

The Global Language of Business

General Specifications Change Notification (GSCN)

WR #	GSCN Name	Effective Date
20-207	GS1 Glossary Continuous Improvement	Dec 2020

Associated Work Request (WR) Number:

GSMP

WR 20-323

Background:

Overtime a number of glossary definition had become outdated and a refresh was required

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GS1 General Specification Change: next pages

Important: All *proposed* changes to the existing Glossary are shown in Track-Changes. If, during the Community Review, anyone wants to see the justification for a given change they can open the comments.



Note: Some Glossary terms, for example Global Model Number, are subject to separate Work Requests. Any such separate Work Request will have precedence over this continuous improvement effort

Actions

If and when changes to the GS1 General Specification Glossary are agreed, we will need to :

- **David** Ensure the usage of the defined terms within the GenSpecs is in line with the definition
- Dan Make the required terminology updates (e.g., use "customer" not "consumer" which requires an 'educated' search and replace.
- David: Make the required additions to the GS1 Style Guide (e.g., Add predefined (not predefined), make symbol & barcode synonyms, etc.
- All: Promote a similar clean-up of other GS1 defined terms (see <u>www.gs1.org/glossary</u>)



GS1 Standards glossary of terms

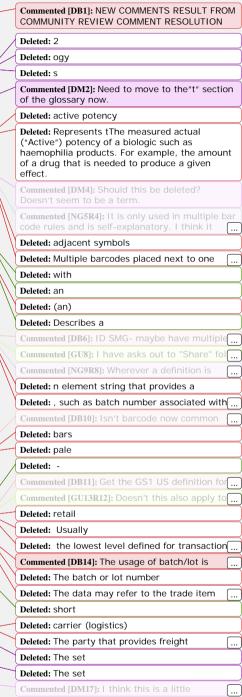
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Track changes has been used in the section table below to highlight all Glossary updates proposed by the Continuous Improvement sub-team on Glossary



GS1 glossary of terms and definitions

erm	Definition
wordimensional (2D) symbol	Optically readable symbol, 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.
contones oritoria	
cceptance criteria	An allowance for a small measurement variation between commercial verifiers or operators during barcode verification testing.
dd-on symbol	A barcode used to encode information supplementary to that in the main <u>EAN/UPC</u> barcode.
	1
ggregated packaging (per EU	Any packaging containing more than one unit packet of tobacco products. For GS1, this
018/574)	may be either a trade item grouping or logistics unit.
IM DotCode	A two-dimensional barcode symbology rendered by printing dots per the AIM DotCode
	Specification.
llocation	The association of an issued GS1 Prefix, GS1 Company Prefix, or GS1 identification key
	to its corresponding, entity or object in accordance with the GS1 rules and policies.
Iphanumeric 🚽	A character set that contains alphabetic characters (letters), numeric digits (numbers),
	and other characters, such as punctuation marks.
perture	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.
anat tuma	1 1
sset type	A component of the Global Returnable Asset Identifier (GRAI), assigned by the asset owner or manager, in order to create a unique GRAI.
ttribute	Additional information about an entity identified with a GS1 identification key
utodiscrimination	The capability of a reader to automatically recognise and decode multiple barcode
utouscrimination	symbologies.
utomatic identification and	A technology used to automatically capture data. AIDC technologies include barcodes,
ata capture (AIDC)	smart cards, biometrics and RFID.
uxiliary patterns	Components of the EAN/UPC symbology. The centre guard bar pattern, the left guard
5.	bar pattern, and the right guard bar pattern are examples of these.
ar gain/loss	The increase/decrease in bar width due to effects of the reproduction and printing
	processes.
arcode	A symbol that encodes data into a machine readable pattern of adjacent, varying width,
	parallel, rectangular or square dark and light spaces.
arcode verification	The assessment of the printed quality of a barcode based on ISO/IEC standards using ISO/IEC compliant barcode verifiers.
asic Unique Device Identifier Device Identifier (UDI_DI)	The Basic UDI - DI is a unique identifier specific to a medical device product family. It is represented by GS1's Global Model Number (GMN).
ase unit	In a hierarchy of trade item groupings, the consumer trade item level or unit of use
atch/lot	according on item with information the manufacturer considers relevant for
atch/lot	vassociates an item with information the manufacturer considers relevant for traceability of the trade item.
earer bars	Bar abutting the tops and bottoms of the bars in a barcode or a frame surrounding the
	entire symbol, intended to equalise the pressure exerted by the printing plate over the
	entire surface of the symbol and/or to prevent a partial scan by the barcode reader.
rand owner	The organisation that owns the specifications of a trade item, regardless of where and
	by whom it is manufactured. The brand owner is normally responsible for the
	management of the Global Trade Item Number (GTIN).
	↓
haracter Set 39	A subset of characters found in ISO 646: Unique Graphic Character Allocations which
	includes numeric, alphabetic upper-case, plus the characters "#", "-", and "/".
haracter Set 82	A subset of characters found in ISO 646: Unique Graphic Character Allocations which
	includes numeric, alphabetic upper-case and lower-case, plus twenty special characters but excluding "space".





