
Information technology — GS1 Core business vocabulary (CBV)

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

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The committee responsible for this document is ISO/IEC JTC 1, *Information technology*.



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Core Business Vocabulary (CBV)

GS1 Standard

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Abstract

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

Audience for this document

The target audience for this standard includes:

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

Status of this document

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

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

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

Differences from CBV 1.0

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

CBV 1.1 includes these new or enhanced features:

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



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

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

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1 Introduction – Core Business Vocabulary

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

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

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

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

- Business step identifiers
- Disposition identifiers
- Business transaction types
- Source/Destination types

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

- Objects
- Locations
- Business transactions
- Source/Destination identifiers
- Transformation identifiers

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

- Site Location
- Sub-Site Type
- Sub-Site Attributes
- Sub-Site Detail

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