

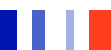


Term	Meaning
2-Dimensional Symbology	Optically readable symbols that must be examined both vertically and horizontally to read the entire message. Two-dimensional symbols may be one of two types; matrix symbols and multi-row symbols. Two dimensional symbols have error detection and may include error correction features.
Active potency	Represents the measured actual ("Active") potency of a biologic such as haemophilia products.
Add-On Symbol	A bar code used to encode information supplementary to that in the main bar code.
AI	See GS1 Application Identifier.
alphanumeric (an)	Describes a character set that contains alphabetic characters (letters), numeric digits (numbers), and other characters, such as punctuation marks.
aperture	A physical opening that is part of the optical path in a device such as a scanner, photometer, or camera. Most apertures are circular, but they may be rectangular or elliptical.
Asset Type	A component of the Global Returnable Asset Identifier (GRAI) assigned by the brand owner to create a unique GRAI.
attribute	An Element String that provides additional information about an entity identified with a GS1 Identification Key, such as Batch Number associated with a Global Trade Item Number (GTIN).
autodiscrimination	The capability of a reader to automatically recognise and decode multiple bar code symbologies.
Automatic Identification and Data Capture (AIDC)	A technology used to automatically capture data. AIDC technologies include bar codes, smart cards, biometrics and RFID.
auxiliary patterns	Components of the EAN/UPC Symbology. The centre guard bar pattern, the left guard bar pattern, and the right guard bar patterns are examples of these.
bar code	A symbol that encodes data into a machine readable pattern of adjacent, varying width, parallel, rectangular dark bars and pale spaces.
Bar Code Verification	The assessment of the printed quality of a bar code based on ISO/IEC standards using ISO/IEC compliant bar code verifiers.
bar gain/loss	The increase/decrease in bar width due to effects of the reproduction and printing processes.
Batch / Lot	The batch or lot number associates an item with information the manufacturer considers relevant for traceability of the trade item. The data may refer to the trade item itself or to items contained in it.



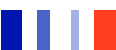


Term	Meaning
Bar width ratio	The comparison in bar widths between the wide and narrow modules in an ITF-14 Bar Code.
Bearer Bars	Bar abutting the tops and bottoms of the bars in a bar code, or a frame surrounding the entire symbol, intended to equalize the pressure exerted by the printing plate over the entire surface of the symbol and/or to prevent a short scan by the bar code reader.
brand owner	The party that is responsible for allocating GS1 System Identification Keys. The administrator of a GS1 Company Prefix.
carrier	The party that provides freight transportation services or a physical or electronic mechanism that carries business information
Check Digit	A final digit calculated from the other digits of some GS1 Identification Keys. This digit is used to check that the data has been correctly composed. (See GS1 Check Digit Calculation).
Company Number	A component of the GS1 Company Prefix.
Composite Component	This term is used to refer to the 2D symbol component within a composite symbol.
Composite Symbology	A GS1 System composite symbol consists of a linear component (encoding the item's primary identification) associated with an adjacent 2D Composite Component (encoding attribute data, such as a batch number or expiration date). The composite symbol always includes a linear component so that the primary identification is readable by all scanning technologies, and so that 2D imager scanners can use the linear component as a finder pattern for the adjacent 2D Composite Component. The composite symbol always includes one of three multi-row 2D Composite Component versions (e.g. CC-A, CC-B, CC-C) for compatibility with linear- and area-CCD scanners and with linear and rastering laser scanners.
concatenation	The representation of several Element Strings in one bar code.
Configuration Level	Assignment or grouping of trade items that includes one or more of the same trade item.
consignment	A grouping of logistic or transport units assembled by a freight forwarder or carrier to be transported under one transport document (e.g. HWB)
coupon	A voucher that can be redeemed at the Point-of-Sale for a cash value or free item.
Coupon-12	A 12-digit GS1 System Restricted Circulation Number for coupons structured according to the rules defined in the target market.
Coupon-13	The 13-digit GS1 System Restricted Circulation Number defined according to rules in a target market used for coupons.
customer	The party that receives, buys, or consumes an item or service.
data character	A letter, digit, or other symbol represented in the data field(s) of an Element String.





