WR #	GSCN Name	Ratification Date
22-334	UNECE updates	Mar 2023

Associated Work Request (WR) Number:

Background:

This GSCN updates the name of the United Nations Economic Commission for Europe abbreviation to UNECE from UN/ECE.

Disclaimer:

GS1®, under its IP Policy, seeks to avoid uncertainty regarding intellectual property claims by requiring the participants in the Work Group that developed this **General Specifications Change Notification** to agree to grant to GS1 members a royalty-free licence or a RAND licence to Necessary Claims, as that term is defined in the GS1 IP Policy. Furthermore, attention is drawn to the possibility that an implementation of one or more features of this Specification may be the subject of a patent or other intellectual property right that does not involve a Necessary Claim. Any such patent or other intellectual property right is not subject to the licencing obligations of GS1. Moreover, the agreement to grant licences provided under the GS1 IP Policy does not include IP rights and any claims of third parties who were not participants in the Work Group.

Accordingly, GS1 recommends that any organisation developing an implementation designed to be in conformance with this Specification should determine whether there are any patents that may encompass a specific implementation that the organisation is developing in compliance with the Specification and whether a licence under a patent or other intellectual property right is needed. Such a determination of a need for licencing should be made in view of the details of the specific system designed by the organisation in consultation with their own patent counsel.

THIS DOCUMENT IS PROVIDED "AS IS" WITH NO WARRANTIES WHATSOEVER, INCLUDING ANY WARRANTY OF MERCHANTABILITY, NONINFRINGEMENT, FITNESS FOR PARTICULAR PURPOSE, OR ANY WARRANTY OTHER WISE ARISING OUT OF THIS SPECIFICATION. GS1 disclaims all liability for any damages arising from use or misuse of this Standard, whether special, indirect, consequential, or compensatory damages, and including liability for infringement of any intellectual property rights, relating to use of information in or reliance upon this document.

GS1 retains the right to make changes to this document at any time, without notice. GS1 makes no warranty for the use of this document and assumes no responsibility for any errors which may appear in the document, nor does it make a commitment to update the information contained herein.GS1 and the GS1 logo are registered trademarks of GS1 AISBL.

AI	Data Content	Format (1)	FNC1 required (4)	Data title
4317	Return-to country code: AI (4317)	N4+X2	(FNC1)	RTN TO COUNTRY
4318	Return-to postal code: AI (4318)	N4+X..20	(FNC1)	RTN TO POST
4319	Return-to telephone number: AI (4319)	N4+X..30	(FNC1)	RTN TO PHONE
4320	Service code description: AI (4320)	N4+X..35	(FNC1)	SRV DESCRIPTION
4321	Dangerous goods flag: AI (4321)	N4+N1	(FNC1)	DANGEROUS GOODS
4322	Authority to leave flag: AI (4322)	N4+N1	(FNC1)	AUTH LEAVE
4323	Signature required flag: AI (4323)	N4+N1	(FNC1)	SIG REQUIRED
4324	Not before delivery date/time: AI (4324)	N4+N10	(FNC1)	NBEF DEL DT
4325	Not after delivery date/time: AI (4325)	N4+N10	(FNC1)	NAFT DEL DT
4326	Release date: AI (4326)	N4+N6	(FNC1)	REL DATE
7001	NATO Stock Number (NSN): AI (7001)	N4+N13	(FNC1)	NSN
7002	UNECE meat carcasses and cuts classification: AI (7002)UN/ECE meat carcasses and cuts classification: AI (7002)	N4+X..30	(FNC1)	MEAT CUT
7003	Expiration date and time: AI (7003)	N4+N10	(FNC1)	EXPIRY TIME
7004	Active potency: AI (7004)	N4+N..4	(FNC1)	ACTIVE POTENCY
7005	Catch area: AI (7005)	N4+X..12	(FNC1)	CATCH AREA
7006	First freeze date: AI (7006)	N4+N6	(FNC1)	FIRST FREEZE DATE
7007	Harvest date: AI (7007)	N4+N6[+N6]	(FNC1)	HARVEST DATE
7008	Species for fishery purposes: AI (7008)	N4+X..3	(FNC1)	AQUATIC SPECIES
7009	Fishing gear type: AI (7009)	N4+X..10	(FNC1)	FISHING GEAR TYPE
7010	Production method: AI (7010)	N4+X..2	(FNC1)	PROD METHOD
7011	Test by date: AI (7011)	N4+N6[+N4]	(FNC1)	TEST BY DATE
7020	Refurbishment lot ID: AI (7020)	N4+X..20	(FNC1)	REFURB LOT
7021	Functional status: AI (7021)	N4+X..20	(FNC1)	FUNC STAT
7022	Revision status: AI (7022)	N4+X..20	(FNC1)	REV STAT
7023	Global Individual Asset Identifier of an assembly: AI (7023)	N4+X..30	(FNC1)	GIAI – ASSEMBLY
703s (6)	Number of processor with three-digit ISO country code: AI (703s)	N4+N3+X..27	(FNC1)	PROCESSOR # s
7040	GS1 UIC with Extension 1 and Importer index: AI (7040)	N4+N1+X3	(FNC1)	UIC+EXT
710	National Healthcare Reimbursement Number (NHRN) – Germany PZN: AI (710)	N3+X..20	(FNC1)	NHRN PZN
711	National Healthcare Reimbursement Number (NHRN) – France CIP: AI 711)	N3+X..20	(FNC1)	NHRN CIP
712	National Healthcare Reimbursement Number (NHRN) – Spain CN: AI (712)	N3+X..20	(FNC1)	NHRN CN
713	National Healthcare Reimbursement Number (NHRN) – Brasil DRN: AI (713)	N3+X..20	(FNC1)	NHRN DRN
714	National Healthcare Reimbursement Number (NHRN) – Portugal AIM: AI (714)	N3+X..20	(FNC1)	NHRN AIM
715	National Healthcare Reimbursement Number (NHRN) – United States of America NDC: AI (715)	N3+X..20	(FNC1)	NHRN NDC
... (5)	National Healthcare Reimbursement Number (NHRN) – Country "A" NHRN	N3+X..20	(FNC1)	NHRN xxx
723s (6)	Certification reference: AI (723s)	N4+X2+X..28	(FNC1)	CERT # s
7240	Protocol ID: AI (7240)	N4+X..20	(FNC1)	PROTOCOL
7241	AIDC media type: AI (7241)	N4+N2	(FNC1)	AIDC MEDIA TYPE