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		document type			



Commented [DB39]: Maybe updated as part of

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dynamic assortment	An assortment that comprises a fixed count of a changing assortment of two or more different retail consumer trade items, each identified with a unique GTIN. All of the		
	retail consumer trade items and their GTINs will have been communicated to the recipient before trading takes place and are declared on the package. The recipient has	/	Deleted: EAN/UPC Comp
	accepted that the supplier may change the assortment without any prior notice.	1/	Deleted: osite symbology family
EAN/UPC symbology	▼ A family of barcodes including EAN-8, EAN-13, UPC-A, and UPC-E barcodes as well as the 2- and 5-digit add-ons. See also EAN-8 barcode, EAN-13 barcode, UPC-A barcode, and UPC-E barcode.		Deleted: A family of barcodes comprising the UPC- A Composite symbology, UPC-E Composite symbology, EAN-8 Composite symbology, and EAN-13 Composite symbology.
EAN-13 barcode	A barcode of the EAN/UPC symbology that encodes GTIN-13 or RCN-13.	\sim	Deleted: Alth
EAN-8 barcode	A barcode of the EAN/UPC symbology that encodes GTIN-8 or RCN-8.		Deleted: ough UPC-E barcodes do not have a
economic operator (per EU 2018/574)	An economic operator is a business or other organisation which supplies goods, works or services within the context of market operations related to requirement for EOID for each country in which a party operates a facility.		separate symbology identifier, they act like a separate symbology through the scanning application software
	Y	_ \ `	Deleted: Any natural or legal person who is
			involved in the trade of tobacco products,
Electronic Product Code (EPC)	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		including for export, from the manufacturer to the last economic operator before the first retail outlet. Commented [PA42]: We may want to consider this
	efficient reading of the EPC tags.	///	more generic definition as the term is not limited
element	A single bar or space of a linear barcode symbol.	<i>─\ \\\</i>	to tabaco or retail.
element string	The combination of a GS1 Application Identifier and GS1 Application Identifier data field.	/ // //	Deleted: electronic commerce
	Y	_ \	Deleted: The conduct of business communications and management through electronic methods,
	Y	_/ / /	Deleted: electronic message
	V	_////	Deleted: A composition of element strings from
EU 2018/574	A European Union Regulation on the traceability of tobacco products	M//	Deleted: .
even parity	A characteristic of the encodation of a symbol character whereby the symbol character contains an even number of dark modules.	1///	Deleted: encounter
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, to link a trade item with trusted virtual information or services.		Deleted: Situation on the uninterrupted course o Deleted: enhanced level of AIDC marking (for
extension digit	The first digit within the Serial Shipping Container Code (SSCC) which is assigned by		Deleted: A level within a graduated system of
, , , , , , , , , , , , , , , , , , ,	the company that constructs the logistic unit	_/ // /	Deleted: episode of care
facility (per EU 2018/574)	Any location, building or vending machine where tobacco products are manufactured, stored or placed on the market.		Deleted: An encounter or series of encounters
	Y	_ [[]]	Deleted: Extended
fixed length	Term used to describe a data field in an element string with an established number of		Deleted: Packaging
fixed measure trade item	characters.	1 1 1	Deleted: SSCC (
fixed measure trade item	An item always produced in the same predefined version (e.g., type, size, weight, contents) that may be sold at any point in the supply chain.		Deleted: allocated
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.		Deleted: by the
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 are defined as food that is not preserved by canning,		Commented [DB49]: JOHN P: 1 don't think that we(Deleted: SSCC Deleted: user
6 H	dehydration, freezing or smoking.	\\\ \\\	<u> </u>
full string	The data transmitted by the barcode reader from reading a data carrier, including the symbology identifier as well as the encoded data.		Deleted: and is designed to increase the capacity
Function 1 Symbol Character (FNC1)	A symbology character used in some GS1 data carriers for specific purposes.	,	Deleted: finished consumer trade item Deleted: A product after all production and
general distribution scanning	Scanning environments that <u>process</u> barcoded trade items packaged for transport, logistic units, assets, and location tags.		Deleted: include
general retail consumer trade	A trade item intended to be sold at point-of-sale identified with a GTIN-13, GTIN-12 or		Deleted: retail consumer
item	GTIN-8 utilising omnidirectional linear barcodes		Deleted: that can be scanned by high-volume,
		-	Deleted: GINC