Term	Meaning
Data Matrix	A standalone, two-dimensional matrix symbology that is made up of square modules arranged within a perimeter finder pattern. Data Matrix ISO version ECC 200 is the only version that supports GS1 System identification numbers, including Function 1 Symbol Character (FNC1). Data Matrix Symbols are read by two-dimensional imaging scanners or vision systems.
data field	A field that contains a GS1 Identification Key, an RCN, or attribute information.
data titles	Data titles are the abbreviated descriptions of Element Strings which are used to support manual interpretation of bar codes.
Default Front	The side of a retail consumer trade item that is used as the starting point to capture dimensional attributes for the purpose of data alignment.
Direct mode	Mobile device information retrieval function when the bar code contains either the address (URL) of the content or service, or the content itself, in-line.
Direct Part Marking	Direct part marking refers to the process of marking a symbol on an item using an intrusive or non-intrusive method.
direct print	A process in which the printing apparatus prints the symbol by making physical contact with a substrate (e.g. flexography, ink jet, dot peening).
Document Type	A component of a Global Document Type Identifier (GDTI) assigned by the brand owner to create a unique GDTI.
Dynamic Assortment	A standard trade item grouping that comprises a fixed count of a changing assortment of two or more different retail consumer trade items, each identified with a unique GTIN. The retailer has accepted that the supplier may change the assortment without any prior notice. An example is a trade item grouping of ten toy cars that may contain any mix of possibly more than ten different toy cars that have been individually identified and notified to the retailer.
EAN/UPC Composite Symbology® Family	A family of bar codes comprising the UPC-A Composite Symbology®, UPC-E Composite Symbology®, EAN-8 Composite Symbology®, and EAN-13 Composite Symbology®.
EAN/UPC Symbology	A family of bar codes including EAN-8, EAN-13, UPC-A, and UPC-E Bar Codes. Although UPC-E Bar Codes do not have a separate Symbology Identifier, they act like a separate symbology through the scanning application software. See also EAN-8 Bar Code, EAN-13 Bar Code, UPC-A Bar Code and UPC-E Bar Code.
EAN-13 Bar Code	A bar code of the EAN/UPC Symbology that encodes GTIN-13, Coupon-13, RCN-13, and VMN-13.
EAN-8 Bar Code	A bar code of the EAN/UPC Symbology that encodes GTIN-8 or RCN-8.
EANCOM	The GS1 standard for Electronic Data Interchange (EDI) is a detailed implementation guideline of the UN/EDIFACT standard messages using the GS1 Identification Keys.





Term	Meaning
Electronic Commerce	The conduct of business communications and management through electronic methods, such as Electronic Data Interchange (EDI) and automated data collection systems.
Electronic Message	A composition of Element Strings from scanned data and transaction information assembled for data validation and unambiguous processing in a user application.
Electronic Product Code	An identification scheme for universally identifying physical objects (e.g. trade items, assets, and locations) via RFID tags and other means. The standardised EPC data consists of an EPC (or EPC Identifier) that uniquely identifies an individual object, as well as an optional Filter Value when judged to be necessary to enable effective and efficient reading of the EPC tags.
element	A single bar or space of a bar code.
Element String	The combination of a GS1 Application Identifier and GS1 Application Identifier Data Field.
Enhanced level of AIDC Marking (for Regulated Healthcare Trade Items)	A level within a graduated system of AIDC trade item marking that provides GTIN plus attribute information.
even parity	A characteristic of the encodation of a symbol character whereby the symbol character contains an even number of dark modules.
Extended Packaging	An approach to giving consumers access to additional information or services about trade items through their mobile device. It is the ability to retrieve additional information about the trade item through mobile devices or in general between link a trade item with virtual information or services
Extension digit	The first digit within the SSCC (Serial Shipping container Code) which is allocated by the user and is designed to increase the capacity of the SSCC.
fixed length	Term used to describe a data field in an Element String with an established number of characters.
Fixed Measure Trade Item	An item always produced in the same pre-defined version (e.g. type, size, weight, contents, design) that may be sold at any point in the supply chain.
FNC1	Abbreviation for Function 1 Symbol Character.
Freight Forwarder	The party that arranges the carriage of goods including connected services and/or associated formalities on behalf of the shipper (consignor) or consignee.
Fresh Foods	Trade items in the following product categories: fruits, vegetables, meats, seafood, bakery and ready to serve food such as cheeses, cold cooked or cured meats, and salad, etc. Fresh Foods is defined as food that is not preserved by canning, dehydration, freezing or smoking.
Full String	The data transmitted by the bar code reader from reading a data carrier, including the Symbology Identifier as well as the encoded data.