GS1 Application Identifier	Release date		
	YY	MM	DD
4 3 2 6	$N_1 N_2$	$N_3 N_4$	$N_5 N_6$

The structure is:

- Year: the tens and units of the year (e.g., 2007 = 07), which is mandatory

- Month: the number of the month (e.g., January = 01), which is mandatory

- Day: the number of the day of the relevant month (e.g., second day = 02), which is mandatory

The data transmitted from the barcode reader means that the element string denoting a release date has been captured. As this element string is an attribute to a logistic unit it must be processed together with the SSCC of the unit to which it relates (see section 4.13 *Data relationships*). When indicating this element string in the non-HRI text section of a barcode label, the following data title SHOULD be used: **REL DATE**.

3.8 GS1 Application Identifiers starting with digit 7

3.8.1 Seven series AIs - Cautionary note

GS1 Application Identifiers issued in the 7 series represent a special case because they are restricted to:

- one or a small number of sectors (i.e. are not multi-sectoral) or

- a country or a region (i.e. are not global).

3.8.2 NATO Stock Number (NSN): AI (7001)

The GS1 Application Identifier (7001) indicates that the GS1 Application Identifier data field contains a NATO stock number.

The NATO stock number is the number allocated to any item of supply in the NATO Alliance. It is the responsibility of the country that manufactures or controls the design of the item to allocate the number.

Note: This element string is only for use within the context of the supply within the NATO Alliance. Use of it is subject to the rules and regulations of the Allied Committee 135 (AC/135), the NATO Group of National Directors on Codification.

Figure 3.8.2-1. Format of the element string

GS1 Application Identifier	NATO supply classification ⟶	Assigning country ⟶	Sequential number ⟶
7 0 0 1	$N_1\ N_2\ N_3\ N_4$	$N_5\ N_6$	$N_7\ N_8\ N_9\ N_{10}\ N_{11}\ N_{12}\ N_{13}$

The data transmitted from the barcode reader means that the element string denoting a NATO stock number has been captured. As this element string is an attribute of a trade item, it must be processed together with the GTIN of the trade item to which it relates (see section 4.13 *Data relationships*).

When indicating this element string in the non-HRI text section of a barcode label, the following data title SHOULD be used: **NSN**

3.8.3 UN/ECE meat carcasses and cuts classification: AI (7002)

The GS1 Application Identifier (7002) indicates that the GS1 Application Identifier data field contains a United Nations Economic Commission for Europe (UNECE, formerly know as UN/ECE) meat

carcasses and cuts classification code. The UN/ECE meat carcasses and cuts code is an attribute of a Global Trade Item Number (GTIN) that denotes the trade description of the product. It is an alphanumeric, variable length code up to 30 characters.

✅ **Note**: This element string is only for use within the context of UN/ECE standards for the quality of meat carcasses and cuts (bovine, porcine, ovine, and caprine).