GLN extension component	The GLN extension component is used to identify internal physical locations within a location <u>(such as a selling floor area, a specific area on a shelf, etc.</u> which is identified with a GLN (<u>such as stores</u> , factories, buildings, etc.).		
Global Coupon Number (GCN)	The GS1 identification key used to identify a coupon. The key comprises a GS1 Company Prefix, coupon reference, check digit, and an optional serial number	K	Deleted: A
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.		Deleted: that provides a globally unique identification for
Global Electronic Party Information Registry (GEPIR®)	A web-browser interface and a machine to machine set of protocols for GS1 Member Organisation (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.		Deleted: , with Deleted: Created in 1997 as a tool for MO
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., waybill). The key comprises a GS1 Company Prefix and the freight forwarder's or carrier's transport reference.		GEPIR's initial scope was to provide a se- engine for member addresses and phone numbers using MO GS1 Company Prefix databases as the source of information.
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.		recent versions, GEPIR also provides a ve limited set of information on parties (GLI
Global Location Number (GLN)	The GS1 identification key used to identify locations or parties. The key comprises a GS1 Company Prefix, location reference, and check digit.		trade items (GTINs).
Global Model Number (GMN)	The GS1 identification key used to identify a product model or product family. The key comprises a GS1 Company Prefix and model reference.		Commented [GU52]: Check character comp
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.		should be added. Exact wording is dependent WR-20-008
Global Service Relation Number (GSRN)	The GS1 identification key used to identify the relationship between an organisation offering services and the recipient or provider of services. The key comprises a GS1 Company Prefix, service reference and check digit.		Deleted: Global Service Relation Number is
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 a transport shipment from that consignor to one consignee (buyer) referencing a despatch advice and/or BOL. The key comprises a GS1 Company Prefix, shipper reference and check digit.		Commented [GU55]: I would like the AIDC 1
Global Trade Item Number® (GTIN®)	The GS1 identification key used to identify trade items. The key comprises a GS1 Company Prefix, an item reference and check digit.		consider making this just "data carrier" a updating the description to reflect that.
			Commented [NG56R55]: This term was agree
GS1 Application Identifier (AI)	The field of two or more digits at the beginning of an element string that uniquely defines its format and meaning.		the AG some years ago as data carrier w for various other contexts. I believe this occurred as we worked on Policy B11 wo
GS1 Application Identifier data field	The data used in a business application defined by one GS1 Application Identifier.		Perhaps we need to add data carrier as a then reference the specific term used for but I would not remove this one.
GS1 check character calculation	An algorithm used by the GS1 system for the calculation of the check characters to verify accuracy of data.		I did change element strings to data eler
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).		given element strings is applicable only ware used.
GS1 Common Currency Coupon Code	An identification number for coupons issued in a common currency area (e.g., the euro currency) that uses the GS1 Prefixes 981-983.		Deleted: GS1 AIDC data carrier
GS1 Company Prefix <u>(GCP)</u>	A unique string of four to twelve digits used to issue GS1 identification keys. The first digits are a valid GS1 Prefix and the length must be at least one longer than the length of the GS1 Prefix. The GS1 Company Prefix is issued by a GS1 Member Organisation. As the GS1 Company Prefix varies in length, the issuance of a GS1 Company Prefix		Deleted: A means to represent data in a m readablemachine-readable form; used to automatic reading of the data element(s) as specified for use by GS1.
	excludes all longer strings that start with the same digits from being issued as GS1		Deleted: GS1 B2C Trusted Source of Data
	Company Prefixes. See also U.P.C <u>.</u> Company Prefix.		Deleted: A GS1 managed network concept
GS1 Company Prefix licensee	The entity to which a GS1 Company Prefix is licenced.		leverages GTIN (product identification) a GDSN (product information) and would s
GS1 DataBar Composite symbology family	A family of symbols comprising all the GS1 DataBar barcodes when an accompanying Composite Component is printed directly above the linear component.		the communication of authentic product provided by brand owners to retailers, in
GS1 DataBar Expanded barcode	A barcode 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.		application providers, government, and consumers and shoppers using internet a mobile devices (phones, laptops, etc.).
GS1 DataBar Expanded Stacked barcode	A barcode that is a variation of the GS1 DataBar Expanded barcode that is stacked in multiple rows and is used when the normal symbol would be too wide for the		Commented [GU57]: Legacy term
	application.		Deleted: Coupon Code-13
			Dubit L data atmusture



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eleted: , with eleted: Created in 1997 as a tool for MO staff, EPIR's initial scope was to provide a search ngine for member addresses and phone umbers using MO GS1 Company Prefix (GCP) atabases as the source of information. In more cent versions, GEPIR also provides a very nited set of information on parties (GLNs) and ade items (GTINs).

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mmented [GU55]: I would like the AIDC team to onsider making this just "data carrier" and odating the description to reflect that.

mmented [NG56R55]: This term was agreed in e AG some years ago as data carrier was used ut I would not remove this one.

ven element strings is applicable only when AIs

eleted: GS1 AIDC data carrier

eleted: A means to represent data in a machine adablemachine-readable form; used to enable utomatic reading of the data element(s) strings specified for use by GS1.

eleted: GS1 B2C Trusted Source of Data (TSD)

eleted: A GS1 managed network concept that verages GTIN (product identification) and DSN (product information) and would support e communication of authentic product data ovided by brand owners to retailers, internet oplication providers, government, and onsumers and shoppers using internet and obile devices (phones, laptops, etc.).