Term	Meaning
Function 1 Symbol Character (FNC1)	A symbology character used in some GS1 data carriers for specific purposes.
General Distribution Scanning	Scanning environments that include bar coded trade items packaged for transport, logistic units, assets and location tags.
Global Electronic Party Information Registry (GEPIR)	A web-browser interface and a machine to machine set of protocols for GS1 Member Organization (MO) membership databases to communicate company information for selected GS1 Keys including information about the allocation of the GS1 Company Prefixes used to create GS1 Keys and/or individually assigned GS1 Keys. Created in 1997 as a tool for MO staff, GEPIR's initial scope was to provide a search engine for Member addresses and phone numbers using MO GS1 Company Prefix (GCP) databases as the source of information. In more recent versions, GEPIR also provides a very limited set of information on Parties (GLNs) and Trade Items (GTINs).
GLN Extension Component	The GLN extension component is used to identify internal physical locations within a location which is identified with a GLN (stores, factories, buildings, etc.).
Global Document Type Identifier (GDTI)	The GS1 Identification Key used to identify a document type. The key comprises a GS1 Company Prefix, Document Type, Check Digit and optional serial number.
Global Identification Number for Consignment (GINC)	The GS1 Identification Key used to identify a logical grouping of logistic or transport units that are assembled to be transported under one transport document (e.g. HWB). The key is comprised of a GS1 Company Prefix and the Freight Forwarders or Carriers transport reference.
Global Individual Asset Identifier (GIAI)	The GS1 Identification Key used to identify an individual asset. The key comprises a GS1 Company Prefix and individual Asset Reference.
Global Location Number (GLN)	The GS1 Identification Key used to identify physical locations or parties. The key comprises a GS1 Company Prefix, Location Reference, and Check Digit.
Global Returnable Asset Identifier (GRAI)	The GS1 Identification Key used to identify returnable assets. The key comprises a GS1 Company Prefix, Asset Type, Check Digit, and optional serial number.
Global Service Relation Number (GSRN)	The GS1 Identification Key used to identify the relationship between a service provider and service recipient. The key comprises a GS1 Company Prefix, Service Reference and Check Digit.
Global Shipment Identification Number (GSIN)	The GS1 Identification Key used to identify a logical grouping of logistic or transport units that are assembled by the consignor (seller) for transport shipment from that consignor to one consignee (buyer) referencing a despatch advice and/or BOL. The key is comprised of a GS1 Company Prefix, Shipper Reference and Check Digit.
Global Trade Item Number (GTIN)	The GS1 Identification Key used to identify trade items. The key comprises a GS1 Company Prefix, an item Reference Number and a Check Digit.
GS1 AIDC data carrier	A means to represent data in a machine readable form; used to enable automatic reading of the Element Strings as specified for use by GS1.