Figure 3.8.3-1. Format of the element string

GS1 Application Identifier	UN/ECE product classification
7 0 0 2	X_1———————variable length———————$\rightarrow X_{30}$

The data transmitted from the barcode reader means that the element string denoting a UN/ECE meat carcasses and cuts code has been captured. As this element string is an attribute of a trade item, it must be processed together with the GTIN of the trade item to which it relates (see section 4.13 *Data relationships*).

When indicating this element string in the non-HRI text section of a barcode label, the following data title SHOULD be used: **MEAT CUT**

3.8.4 Expiration date and time: AI (7003)

The GS1 Application Identifier (7003) indicates that the data fields contain expiration date and time. The manufacturer determines the expiration date and time, which is relevant only for short duration and for items that will not be sent on long distances and not outside of the time zone.

A typical application of AI (7003) is in hospitals or public pharmacies for special, customised, products which may have a "life duration" shorter than one single day. The life duration varies according the pharmaceutical substances used in the treatment. The precise expiration date and time is defined at the end of the manufacturing process, and can be barcoded on the product label as an attribute to the item's GTIN. Where there is no business requirement to express the expiration date to the nearest hour (or less), AI (17) Expiration date should be used.

The structure is:

■ Year: the tens and units of the year (e.g., 2007 = 07), which is mandatory.

■ Month: the number of the month (e.g., January = 01), which is mandatory.

■ Day: the number of the day of the relevant month (e.g., second day = 02), which is mandatory.

■ Hour: the number of the hour based on local 24-hour time (e.g., 2 p.m. = 14), which is mandatory.

■ Minutes**:** the number of the minutes based on local time (e.g., 15 minutes. = 15); if it is not necessary to specify the minutes, the field must be filled with two zeroes. Time will then be interpreted as ending on the hour (e.g., 14:00 = expiry time at 14:00).

✅ **Note**: element string can only specify dates in the range from 49 years in the past to 50 years in the future. Determination of the correct century is explained in section 7.12.

Figure 3.8.4-1. Format of the element string

GS1 Application Identifier	Expiration date and time				
	YY	MM	DD	HH	MM
7 0 0 3	$N_1 N_2$	$N_3 N_4$	$N_5 N_6$	$N_7 N_8$	$N_9 N_{10}$

The data transmitted from the barcode reader means that the element string denoting an expiration date and time has been captured. As this element string is an attribute of a trade item, it must be processed together with the GTIN of the trade item to which it relates (see section 4.13 *Data relationships*).

If element string		Then mandatory associated element string	Rule
AI	Designation	AI	
431N	Return-to address GS1 Application Identifiers	00	Return-to address GS1 Application Identifiers SHALL occur in combination with an SSCC
4313	Return-to address line 2	4312 AND 00	Return-to address line 2 SHALL occur in combination with line 1 of a return-to address
432N	Service-related GS1 application identifiers for transport process	00	Service-related GS1 application identifiers SHALL occur in combination with an SSCC
7001	NATO stock number	01 XOR 02 XOR 8006 XOR 8026 ***	The NATO stock number SHALL occur in combination with: ▪ a GTIN; or ▪ a GTIN of contained trade items; or ▪ an ITIP ▪ an ITIP of contained trade item pieces
7002	UN/ECE meat carcasses and cuts classification	01 XOR 02	The UN/ECE meats carcasses and cuts classification SHALL occur in combination with: ▪ a GTIN; or ▪ a GTIN of contained trade items.
7003	Expiration date and time	01 XOR 02	The expiration date and time SHALL occur in combination with: ▪ a GTIN; or ▪ a GTIN of contained trade items.
7004	Active potency	01 AND 10	The active potency SHALL occur in combination with the batch/lot number and the GTIN.
7005	Catch area	01 XOR 02	The catch area SHALL occur in combination with: ▪ a GTIN; or ▪ a GTIN of contained trade items.
7006	First freeze date	01 XOR 02	The first freeze date SHALL occur in combination with: ▪ a GTIN; or ▪ a GTIN of contained trade items.
7007	Harvest date	01 XOR 02	The harvest date SHALL occur in combination with: ▪ a GTIN; or ▪ a GTIN of contained trade items.
7008	Species for fishery purposes	01 XOR 02	The species for fishery purposes SHALL occur in combination with: ▪ a GTIN; or ▪ a GTIN of contained trade items.
7009	Fishing gear type	01 XOR 02	The fishing gear type SHALL occur in combination with: ▪ a GTIN; or ▪ a GTIN of contained trade items.
7010	Production method	01 XOR 02	The production method SHALL occur in combination with: ▪ a GTIN; or ▪ a GTIN of contained trade items.
7011	Test by date	01 XOR 02	The test by date and optional time SHALL occur in combination with: ▪ a GTIN; or a GTIN of contained trade items.
703(s)	Number of processor	01 XOR 02	The number of processor SHALL occur in combination with: ▪ a GTIN; or ▪ a GTIN of contained trade items.