML Specification for the application of XML based assembly and context rules Version 1.01

## 5 Design Objectives

A standard set of core aggregate information entities derived from analysis of components submitted by domain discovery groups.

Analysis was initially completed on the aggregate information entities and their embedded entities as shown in the Initial Catalog of Core Components Version 1.01 (see Appendix A). 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 Version 1.01”.

### 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 Version 1.01”.

### 6.3 Definition and Scope

Analysis has initially been completed on a small number of aggregate information entities. Analysis will be completed 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 analysis result framework 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 actual aggregate 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.

Cardinality	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 the entity.

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## 110 **7 Appendix A**

111 Note that the initial catalogue of Core Components can be found in the Microsoft Excel  
 112 spreadsheet entitled *Initial Core Components Catalogue Ver 1.01 (appendix A).xls*  
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## 114 **8 Disclaimer**

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

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151 **Copyright Statement**

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154 To be defined