Term	Meaning
GS1 Application Identifier	The field of two or more digits at the beginning of an Element String that uniquely defines its format and meaning.
GS1 Application Identifier data field	The data used in a business application defined by one application identifier.
GS1 B2C Trusted Source of Data (TSD)	A GS1 managed network concept that leverages GTIN (product identification) and GDSN (product information) and would support the communication of authentic product data provided by brand owners to retailers, internet application providers, government, and consumers and shoppers using internet and mobile devices (phones, laptops, etc).
GS1 Check Digit Calculation	An algorithm used by the GS1 System for the calculation of a Check Digit to verify accuracy of data. (e.g: modulo 10 check digit, price check digit).
GS1 Common Currency Coupon Code	An identification number for coupons issued in a common currency area (e.g. the euro currency) that uses the Coupon-13 Data Structure.
GS1 Company Prefix	Part of the GS1 System identification number consisting of a GS1 Prefix and a Company Number, both of which are allocated by a GS1 Member Organisation. See also U.P.C. Company Prefix. GS1 Member Organisations assign GS1 Company Prefixes to entities that administer the allocation of GS1 System identification numbers. These entities may be, for example, commercial companies, not for profit organisations, governmental agencies, and business units within organisations. Criteria to qualify for the assignment of a GS1 Company Prefix are set by the GS1 Member Organisations.
GS1 DataBar	A family of bar codes, including GS1 DataBar Omnidirectional, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Stacked, GS1 DataBar Limited, GS1 DataBar Expanded and GS1 DataBar Expanded Stacked symbols.
GS1 DataBar Retail POS Family	The members of the GS1 DataBar Symbology family designed to be read in segments by omnidirectional scanners at retail POS: GS1 DataBar Omnidirectional; GS1 DataBar Stacked Omnidirectional; GS1 DataBar Expanded; GS1 DataBar Expanded Stacked.
GS1 DataBar Composite Symbology Family	A family of symbols comprising all of the GS1 DataBar bar codes, when an accompanying Composite Component is printed directly above the linear component.
GS1 DataBar Expanded Bar Code	A bar code that encodes any GS1 Identification Key plus attribute data such as weight and "best before" date, in a linear symbol that can be scanned omnidirectionally by suitably programmed Point-of-Sale scanners.
GS1 DataBar Expanded Stacked Bar Code	A bar code that is a variation of the GS1 DataBar Expanded Bar Code that is stacked in multiple rows and is used when the normal symbol would be too wide for the application.
GS1 DataBar Limited Bar Code	A bar code that encodes any GTIN with a leading digit of zero or Indicator digit of one in a linear symbol; for use on small items that will not be scanned at the Point-of-Sale.
GS1 DataBar Omnidirectional Bar Code	A bar code that encodes a GTIN. It is designed to be read by omnidirectional scanners.



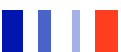


Term	Meaning
GS1 DataBar Stacked Omnidirectional Bar Code	A bar code that is a variation of the GS1 DataBar Symbology that is stacked in two or more rows and is used when the GS1 DataBar Omnidirectional Symbol would be too wide for the application. It is designed to be read by omnidirectional checkout scanners.
GS1 DataBar Stacked Bar Code	A bar code that is a variation of the GS1 DataBar Truncated Bar Code that is stacked in two rows and is used when the GS1 DataBar Truncated Bar Code would be too wide for the application.
GS1 DataBar Truncated Bar Code	A bar code that is a truncated version of the GS1 DataBar Omnidirectional Bar Code. It is used when the GS1 DataBar Omnidirectional Bar Code would be too tall for small item marking applications. It is not intended for omnidirectional checkout scanning.
GS1 DataMatrix	GS1 implementation specification for use of Data Matrix.
GS1 Global Data Dictionary	A repository tool used to record GS1 member standards agreements on business terms and definitions used by all business units.
GS1	Based in Brussels, Belgium, and Princeton, USA, it is the organisation that manages the GS1 System. Its members are GS1 Member Organisations.
GS1 Identification Key	A numeric or alphanumeric data field defined by GS1 to ensure the global, unambiguous uniqueness of the identifier in the open demand or supply chain.
GS1 Identification Keys	A globally managed system of numbering used by all GS1 Business Units to identify trade items, logistic units, locations, legal entities, assets, service relationships, consignment, shipments and more. Any identification number that combines GS1 member company identifiers (GS1 Company Prefix) with standards based rules for allocating reference numbers is a key.
GS1 Member Organisation	A member of GS1 that is responsible for administering the GS1 System in its country (or assigned area). This task includes, but is not restricted to, ensuring brand owners make correct use of the GS1 System, have access to education, training, promotion and implementation support, and have access to play an active role in GSMP.
GS1 Prefix	A number with two or more digits, administered by GS1 that is allocated to GS1 Member Organisations or for Restricted Circulation Numbers.
GS1 Symbologies using GS1 Application Identifiers	All GS1 endorsed bar code symbologies that can encode more than a GTIN namely GS1-128, GS1 DataMatrix, GS1 DataBar, GS1 QR Code and Composite).
GS1 QR Code	GS1 implementation specification for use of QR Code
GS1 System	The specifications, standards, and guidelines administered by GS1.
GS1 XML	The GS1 standard for Extensible Markup Language schemas providing users with a global business messaging language of e-business to conduct efficient Internet-based electronic commerce.
GS1-128 Symbology	A subset of Code 128 that is utilised exclusively for GS1 System data structures.