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GS1 DataBar Limited barcode	A barcode that encodes a 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 barcode	A barcode that encodes a GTIN. It is designed to be read by omnidirectional scanners.		
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 Stacked barcode	A barcode that is a variation of the GS1 DataBar Truncated barcode that is stacked in two rows and is used when the GS1 DataBar Truncated barcode would be too wide for the application.		
GS1 DataBar Stacked Omnidirectional barcode	A barcode that is a variation of the GS1 DataBar symbology that is stacked in two 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 Truncated barcode	A barcode that is a truncated version of the GS1 DataBar Omnidirectional barcode. It is used when the GS1 DataBar Omnidirectional barcode would be too tall for small item marking applications. It is not intended for omnidirectional checkout scanning.		
GS1 DataBar®	A family of barcodes, including GS1 DataBar Omnidirectional; GS1 DataBar Stacked Omnidirectional; GS1 DataBar Expanded; GS1 DataBar Expanded Stacked GS1 DataBar Truncated, GS1 DataBar Limited, and GS1 DataBar Stacked symbols.		
GS1 DataMatrix	A subset of Data Matrix which uses the function that allows the encoding of element strings	Deleted: GS1 implementation specification	n for use
GS1 DotCode	A subset of AIM DotCode which uses the function that allows the encoding of element strings	of Data Matrix	
GS1 EANCOM®	The GS1 standard for Electronic Data Interchange (EDI) that is a detailed implementation guideline of the UN/EDIFACT standard messages using the GS1 identification keys.	Commented [DM58]: These seem strange t there implementation specification? Commented [NG59R58]: Yes the GS1	o me is
GS1 Global Office (GS1 GO)	GS1 is a neutral, not-for-profit organisation that provides global standards for efficient business communication. The Global Office, located in Brussels (Belgium) and Ewing, NJ (USA) is the guardian, and provides an open, user-driven, forum for ongoing maintenance and development, of the GS1 standards, guidelines and statues.	implementation of the specification is re the various sections in 5. We begin with specification from AIM or ISO/IEC then in notes where we add or exclude somethin	i the make
GS1 Global Standards Management Process (GSMP)	GS1 created the Global Standards Management Process (GSMP) to support standards development activity for the GS1 system. The GSMP uses a global consensus process to develop supply chain standards that are based on business needs and user-input	Perhaps we should add "See Section 5.N Deleted: GS1 implementation specification of	
GS1 identification key	A unique identifier for a class of objects (e.g., a trade item) or an instance of an object (e.g., a logistic unit).	Deleted: AIM DotCode	
Į		Deleted: GS1 identification key licensee	
GS1 Member Organisation (GS1 MO)	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 user companies 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.	Deleted: The entity to which a GS1 identification key is licenced.	fication
GS1 Prefix	A unique string of two or more digits issued by GS1 Global Office and allocated to GS1 Member Organisations to issue GS1 Company Prefixes or allocated to other specific areas.		
GS1 QR Code	A subset of QR Code which uses the function that allows the encoding of element strings	Deleted: GS1 implementation specification	n for uso
GS1 symbologies using GS1 Application Identifiers	All GS1 endorsed barcode symbologies that can encode more than a GTIN namely GS1- 128, GS1 DataMatrix, GS1 DataBar, GS1 QR Code, GS1 DotCode and GS1 Composite.	of QR Code	
GS1 system	The specifications, standards, and guidelines administered by GS1.		
GS1 UIC Extension 1	Character that follows and extends the EU 2018/574 UIC to identify a country of ID Issuer's appointment and operation.		
GS1 UIC Extension 2	Character that follows GS1 UIC Extension 1 and extends the EU 2018/574 UIC to identify whether a GS1 or non-GS1 based algorithm is used.		
GS1 XML	The GS1 standard for extensible markup language (XML) schemas providing users with a global business messaging language of e-business to conduct efficient internet-based commerce.	Deleted: electronic	
GS1®	Based in Brussels, Belgium, and Princeton, USA, it is the organisation that manages the GS1 system. Its members are GS1 Member Organisations.	Deteted: electronic	
GS1-128 symbology	A subset of code 128 which uses the function that allows the encoding of element strings.	Deleted: more general	
GS1-8 Prefix	A unique string of three digits issued by GS1 Global Office and allocated to GS1 Member Organisations to issue GTIN-8s or allocated to issue RCN-8s (see RCN-8).	Deleted: TCode 128 that is utilised exclus GS1 system data structures	ively for



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GTIN plus attribute(s) flag	A trigger in systems to determine if additional processing is required by a barcode user for a given GTIN.	
GTIN <u>-</u> 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 <u>-</u> 13	The 13-digit GS1 identification key composed of a GS1 Company Prefix, item reference, and check digit used to identify trade items.	
GTIN <u>-</u> 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 <u>-</u> 8	The 8-digit GS1 identification key composed of a GS1-8 Prefix, item reference, and check digit used to identify trade items.	
guard bar pattern	An auxiliary pattern of bars and spaces corresponding to start or stop patterns in barcode symbologies, and serving to separate the two halves of EAN-8, EAN-13, and UPC-A symbols.	
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 provider	An organisation or facility that delivers healthcare to a subject of care. Corresponds to "care delivery organisation", "healthcare organisation", etc.	
healthcare secondary packaging	A level of packaging marked with an AIDC carrier that may contain one or more primary packages each of which may contain a single item or multiple items.	
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House Waybill 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 the encoded data. Start, stop, shift and function characters, as well as the symbol check character, are not shown in the human readable interpretation.	_
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Importer index (per EU 2018/574)	Character to identify the presence or absence of an importer within the EU 2018/574 EOID, FID, and MID. This means either the absence of an importer (null) or presence of one importer out of up to 63 importer possibilities per country, per GTIN.	
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 <u>object</u> 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 asset owner or manager to create a unique GIAI.	
individual provider	Any person who provides or is a potential provider of a healthcare service to a subject of care	_
L	v	
Interleaved 2-of-5 symbology	Barcode symbology used for the ITF-14 barcode.	_
inverse exponent	The GS1 Application Identifier digit that denotes the implied decimal point position in an element string.	-
issuance	The generation of a GS1 Prefix, GS1 Company Prefix, or GS1 identification key in accordance with GS1 rules and policies by GS1 or a GS1 Member Organisation.	
item reference	A component of the Global Trade Item Number (GTIN) assigned by the brand owner to create a unique GTIN.	_
v		
ITF-14 barcode	ITF-14 (a subset of Interleaved 2-of-5) barcodes carry GTINs only on trade items that are not expected to pass through the point-of-sale.	-

Deleted: GSIN

Deleted: See Global Shipment Identification Number.

