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Information technology — GS1 Core business vocabulary (CBV)

*Technologies de l'information — Vocabulaire relatif aux activités de
base GS1*

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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
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Core Business Vocabulary (CBV)

GS1 Standard

Version 1.1, May 2014





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GS1 Global Office

Avenue Louise 326, bte 10

B-1050 Brussels, Belgium

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2 Abstract

3 This GS1 Standard defines Version 1.1 of the Core Business Vocabulary (CBV). The goal of
4 this standard is to specify the structure of vocabularies and specific values for the vocabulary
5 elements to be utilized in conjunction with the GS1 Electronic Product Code Information
6 Services (EPCIS) standard for data sharing both within and across enterprises. The aim is to
7 standardize these elements across users of EPCIS to improve the understanding of data contained
8 in EPCIS events.

9 Audience for this document

10 The target audience for this standard includes:

- 11 • Users implementing the EPCIS standard for the purposes of capturing and sharing event data
12 in the supply chain.
- 13 • Parties interested in implementing EPCIS Accessing applications.
- 14 • Parties interested in implementing EPCIS Capture applications.

15 Status of this document

16 This section describes the status of this document at the time of its publication. Other
17 documents may supersede this document. The latest status of this document series is
18 maintained at GS1. See www.gs1.org/gsmf for more information.

19 This version of the GS1 CBV 1.1 Standard is the ratified version and has completed all GSMP
20 steps.

21 Comments on this document should be sent to gsmf@gs1.org.

22 Differences from CBV 1.0

23 CBV 1.1 is fully backward compatible with CBV 1.0 except as noted below.

24 CBV 1.1 includes these new or enhanced features:

- 25 • A new standard vocabulary for EPCIS source/destination type is added.
- 26 • Templates for new user vocabularies for EPCIS source/destination identifier, EPCIS
27 transformation identifier, and object classes are added.
- 28 • New business step, disposition, and business transaction type values are added. The
29 definitions of existing values are also clarified.
- 30 • Disposition values `non_sellable_expired`, `non_sellable_damaged`,
31 `non_sellable_disposed`, `non_sellable_no_pedigree_match`, and
32 `non_sellable_recalled` defined in CBV 1.0 are deprecated in favor of new



33 disposition values expired, damaged, disposed, no_pedigree_match, and
34 recalled introduced in CBV 1.1.

- 35 • RFC5870-compliant geocoordinate URIs are now permitted as location identifiers.
- 36 • The introductory material is revised to align with the GS1 System Architecture.

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139 **12 Acknowledgement of Contributors and Companies Opt'd-in during the Creation of**

140 **this Standard (non-normative)59**

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147 **1 Introduction – Core Business Vocabulary**

148 This GS1 Standard defines the Core Business Vocabulary (CBV). The goal of this standard is to
149 specify various vocabulary elements and their values for use in conjunction with the EPCIS
150 standard [EPCIS1.1], which defines mechanisms to exchange information both within and across
151 organization boundaries. The vocabulary identifiers and definitions in this standard will ensure
152 that all parties who exchange EPCIS data using the Core Business Vocabulary will have a
153 common understanding of the semantic meaning of that data.

154 This standard is intended to provide a basic capability that meets the above goal. In particular,
155 this standard is designed to define vocabularies that are *core* to the EPCIS abstract data model
156 and are applicable to a broad set of business scenarios common to many industries that have a
157 desire or requirement to share data. This standard intends to provide a useful set of values and
158 definitions that can be consistently understood by each party in the supply chain.

159 Additional end user requirements may be addressed by augmenting the vocabulary elements
160 herein with additional vocabulary elements defined for a particular industry or a set of users or a
161 single user. Additional values for the standard vocabulary types defined in this standard may be
162 included in follow-on versions of this standard.

163 This standard includes identifier syntax and specific vocabulary element values with their
164 definitions for these *Standard Vocabularies*:

- 165 • Business step identifiers
- 166 • Disposition identifiers
- 167 • Business transaction types
- 168 • Source/Destination types

169 This standard provides identifier syntax options for these *User Vocabularies*:

- 170 • Objects
- 171 • Locations
- 172 • Business transactions
- 173 • Source/Destination identifiers
- 174 • Transformation identifiers

175 This standard provides *Master Data Attributes and Values* for describing Physical Locations
176 including:

- 177 • Site Location
- 178 • Sub-Site Type
- 179 • Sub-Site Attributes
- 180 • Sub-Site Detail

181 Additional detailed master data regarding locations (addresses, etc) are not defined in this
182 standard.