



UN/CEFACT
DRAFT

United Nations Centre for Trade Facilitation and Electronic Business

1 **UN/CEFACT – Core Component Technical**
2 **Specification**

3 *Technical Corrigendum*

4 Version 2.01 (Corr. 1)

5 12 February 2007

6

Table of Contents

7	UN/CEFACT – Core Component Technical Specification	1
8	Table of Contents	2
9	1.0 Status of this Document	3
10	2.1 Disclaimer	3
11	2.2 Contact Information	3
12	2.0 Introduction to Technical Corrigendum 1 of CCTS V2.01	4
13	3.0 Rule C21 – DEN Parts of Speech	5
14	3.1 Current Rule C21	5
15	3.2 Corrected Rule C21.....	5
16	4.0 Rule C27 – Unique Properties of Object Classes	5
17	4.1 Current Rule C27	5
18	4.2 Corrected Rule C27.....	5
19	5.0 Rule B22 – DEN Parts of Speech	5
20	5.1 Current Rule B22	5
21	5.2 Corrected Rule B22.....	5
22	6.0 Rule B25 – Correct Naming of ASBIEs	6
23	6.1 Current Rule B25	6
24	6.2 Corrected Rule B25.....	6
25	7.0 Rule S28 – Cardinality of Data Type Qualifier Term.....	6
26	7.1 Current Rule S28.....	6
27	7.2 Corrected Rule S28.....	6
28	7.3 Corrected Metamodels	7
29	Copyright Statement	8

30 **1.0 Status of this Document**

31 This Technical Corrigendum is a part of the maintenance process in accordance with the
32 UN/CEFACT/TRADE/22 Open Development Process Step 8 (Maintenance). The
33 Techniques and Methodologies Group (TMG) has approved it for future implementation.

34 This document contains information to guide in the interpretation or implementation.

35 This version: UN/CEFACT Core Components Technical Specification Version 2.01,
36 Technical Corrigendum 1 of 6 February 2007.

37 Previous version: UN/CEFACT Core Components Technical Specification Version 2.01,
38 of 15 November 2003.

39 **2.1 Disclaimer**

40 The views and specification expressed in this document are those of the authors and are
41 not necessarily those of their employers. The authors and their employers specifically
42 disclaim responsibility for any problems arising from correct or incorrect implementation
43 or use of this technical specification.

44 **2.2 Contact Information**

45 TMG Chair: Gunther Stuhec, SAP AG, mail to: Gunther.stuhec@sap.com

46 TMG CCWG Chair: Jim Wilson, KCX, mail to: jim.wilson@kcx.com

47 **2.0 Introduction to Technical Corrigendum 1 of CCTS**
48 **V2.01**

49 During the use of CCTS V2.01 some rules have been identified that could be interpreted
50 in different ways and/or lead to an error in use. This Technical Corrigendum is an
51 outcome during the ODP 8 Step - Maintenance – and fixes those identified rules in order
52 that they can be unambiguously interpreted and used.

53 The following rules are corrected:

- 54 • C21 – The parts of speech used in Dictionary Entry Names
- 55 • C27 – The definition of unique Properties of an Object Class
- 56 • B22 – The parts of speech used in Dictionary Entry Names
- 57 • B25 – Correct naming of ASBIEs
- 58 • S28 – Cardinality of Data Type Qualifier Terms

59 The following metamodels are corrected:

- 60 • Figure 6-1
- 61 • Figure 6-2
- 62 • Figure 7-1

63 **3.0 Rule C21 – DEN Parts of Speech**

64 **3.1 Current Rule C21**

65 [C21] The *Dictionary Entry Name* shall only contain verbs, nouns and adjectives (i.e. no
66 words like and, of, the, etc.).

67 **3.2 Corrected Rule C21**

68 [C21] The *Dictionary Entry Name* shall only contain verbs, nouns and adjectives unless
69 a different part of speech is part of an official title, part of a term listed in the
70 *Oxford English Dictionary*, or part of a *Controlled Vocabulary*.

71 **4.0 Rule C27 – Unique Properties of Object Classes**

72 **4.1 Current Rule C27**

73 [C27] The name of a *Property Term* shall occur naturally in the definition and may
74 consist of more than one word. A name of a *Property Term* shall be unique within
75 the *Context* of an *Object Class* but may be reused across different *Object Classes*.