Commented [DB62]: Need to check these healthcare definitions with Healthcare team

Commented [GU63]: Comment from Hajo - Needs to be reworded, because there are primary packages without a secondary package, like a bottle with pills without a surrounding carton, as stated in GenSpecs 2.1.5

Commented [NG64R63]: I would start a discussion through Pete Alvarez as these terms are foundational to the resulting application standards and rules.

Deleted: or a group of primary packages

Deleted: containing

Deleted: highest level of AIDC marking

Deleted: (for regulated healthcare trade items)

Deleted: A level within a graduated system of AIDC trade item marking that provides GTIN, serialisation, and potentially other attribute information.

Deleted:

Deleted: is a one-to-one illustration of

Deleted: However s

Deleted: identification number

Deleted: A numeric or alphanumeric field intended to enable the recognition of one entity versus another.

Commented [DB67]: Maybe updated as part of Digital Link work

Deleted: entity

Commented [NG68]: We use entity and object. Is there a Style Guide rule? The Architecture defines entity not object but uses both entity (44) and object (20) in running text. As some entities we identify are not easily called objects (parties), I would say we should use the Architecture term and definition for entity, then apply it universally in Gen Spec, Arch doc (when it comes up for review again), and Style Guide.

Deleted: health ca

Deleted: inner trade

Deleted: item grouping

Deleted: Intermediate package of multiples of the same trade item or a predefined assortment of trade items. An inner trade item grouping may[...]

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Deleted: ITF symbology

- Deleted: See Interleaved 2-of
- Deleted: -5 symbology.



kit	A collection of different regulated healthcare items assembled for use in a single therapy.
leading zero(<u>e</u> s)	Adding, zeroes, in the leftmost position(s) of a data string when GTIN-8, GTIN-12, or GTIN-13 are encoded in an GS1 AIDC data carrier, message, or database that requires 14-digits or when used for the same intent in other data structures such as 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 barcode	Barcode symbology using bars and spaces in one dimension.
local assigned code (LAC)	A particular use of the UPC-E barcode for restricted distribution.
ocation reference	A component of a Global Location Number (GLN) that allows the party defining the location 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.
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 a <u>rSerial Shipping Container</u> <u>Code</u> (SSCC).
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measure verifier digit	A digit calculated from the measure field in a Restricted Circulation Number (RCN) <u>that</u> is used to check that the data has been correctly composed.
	Y
	v
model reference	A component of the Global Model Number (GMN) assigned by the brand owner to create a unique GMN.
module	The narrowest nominal width unit of measure in a barcode. In certain symbologies, element widths may be specified as multiples of one module. The nominal width (& height for 2D barcodes) of a single module is equivalent to the 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.
Į	▼
multiple unit blister/package	Immediate package for a medicine with more than one single unit. Package which fully encloses the pill/caplet/capsule. Each dosage form may be individually packaged. The individually blistered dosage forms are attached to each other in one strip.
National Healthcare Reimbursement Number (NHRN)	National and/or regional identification numbers used on pharmaceutical and/or medical devices where required by national or regional regulatory organisations for product registration purposes and/or for the management of healthcare provider reimbursement.
National Trade Item Number (NTIN)	A coding scheme, administered in the healthcare sector by a national organisation for which a GS1 Prefix has been issued to permit its uniqueness within the GTIN pool but without assurance of full compatibility with GTIN functionality. The result is a product identification number assigned by a third party (not the brand owner or manufacturer). Example: the CIP (Club Inter Pharmaceutique) in France administered by the French Health Products Safety Agency (AFSSAPS).
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non- <u>human readable</u> interpretation _e text (non-HRI)	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 barcode	A linear barcode symbology designed to be ad in segments by suitably programmed laser based point-of-sale (POS) scanners.
packaging component	Objects such as bottles, caps, and labels to package a consumer trade item.
packaging component number	Global Trade Item Number (GTIN) attribute used to establish a relationship between a finished consumer trade item and packaging components.
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.

Commented [DB71]: ID SMG – zero-fill is
ambiguous, they are zeros at the start. Impact
RFID/EPC also?. THE KNOCK-ON EFFECT OF
CHANGE WOULD BE TOO SIGNIFICANT. FOCUS
ON THE DEFINITION. MAKE DEFINITION
CLEARER

		Commented [NG72R71]: I actually preferring zero
	N	Commented [DB73]: JOHN P: I do not agree that
		Deleted: Digits
$\left(\right)$	II.	Deleted: The act of a
1		Deleted: digits (always
1		Deleted:)
	V	Deleted: which must be placed
		Deleted:
N		Commented [NG74]: I think we should resolve thim
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$\left \right $	ľ	Deleted: as
$\ $		Deleted: signed by the party entity that defined
		Deleted: n
	//	Deleted: loose produce
	l (Deleted: Fruits and vegetables which are deliver
	I	Deleted: magnification
	N	Deleted: Different sizes of barcodes based on a
		Deleted: encoded using the EAN/UPC symbology
N	<u>I</u>	Deleted: medical device
	N	Deleted: Any instrument, apparatus, implement,
Ŵ	M	Deleted: minimum level of AIDC
ľ	W	Deleted: marking (for regulated healthcare trade
ľ	W	Deleted: A level within a graduated system of
N	N	Commented [DB81]: Aligned with GS1 DataMatrix
1	N	Deleted: nominal width unit of measure in a
	Į	Deleted: modulo 103 GS1-128 symbol check
		Deleted: A number, which results from a modulo
		Commented [NG84R83]: It is used in Section 6 as
/	J	Deleted: natural base
		Deleted: The side of a non-retail consumer trade
	1	Deleted: HRI
_	1	Commented [DB85]: Omnidirectional is a highly
	٦	Deleted: omnidirectionally r
	1	Deleted: high-volume omnidirectional
		Commented [DB87]: See section 2.6.11
/		Commented [NG88R87]: It is intended only for
		Deleted: Entities
		Commented [GU89]: Question for group - should



