



---

Creating A Single Global Electronic Market

1  
2  
3  
4

# **The Initial Catalog of Core Components**

## **ebXML Core Components**

6  
7  
8

16 February 2001

9

Version 1.01

10

11

12 **1 Status of this Document**

13

14

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.

20

21 ***This version:***

22

23 ebXML Initial catalogue of core components Ver1.01

24

25 **2 ebXML participants**

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

28

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

31

32 **3 Table of Contents**

33 1 Status of this Document ..... 2

34 2 ebXML participants..... 3

35 3 Table of Contents ..... 4

36 4 Introduction ..... 5

37 4.1 Summary of Contents of Document..... 5

38 4.2 Audience..... 5

39 4.3 Related Documents ..... 5

40 5 Design Objectives ..... 5

41 6 System Overview ..... 6

42 6.1 Functionality..... 6

43 6.2 Scope ..... 6

44 6.3 Definition and Scope..... 6

45 6.4 Result of Analysis ..... 6

46 7 Appendix A ..... 7

47 8 Disclaimer ..... 7

48 9 Contact Information ..... 8

49 Copyright Statement..... 9

50

## 51 **4 Introduction**

### 52 **4.1 Summary of Contents of Document**

53 In conjunction with the Context and Methodology sub-groups within BP/CC the analysis  
54 result framework was agreed.

55  
56 The keywords MUST, MUST NOT, REQUIRED, SHALL, SHALL NOT, SHOULD,  
57 SHOULD NOT, RECOMMENDED, MAY, and OPTIONAL, when they appear in this  
58 document, are to be interpreted as described in RFC 2119 [Bra97].  
59

### 60 **4.2 Audience**

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

### 63 **4.3 Related Documents**

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

67  
68 Core Component and Business Process Document Overview

69 This covers the documents:

- 70 • ebXML Business Process specification schema Version 1.01
- 71 • ebXML Methodology for the Discovery and Analysis of Core Components Version  
72 1.01
- 73 • ebXML Naming conventions for Core Components and Business Processes Version  
74 1.01
- 75 • ebXML The role of context in the re-usability of Core Components and Business  
76 Processes Version 1.01
- 77 • ebXML Specification for the application of XML based assembly and context rules  
78 Version 1.01

## 79 **5 Design Objectives**

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

82  
83 Analysis was initially completed on the aggregate information entities and their  
84 embedded entities as shown in the Initial Catalog of Core Components Version 1.01 (see  
85 Appendix A). Additional aggregate and embedded entities have been submitted from the  
86 domain groups and the analysis of these will be completed in future meetings.  
87

88 **6 System Overview**

89 **6.1 Functionality**

90 This is described in other documentation covered by the document Core Component and  
 91 Business Process Document Overview, primarily “ebXML Methodology for the  
 92 Discovery and Analysis of Core Components Version 1.01”.  
 93

94 **6.2 Scope**

95 This is described in other documentation covered by the document Core Component and  
 96 Business Process Document Overview, primarily “ebXML Methodology for the  
 97 Discovery and Analysis of Core Components Version 1.01”.  
 98

99 **6.3 Definition and Scope**

100 Analysis has initially been completed on a small number of aggregate information  
 101 entities. Analysis will be completed on all proposed aggregates submitted by domain  
 102 groups.  
 103

104 **6.4 Result of Analysis**

105 In conjunction with the Context and Methodology sub-groups within BP/CC the  
 106 following analysis result framework was agreed.  
 107

108 **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.

109

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*  
 113

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.

**119 9 Contact Information**

120

## 121 Team Leader

122 Name Paula Heilig

123 Company Worldspan

124 Street 300, Galleria Parkway, N.W. MD57A1-1

125 city, state, zip/other Atlanta GA 30339-3196

126 Nation USA

127

128 Phone: 770-563-2891

129 EMail: paula.heilig@worldspan.com

130

## 131 Vice Team Lead

132 Name Marianne Cockle

133 Company APACS

134 Street Mercury House, Triton Court, 14 Finsbury Square

135 city, state, zip/other London EC2A 1LQ

136 Nation UK

137

138 Phone: +44-20-7711-6209

139 EMail: marianne.cockle@apacs.org.uk

140

## 141 Editor

142 Name James Whittle

143 Company e centre<sup>UK</sup>

144 Street 10, Maltravers Street

145 city, state, zip/other London

146 Nation UK

147

148 Phone: +44-20-7655-9022

149 EMail: james.whittle@e-centre.org.uk

150

151 **Copyright Statement**

152 Copyright © ebXML 2001. All Rights Reserved.

153

154 To be defined