Term	Meaning
GS1-8 Prefix	A one-, two-, or three-digit index number, administered by GS1, that is allocated to GS1 Member Organisations for the creation of GTIN-8s or for Restricted Circulation Numbers (see RCN-8).
GTIN-12	The 12-digit GS1 Identification Key composed of a U.P.C. Company Prefix, Item Reference, and Check Digit used to identify trade items.
GTIN-13	The 13-digit GS1 Identification Key composed of a GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items.
GTIN-14	The 14-digit GS1 Identification Key composed of an Indicator digit (1-9), GS1 Company Prefix, Item Reference, and Check Digit used to identify trade items.
GTIN-8	The 8-digit GS1 Identification Key composed of a GS1-8 Prefix, Item Reference, and Check Digit used to identify trade items.
GTIN Application Format	A format for a GTIN-8, GTIN-12, or GTIN-13 used when a GTIN Application uses a fixed field length, for example when a GTIN-13 is encoded in a symbology using Application Identifier (01).
Guard Bar Pattern	An auxiliary pattern of bars and spaces corresponding to start or stop patterns in bar code symbologies, and serving to separate the two halves of EAN-8, EAN-13, and UPC-A Symbols.
Hanging Item	Any retail consumer trade item that is normally presented in the store in a hanging position.
Healthcare Primary Packaging	The first level of packaging for the product marked with an AIDC data carrier either on the packaging or on a label affixed to the packaging. For non-sterile packaging the first level of packaging can be the packaging in direct contact with the product. For sterile packaging the first level of packaging can be any combination of the sterile packaging system. May consist of a single item or group of items for a single therapy such as a Kit. For packaging configurations that include a retail consumer trade item, primary packaging is a packaging level below the retail consumer trade item.
Healthcare Secondary Packaging	A level of packaging marked with an AIDC carrier that may contain one or more primary packages or a group of primary packages containing a single item.
Highest Level of AIDC Marking (for Regulated Healthcare Trade Items)	A level within a graduated system of AIDC trade item marking that provides GTIN, serialization and potentially other attribute information.
House Way Bill Number	A freight forwarder's document used mainly as a control for the goods within the freight forwarder's own service system.
Human Readable Interpretation (HRI)	Characters such as letters and numbers, which can be read by persons and are encoded in GS1 AIDC data carriers confined to a GS1 standard structure and format. The Human Readable Interpretation is a one-to-one illustration of the encoded data. However Start, Stop, shift and function characters, as well as the Symbol Check Character, are not shown in the human readable interpretation





Term	Meaning
Identification number	A number or alphanumeric field intended to enable the recognition of one entity versus another.
Indicator	A digit from 1 to 9 in the leftmost position of the GTIN-14.
Indirect mode	Mobile device information retrieval function when the code contains an identifier, which needs to be resolved to obtain the content or service. Resolving an identifier means looking it up, typically at a network service, to determine the corresponding content or service.
Individual Asset	An entity that is part of the inventory of assets for a given company. (See also Returnable Asset.)
Individual Asset Reference	A component of the Global Individual Asset Identifier (GIAI) assigned by the brand owner to create a unique GIAI.
Interleaved 2 of 5 Symbology	Bar code symbology used for the ITF-14 Bar Code.
Inverse Exponent	The Application Identifier digit that denotes the implied decimal point position in an Element String.
Item Reference	A component of the Global Trade Item Number (GTIN) assigned by the brand owner to create a unique GTIN.
ITF Symbology	See Interleaved 2 of 5 Symbology.
ITF-14 Bar Code	ITF-14 (a subset of Interleaved 2 of 5) Bar Codes carry GTINs only on trade items that are not expected to pass through the Point-of-Sale.
Kit	A collection of different regulated healthcare items assembled for use in a single therapy.
Leading zero(s)	Digits (always zeroes) which must be placed in the leftmost position(s) of a data string when GTIN-8, GTIN-12, or GTIN-13 are encoded in a GS1 AIDC data carrier that requires 14-digits (see also GTIN Application Format) or when used for the same intent in other data structures such as but not limited to Extended Coupon Codes, GRAI.
Levels of AIDC Marking	A graduated system of AIDC marking. The graduated system is defined as minimum, enhanced and highest levels of AIDC marking.
Linear Bar Code	Bar code symbology using bars and spaces in one dimension.
Local Assigned Code (LAC)	A particular use of the UPC-E Bar Code for restricted distribution.
Location Reference	A component of a Global Location Number (GLN) assigned by the brand owner to create a unique GLN.
Logistic measures	Measures indicating the outside dimensions, total weight, or volume inclusive of packing material of a logistic unit. Also known as gross-measures.