76 **4.2 Corrected Rule C27**

77 [C27] The name of a *Property Term* shall occur naturally in the definition and may
78 consist of more than one word. A *Basic Core Component Property Term* plus a
79 *Representation Term*, or an *Association Core Component Property Term* plus
80 associated *Object Class Term*, shall be unique within the *Context* of an *Object*
81 *Class* but may be reused across different *Object Classes*.

82 **5.0 Rule B22 – DEN Parts of Speech**

83 **5.1 Current Rule B22**

84 [B22] The *Dictionary Entry Name* shall only contain verbs, nouns and adjectives (i.e. no
85 words like and, of, the, etc.). This rule shall be applied to the English language, and
86 may be applied to other languages as appropriate.

87 **5.2 Corrected Rule B22**

88 [B22] The *Dictionary Entry Name* shall only contain verbs, nouns and adjectives unless
89 a different part of speech is part of an official title, part of a term listed in the
90 *Oxford English Dictionary*, or part of a *Controlled Vocabulary*.

91 **6.0 Rule B25 – Correct Naming of ASBIEs**

92 **6.1 Current Rule B25**

93 [B25] The *Dictionary Entry Name* of an *Association Business Information Entity* shall
94 consist of the following components in the specified order:

- 95 • the Object Class Term of the corresponding Association Core Component, and
96 possibly additional Qualifier Term(s),
- 97 • the Property Term of the corresponding Association Core Component, and
98 possibly additional Qualifier Term(s),
- 99 • the Object Class Term of the Association Business Information Entity on which
100 the corresponding Association Business Information Entity Property is based.

101 **6.2 Corrected Rule B25**

102 [B25] The DEN of an ASBIE shall consist of the following components in the specified
103 order:

- 104 • the object class term of the associating BIE, and possibly additional qualifier
105 term(s),
- 106 • the property term that reflects the nature of the association between object classes,
107 and possibly additional qualifier term(s),
- 108 • the object class term of the associated BIE, and possibly additional qualifier
109 terms(s).

110 **7.0 Rule S28 – Cardinality of Data Type Qualifier Term**

111 **7.1 Current Rule S28**

112 [S28] Stored *Data Types* shall include the following *Attribute*:

- 113 • **Qualifier Term** (mandatory): A semantically meaningful name that
114 differentiates the *Data Type* from its underlying *Core Component Type*. It
115 shall serve as basis for the *Dictionary Entry Name* of the *Data Type*.

116 **7.2 Corrected Rule S28**

117 [S28] Stored *Data Types* for *Business Information Entities* shall include the following
118 *Attribute*:

- 119 • **Qualifier Term** (optional): A semantically meaningful term that differentiates
120 the *Data Type* for a *Business Information Entity* from its underlying *Core*
121 *Component Type*. It shall serve as basis for the *Dictionary Entry Name* of the
122 *Data Type*.

123 **7.3 Corrected Metamodels**

- 124 • Figure 6-1: *Qualifier Term* removed from Data Type class
- 125 • Figure 6-2: The optional *Qualifier Term* only applies to *Data Types* for *BIE*
- 126 *Properties*.
- 127 • Figure 7-1: *Qualifier Term* removed from Data Type class

128 **Copyright Statement**

129 Copyright © UN/CEFACT 2007. All Rights Reserved.

130 This document and translations of it may be copied and furnished to others, and
131 derivative works that comment on or otherwise explain it or assist in its implementation
132 may be prepared, copied, published and distributed, in whole or in part, without
133 restriction of any kind, provided that the above copyright notice and this paragraph are
134 included on all such copies and derivative works. However, this document itself may not
135 be modified in any way, such as by removing the copyright notice or references to
136 UN/CEFACT except as required to translate it into languages other than English.

137 The limited permissions granted above are perpetual and will not be revoked by
138 UN/CEFACT or its successors or assigns.

139 This document and the information contained herein is provided on an "AS IS" basis and
140 UN/CEFACT DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED,
141 INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE
142 INFORMATION HEREIN WILL NOT INFRINGE ANY RIGHTS OR ANY IMPLIED
143 WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR
144 PURPOSE.