point-of-care (POC)	Location where dispensing or use of a non-retail, regulated healthcare pharmaceutical or medical device to or for a patient occurs.		Deleted: D
point-of-sale (POS)	Refers to the retail checkout where omnidirectional <u>linear</u> barcodes must be used to support high-volume laser-based scanning or low volume checkout where linear	~	Deleted: based on right product, dose, and route of administration.
	barcodes (or for regulated healthcare trade items, GS1 DataMatrix) are used with		Commented [DB90]: Definition needs to be
predefined assortments	image-based scanners. An assortment that comprises a fixed count of two or more different trade items, each identified with a unique GTIN that is declared on the package. The trade items		modernized/clarified. "omnidirectional barcodes must be used" / 2D only for low volume?
	contained within the assortment may be trade items of one or more manufacturers. When an assortment contains items from multiple manufacturers the GTIN requirement for the assortment is the responsibility of the organisation that creates the assortment.		This definition is too detailed to accommodate for market-specific nuances/capabilities
•	Any change in the configuration of the assortment is considered a new trade item.		Commented [DM91R90]: Agree that this could be updated.
price verifier digit	A digit calculated from the price element in a Restricted Circulation Number (RCN) that is used to check that the data has been correctly composed.		Commented [NG92R90]: I agree and made edits to ensure the correlation between high volume and
v	Y		low volume. I also updated it to ensure no one
product model	A base product design or specification from which a trade item is derived.		erroneously thinks 2D is permitted at POS by our standards. It is only permitted in regulated
QR Code <u>symbology</u>	A two-dimensional matrix symbology consisting of square modules arranged in a square pattern. The symbology is characterised by a unique finder pattern located at three corners of the symbol. QR Code symbols are read by two-dimensional imaging scanners or vision systems.		healthcare as an open standard (where they manage migration country by country). For variable measure is it approved for bilateral use but not as an open standard.
Quiet Zone	A clear space which precedes the start character and follows the stop character of a linear barcode or surrounds a 2D symbol.		Deleted: enable
Quiet Zone Indicator	A greater than (>) or less than (<) character, printed in the human readable field of		Deleted: very
	the barcode, with the tip aligned with the outer edge of the Quiet Zone.		Deleted: rapid
radio frequency	Any frequency within the electromagnetic spectrum associated with radio wave propagation. When a radio frequency current is supplied to an antenna, an		Deleted: 2D matrix barcodes
	electromagnetic field is created that then is able to propagate through space. Many wireless technologies are based on radio frequency field propagation.		Commented [DB93]: Oddly, predefined is never hyphenated in GS1 Gen Spec, but is in GTIN
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		Management Standard Amber, I am so glad you weren't my English teacher at school
	transmitted.		Deleted: price check digit
random assortment	An assortment that comprises items that are not uniquely identified on the package and are not marked for individual sale (e.g., a bag of individually wrapped candies or colours of tooth brushes).		Deleted: A digit calculated from the price element in a Restricted Circulation Number (RCN) encoded using the
RCN-12	A 12-digit Restricted Circulation Number (see Restricted Circulation Number).		
RCN-13	A 13-digit Restricted Circulation Number (see Restricted Circulation Number).		Deleted: EAN/UPC symbology. Used to check that data has been correctly composed.
RCN-8	An 8-digit Restricted Circulation Number (see Restricted Circulation Number)		Deleted: See price check digit.
refund receipt	A voucher produced by equipment handling empty containers (<u>i.e.</u> , bottles and crates).		Deleted: primary barcode
regulated healthcare non-retail consumer trade item	A <u>ceculated healthcare</u> trade item not intended for scanning at POS and identified with a GTIN-14, GTIN-13, GTIN-12 or GTIN-8 utilising linear or 2D matrix barcodes that can be scanned by image-based scanners.		Deleted: The barcode containing the identification number of the item (e.g., GTIN, SSCC). Used to
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 utilising linear or 2D matrix barcodes that can be scanned by image-based		determine the placement of any additional barcode information.
regulated healthcare trade	scanners. Pharmaceuticals or medical devices that are sold or dispensed in a controlled onvicement (o.g., ratail pharmacy, bespital pharmacy)	١	Deleted: and follows the stop character. Formerly referred to as "clear area" or "light margin".
item responsible entity	environment (e.g., retail pharmacy, hospital pharmacy). The party responsible for the safety and effectiveness of the medical product at a		Deleted: consumer
	moment in time in its lifecycle, according to the approved regulatory file (including labelling) and regulatory/legal/professional obligations associated with the medical product. (e.g., brand owner, repackager, hospital pharmacy, etc.)		
Restricted Circulation Number	Signifies a identification number used for special applications in restricted		Deleted: GS1
(RCN)	environments, either defined by local GS1 Member Organisations (for regional applications such as variable measure product identification and, couponing) or by a company (for internal applications).		Deleted: identification
retail consumer trade item variant	A variation of change to a retail consumer trade item (which may itself be a homogeneous or predefined assortment of other retail consumer trade items) which does not require a new GTIN, but where identification of the variation may be required.		