Term	Meaning
Logistic unit	An item of any composition established for transport and/or storage that needs to be managed through the supply chain. It is identified with SSCC.
Loose Produce	Fruits and vegetables which are delivered to the store loose, in boxes or cases, and then put into a bag or selected individually by the customer for purchase.
Magnification	Different sizes of bar codes based on a nominal size and a fixed aspect ratio; stated as a percentage or decimal equivalent of a nominal size.
Minimum Level of AIDC Marking (for Regulated Healthcare Trade Items)	A level within a graduated system of AIDC trade item marking that provides GTIN with no attribute information.
Module	The narrowest nominal width unit of measure in a bar code. In certain symbologies, element widths may be specified as multiples of one module. Equivalent to X-dimension.
Modulo 10	The name of the algorithm - a simple checksum formula in the public domain - used to create a check digit for those GS1 Identification Keys that require one.
Modulo 103 GS1-128 Symbol Check Character	A number which results from a modulo calculation that is encoded in the GS1-128 Bar Code as a self-checking symbol character. It is created automatically by software as a symbol overhead character and is not expressed in the Human Readable Interpretation.
Natural Base	The side of a non-retail consumer trade item package that is used as a reference point for capturing dimensional attributes for the purpose of data alignment.
Non-GTIN Packs	A packaging level for trade items where there is no trading partner requirement for GTIN identification. If a GTIN is required, then this item becomes a retail consumer trade item or standard trade item grouping.
Non-HRI Text	Characters such as letters and numbers that can be read by persons and may or may not be encoded in GS1 AIDC data carriers and are not confined to a structure and format based on GS1 standards (e.g., a date code expressed in a national format that could be used to encode a date field in a GS1 AIDC data carrier, brand owner name, consumer declarations).
Odd parity	A characteristic of the encodation of a symbol character whereby the symbol character contains an odd number of dark modules.
Omnidirectional Linear Bar Code	A linear bar code designed to be omnidirectionally read in segments by suitably programmed high-volume Omnidirectional Point-of-Sale (POS) scanners.
Payment slip	The end customer's notification of a demand for payment for a billable service (e.g. utility bill) comprising an amount payable and payment conditions.
Platform	Pallet or slip sheet or other device used to store or move a unit load, whether a logistics unit or a GTIN.
Point-of-Care (POS)	Dispensing or use of a non-retail, regulated healthcare pharmaceutical or medical device to a patient based on right product, dose, and route of administration

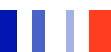




Term	Meaning
Point-of-Sale (POS)	Refers to the retail checkout where omnidirectional bar codes must be used to enable very rapid scanning or low volume checkout where linear or 2D matrix bar codes are used with image-based scanners.
Pre-Defined Assortment	A standard trade item grouping that comprises a fixed configuration of two or more different retail consumer items, each identified with a GTIN. Any change in the configuration of the assortment is considered a new trade item.
Price Verifier Digit	A digit calculated from the price element of a Variable Measure Number encoded using the EAN/UPC Symbology. Used to check that the data has been correctly composed.
Primary bar code	The bar code containing the identification number of the item (e.g. GTIN®, SSCC, etc.). Used to determine the placement of any additional bar code information.
Quiet Zone	A clear space which precedes the Start Character of a bar code and follows the Stop Character. Formerly referred to as “Clear Area” or “Light Margin.”
Quiet Zone Indicator	A greater than (>) or less than (<) character, printed in the human readable field of the bar code, with the tip aligned with the outer edge of the Quiet Zone.
QR Code	A standalone, two-dimensional matrix symbology that is made up of square modules arranged within a perimeter finder pattern. QR Code Version 2005 is the only version that supports GS1 System identification numbers, including Function 1 Symbol Character. QR Code Symbols are read by two-dimensional imaging scanners or vision systems.
radio frequency	Any frequency within the electromagnetic spectrum associated with radio wave propagation. When a radio frequency current is supplied to an antenna, an electromagnetic field is created that then is able to propagate through space. Many wireless technologies are based on radio frequency field propagation.
Radio Frequency Identification (RFID)	A data carrier technology that transmits information via signals in the radio frequency portion of the electromagnetic spectrum. A Radio Frequency Identification system consists of an antenna and a transceiver, which read the radio frequency and transfer the information to a processing device, and a transponder, or tag, which is an integrated circuit containing the radio frequency circuitry and information to be transmitted.
RCN-8	An 8-digit Restricted Circulation Number (see Restricted Circulation Number) beginning with the GS1-8 Prefix 0 or 2.
RCN-12	A 12-digit Restricted Circulation Number (see Restricted Circulation Number).
RCN-13	A 13-digit Restricted Circulation Number (see Restricted Circulation Number).
Reduced Space Symbology® (RSS)	See GS1 DataBar
Refund Receipt	A voucher produced by equipment handling empty containers (bottles and crates).



Term	Meaning
Regulated Healthcare Retail Consumer Trade Item	A regulated healthcare trade item to be sold to the end consumer at a regulated healthcare retail Point-of-Sale (Pharmacy). They are identified with a GTIN-13, GTIN-12 or GTIN-8 utilizing linear or 2D matrix bar codes that can be scanned by image-based scanners.
Regulated Healthcare Non-Retail Consumer Trade Item	A consumer trade item not intended for scanning at POS and identified with a GTIN-14, GTIN-13, GTIN-12 or GTIN-8 utilizing linear or 2D matrix bar codes that can be scanned by image-based scanners.
Regulated Healthcare Trade Item	Pharmaceuticals or medical devices that are sold or dispensed in a controlled environment (e.g. retail pharmacy, hospital pharmacy)
Restricted Circulation Number (RCN)	Signifies a GS1 identification number used for special applications in restricted environments, defined by the local GS1 Member Organisation (e.g., restricted within a country, company, industry). They are allocated by GS1 for either internal use by companies or to GS1 Member Organisations for assignment based on business needs in their country (e.g., variable measure product identification, couponing).
retail consumer trade item	The trade item intended to be sold to the end consumer at retail Point-of-Sale. It is identified with a GTIN-13, GTIN-12 or GTIN-8.
Retailer Zero-Suppression Code	A group of ID numbers (separate from Local Assigned Codes), that enable the use of UPC-E Bar Codes in a closed system environment (not for open supply chain applications).
Returnable Asset	A reusable entity owned by a company that is used for transport and storage of goods. It is identified with a GRAI.
scanner	An electronic device to read bar codes and convert them into electrical signals understandable by a computer device.
Secondary Packaging	A level of packaging marked with an AIDC carrier that may contain one or more primary packages or a group of primary packages containing a single item.
Separator Character	Function 1 Symbol Character (FNC1) used to separate certain concatenated Element Strings, dependent on their positioning in the GS1 Bar Codes.
serial number	A code, numeric or alphanumeric, assigned to an individual instance of an entity for its lifetime. Example: Microscope model AC-2 with Serial Number 1234568 and microscope model AC-2 with Serial Number 1234569. A unique individual item may be identified with the combined GTIN and Serial Number.
Serial Reference	A component of the Serial Shipping Container Code (SSCC) assigned by the brand owner to create a unique SSCC.
Serial Shipping Container Code	The GS1 Identification Key used to identify logistic units. The key comprises an Extension Digit, GS1 Company Prefix, Serial Reference, and Check Digit
Service Reference	A component of the Global Service Relation Number (GSRN) assigned by the brand owner to create a unique GSRN.