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returnable asset	A reusable entity owned by a company that is used for transport and storage of goods. It is identified with a GRAI.	
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separator character	Special character(s) that are defined as part of GS1 symbologies and used to separate concatenated element strings, based on their positioning in the GS1 barcodes.	
serial number	A code, numeric or alphanumeric, assigned to an individual instance of an entity for its lifetime. <u>Example: a unique individual item may be identified with the combined Global</u> Trade Item Number (GTIN) and serial number.	
serial reference	A component of the Serial Shipping Container Code (SSCC) assigned by the physical builder or brand owner of the logistic unit to create a unique SSCC.	
Serial Shipping Container Code (SSCC)	The GS1 identification key used to identify logistics 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 <u>issuing</u> organisation to create a unique GSRN.	
service relation instance number (SRIN)	An attribute to the GSRN which allows to distinguish different encounters during a service relationship.	
shipment	A grouping of logistic 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	
<u> </u>	1	
single unit package/blister	A healthcare primary package that contains one discrete pharmaceutical dosage form, i.e. a tablet, a certain volume of a liquid or that is the immediate package for a medical device like a syringe. A number of single units attached to each other, but are easily separated through a perforation would be included.	
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).	
subject of care	Any person who uses or is a potential user of a healthcare service, subjects of care may also be referred to as patients or healthcare consumers	
substrate	The material on which a barcode is printed or otherwise applied.	
Supplemental symbol	A GS1-128 barcode used in combination with EAN/UPC, ITF-14 or GS1-128 where additional information is required beyond the barcode that carries the GS1 Key (main barcode).	
supplier	The party that produces, provides, or furnishes an item or service.	
symbol	See barcode.	
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 (see also codeword).	
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 barcode 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 barcode printer and is no transmitted by the barcode 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 barcode; a type of barcode.	
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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	item Any item (product or service) upon which there is a need to retrieve predefined information and that may be priced, or ordered, or invoiced at any point in any supply chain	



Deleted: retailer zero-suppression code Deleted: A group of ID numbers (separate from Local Assigned Codes), that enable the use of UPC-E barcodes in a closed system environment (not for open supply chain applications). Deleted: scanner Deleted: An electronic device to read barcode and convert them into electrical signals understandable by a computer device Deleted: Example: microscope model AC-2 with serial number 1234568 and microscope model AC-2 with serial number 1234569. Deleted: A Deleted: brand owner Commented [NG95]: Service provider? Deleted: z Deleted: S Deleted: , such as in healthcare a cytotoxic medicine, that has undergone some manipulation, such as addition of a diluent, in order to make it administrable to a specified Deleted: patient. Deleted: single shipping/retail consumer trade item Deleted: 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). Deleted: single unit Deleted: Single item of medicine/medical device without any package, for example the single tablet in a blister or bottle, the syringe as such. Individual instance of a product, irrespective of whether it is packaged or sold individually or in groupings only Deleted: may be Deleted: y Deleted: to Commented [DB101]: Term not really used and definition not helpful Deleted: special characters Deleted: Special characters that are designated by the symbology specification. Deleted: health ca Deleted: health ca Commented [D102]: Required as part of 'add-on' clarification and removal of 'adjacent symbol' Deleted: The combination of symbol characters and features required by a particular symbology, including Quiet Zone, start and stop characters Deleted: symbology element

Deleted: A character or characters in a barcode

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trade item grouping A predefined composition of trade item(s) that is not intended for point-of-sale scanning. It is identified with a GTIN-14, GTIN-13, or GTIN-12.		
trade measures	Net measures of variable measure trade items as used for invoicing (billing) the tiltem.	
truncation	Printing a symbol shorter than the symbology specification's minimum height recommendations. Truncation can make the symbol difficult for an operator to so	
Unique Device Identifier (UDI)	A series of numeric or alphanumeric characters that is created through a globally accepted device identification and coding standard. It allows the unambiguous identification of a specific medical device on the market. The UDI is comprised of the UDI-DI and the UDI-PI. The word 'Unique' does not imply serialisation of individual production units.	
Unique Device Identifier – Device Identifier (UDI-DI)	A unique identifier specific to a medical device trade item represented by a Global Trade Item Number (GTIN).	
Unique Device Identifier – Production Identifier (UDI-PI)		
Unit of Use UDI-DI (UoU UDI- DI)	Device identifier for the unit of use, meant to associate the use of a device with a patient. In cases where the unit of use coincides with another packaging level, that level's device identifier functions as a UoU UDI-DI, otherwise a separate device identifier has to be allocated For example, three clips (which do not carry a physical UDI marking themselves) are contained in a cartridge which is packaged inside a container, which does carry a labelled UDI.	
U.P.C. Company Prefix	A GS1 Company Prefix starting with a zero ('0') becomes a U.P.C. Company Prefix by removing the leading zero. A U.P.C. Company Prefix is used to issue and allocate_GTIN-12.	
U.P.C. Prefix	A GS1 Prefix starting with a zero ('0') becomes a U.P.C. Prefix by removing the leading zero. A U.P.C. Prefix is used to issue U.P.C. Company Prefixes or allocated to other specific areas.	
Unique Identification Code (UIC) (per EU 2018/574)	Identifier of an EU 2018/574 ID Issuer that begins with an ISO 15459 Issuing Agency Code.	
unit of use	Refers to an individual unit of the product that is prescribed for or administered to a patient regardless whether it is packaged individually or, on the contrary, the smallest package contains more than one unit. May coincide with the single unit and the base unit.	
L	↓ 	
UPC-A barcode	A barcode of the EAN/UPC symbology that encodes GTIN-12 and RCN-12.	
UPC-E barcode	A barcode of the EAN/UPC symbology representing a GTIN-12 in six explicitly encoded digits using zero-suppression,	
variable measure trade item	e trade item A trade item which may be traded without a predefined measure, such as its weight or length.	
wide-to-narrow ratio	e-to-narrow ratio The ratio between the wide elements and the narrow elements in a barcode symbology such as ITF-14 that has two different element widths.	