Term	Meaning
Shipment	A grouping of logistics and transport units assembled and identified by the seller (sender) of the goods travelling under one despatch advice and/or Bill of Lading to one customer (recipient).
Short Life Items	An item, preparation or reconstituted product with limited use/shelf life, such as in healthcare a cytotoxic medicine, that has undergone some manipulation, such as addition of a diluent, in order to make it administerable to a specified patient.
Single Shipping/Retail Consumer Trade Item	A retail consumer trade item that is also regarded as a shipping item and is one to a carton (e.g. a bicycle or a television).
special characters	Special characters that are designated by the symbology specification.
Standard trade item grouping	A standard composition of trade items) that is not intended for Point-of-Sale scanning. They are identified with a GTIN-14, GTIN-13, or GTIN-12.
Sterile Packaging System	A combination of the sterile barrier system (the minimum package that prevents ingress of microorganisms and allows aseptic presentation of the product at the point of use) and the protective packaging (configuration of materials designed to prevent damage to the sterile barrier system and its contents until the point of use).
Substrate	The material on which a bar code is printed.
Supplier	The party that produces, provides, or furnishes an item or service.
Symbol	The combination of symbol characters and features required by a particular symbology, including Quiet Zone, Start and Stop Characters, data characters, and other auxiliary patterns, which together form a complete scannable entity; an instance of a symbology and a data structure.
symbol character	A group of bars and spaces in a symbol that is decoded as a single unit. It may represent an individual digit, letter, punctuation mark, control indicator, or multiple data characters.
Symbol Check Character	A symbol character or set of bar/space patterns included within a GS1-128 or GS1 DataBar Symbol, the value of which is used by the bar code reader for the purpose of performing a mathematical check to ensure the accuracy of the scanned data. It is not shown in Human Readable Interpretation. It is not input to the bar code printer and is not transmitted by the bar code reader.
Symbol Contrast	An ISO/IEC 15416 parameter that measures the difference between the largest and smallest reflectance values in a Scan Reflectance Profile (SRP).
Symbology	A defined method of representing numeric or alphabetic characters in a bar code; a type of bar code.
symbology element	A character or characters in a bar code used to define the integrity and processing of the symbol itself (e.g. start and stop patterns). These elements are symbology overhead and are not part of the data conveyed by the bar code.





Term	Meaning
 symbology identifier 	A sequence of characters generated by the decoder (and prefixed to the decoded data transmitted by the decoder) that identifies the symbology from which the data has been decoded.
 trade item 	Any item (product or service) upon which there is a need to retrieve pre-defined information and that may be priced, or ordered, or invoiced at any point in any supply chain.
 trade measures 	Net measures of Variable Measure Trade Items as used for invoicing (billing) the trade item.
 Truncation 	Printing a symbol shorter than the symbology specification's minimum height recommendations. Truncation can make the symbol difficult for an operator to scan.
 Unit Load 	One or more transport packages or other items contained on a platform making them suitable for transport, stacking, and storage as a unit.
 U.P.C. Company Prefix 	A special representation of a GS1 Company Prefix constructed from a U.P.C. Prefix and a Company Number. The U.P.C. Company Prefix is only used to create GTIN-12, Coupon-12, RCN-12 and VMN-12, which are encoded in a UPC-A Bar Code.
 U.P.C. Prefix 	A special representation of the GS1 Prefixes '00 - 09' with the leading zero removed. Used when representing the GTIN-12, Coupon-12, RCN-12 and VMN-12 in a UPC-A Bar Code.
 unrestricted distribution 	Signifies that such system data may be applied on goods to be processed anywhere in the world without restraint as to such things as country, company, and industry.
 UPC-A Bar Code 	A bar code of the EAN/UPC Symbology that encodes GTIN-12, Coupon-12, RCN-12, and VMN-12.
 UPC-E Bar Code 	A bar code of the EAN/UPC Symbology representing a GTIN-12 in six explicitly encoded digits using zero-suppression techniques.
 Variable Measure Number 	A Restricted Circulation Number used to identify variable measure products for scanning at Point-of-Sale. It is defined per GS1 Member Organisation rules in their country (see VMN-12 and VMN-13).
 Variable Measure Trade Item 	An trade item which may be traded without a pre-defined measure such as its weight or length.
 VMN-12 	The 12-digit Restricted Circulation Number encoded in UPC-A Symbols to allow scanning of variable measure products at Point-of-Sale. It is defined per target market specific rules that are associated with U.P.C Prefix 2.
 VMN-13 	The 13-digit Restricted Circulation Number encoded in EAN-13 Symbols to allow scanning of variable measure products at Point-of-Sale. It is defined per target market specific rules that are associated with GS1 Prefixes 20 through 29.





Term	Meaning
wide-to-narrow ratio	The ratio between the wide elements and the narrow elements in a bar code symbology, such as ITF-14, that has two different element widths.
X-dimension	The specified width of the narrowest element of a bar code.