Legacy (retired) terms

When terms are replaced or retired by GS1, they are maintained within this section for a minimum of five years. The legacy terms are supplied to point GS1 stakeholders to new terminology. The period of five years ensures harmonisation with external standards bodies whose standards make normative reference to the *GS1 General Specifications*.

Legacy term	Current term	
Coupon-12	See RCN-12	
Coupon-13	See RCN-13	
v	V	
v	Y	
Interleaved 2 of 5	ITF-14 Symbol	
Magnification	See X-dimension	
Number System Character	See U.P.C. Prefix	
print gain/loss	bar gain/loss	
Reduced Space Symbology (RSS)	GS1 DataBar Symbology	



Commented [NG106]: Check in with Pete and HLT. Commented [DB105]: JOHN P: It would be good to

Commented [DB105]: JOHN P: It would be good to have some GS1 terms used here.

Deleted: The Unit of Use UDI-DI serves to associate the use of a device with a patient in instances in which a UDI is not labelled on the individual device at the level of its actual use on a patient

Deleted: Refers to an individual unit package that is used to make up the patient-specific prescription that is prescribed for administering to a patient.

Commented [GU107]: This is the exact same wording as used in its single instance of appearing in text. 1.4.1.1

Commented [NG108R107]: I agree it could be removed. I would change Section 1.4.1.1 to say, "Global, open is an identification number used in unrestricted distribution which signifies that such system data may be applied on goods to be processed anywhere in the world, for a given application standard, without restraint as to such things as country, company, and industry."

Deleted: unrestricted distribution

Deleted: 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.

Deleted: techniques

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	Deleted: GS1 abbreviations¶ Abbreviation	[
$\langle \rangle$	Deleted: EAN	
\ \	Deleted: GS1	
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SCC-14	Global Trade Item Number		
Symbol Control Character	symbology element		
▼	v		
variable measure number (VMN)	See restricted circulation number (RCN)		
VMN-12	See RCN-12		
VMN-13	See RCN-13		
GCTIN	ITIP		

<u>2D</u>	2-dimensional barcode
ADC	Automatic Data Capture
<u>AI</u>	GS1 Application Identifier
AIDC	Automatic Identification and Data Capture
aUI	aggregate Unique Identifier (per EU 2018/574)
BUDI-DI	Basic UDI - Device Identifier
DPM	Direct Part Marking
EAN	EAN International, now called GS1
<u>EDI</u>	Electronic Data Interchange
EOID	Economic Operator Identifier (per EU 2018/574)
<u>EPC</u>	Electronic Product Code
EU	European Union
FID	Facility Identifier (per EU 2018/574)
FNC1	Function 1 Symbol Character
GCN	Global Coupon Number
GCP	GS1 Company Prefix
GDSN	Global Data Synchronisation Network
<u>GDTI</u>	Global Document Type Identifier
GEPIR	Global Electronic Party Information Registry
GIAI	Global Individual Asset Identifier
GINC	Global Identification Number for Consignment
GLN	Global Location Number
GMN	Global Model Number
<u>GRAI</u>	Global Returnable Asset Identifier
<u>GRCTI</u>	General Retail Consumer Trade Item
<u>GS1 key</u>	GS1 identification key
<u>GS1 MO</u>	GS1 Member Organisation
GSIN	Global Shipment Identification Number
GSMP	Global Standards Management Process
GSRN	Global Service Relation Number
GS1 UIC EXT	GS1 UIC Extension

Global Trade Item Number

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<u>GTIN</u>

Abbreviation	<u>Term</u>	
HRI	Human Readable Interpretation	
ISBN	International Standard Book Number	
<u>ISO</u>	International Organization for Standardization	
ISSN	International Standard Serial Number	
ITIP	Identification of Trade Item Pieces	
LAC	Local Assigned Code	
NHRN	National Healthcare Reimbursement Number	
NTIN	National Trade Item Number	
RCN	Restricted Circulation Number	
RFID	Radio Frequency Identification	
RHTI	Regulated healthcare trade item	
RSS	Reduced Space Symbology	
<u>SKU</u>	Stock Keeping Unit	
SRIN	Service Relation Instance Number	
SSCC	Serial Shipping Container Code	
<u>TPX</u>	Third Party Controlled, Serialised Extension of GTIN (restricted EU 2018/574 regulatory use)	
UIC	Unique Identification Code (per EU 2018/574)	
<u>upUI</u>	unit pack Unique Identifier (per EU 2018/574)	
<u>UDI</u>	Unique Device Identifier	
<u>UDI-DI</u>	Unique Device Identifier – Device Identifier	
<u>UDI-PI</u>	Unique Device Identifier – Production Identifier	
UoU	Unit of Use	

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