



General Specifications Change Notification (GSCN)

WR #	GSCN Name	Ratification Date
22-163	Test by date AI	Aug 2022

Associated Work Request (WR) Number:

Background:

This GSCN adds the capability to designate a test date and optional time. This GS1 Application Identifier is useful when a trade item will need to be tested at a future date in order to determine if active ingredients necessary for the products effectiveness are still present and the trade item can continue to be sold.

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AI	Data Content	Format ⁽¹⁾	FNC1 required ⁽⁴⁾	Data title
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 ⁽⁸⁶⁾	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
8001	Roll products - width, length, core diameter, direction, splices: AI (8001)	N4+N14	(FNC1)	DIMENSIONS
8002	Cellular mobile telephone identifier: AI (8002)	N4+X..20	(FNC1)	CMT No
8003	Global Returnable Asset Identifier (GRAI): AI (8003)	N4+N14[+X..16]	(FNC1)	GRAI
8004	Global Individual Asset Identifier (GIAI): AI (8004)	N4+X..30	(FNC1)	GIAI
8005	Price per unit of measure: AI (8005)	N4+N6	(FNC1)	PRICE PER UNIT
8006	Identification of an individual trade item (ITIP) piece: AI (8006)	N4+N14+N2+N2	(FNC1)	ITIP
8007	International Bank Account Number (IBAN): AI (8007)	N4+X..34	(FNC1)	IBAN
8008	Date and time of production: AI (8008)	N4+N8[+N..4]	(FNC1)	PROD TIME
8009	Optically readable sensor indicator: AI (8009)	N4+X..50	(FNC1)	OPTSEN
8010	Component/Part Identifier (CPID): AI (8010)	N4+X..30	(FNC1)	CPID
8011	Component/Part Identifier serial number: AI (8011)	N4+N..12	(FNC1)	CPID SERIAL
8012	Software version: AI (8012)	N4+X..20	(FNC1)	VERSION
8013	Global Model Number (GMN): AI (8013)	N4+X..25	(FNC1)	GMN
8017	Global Service Relation Number (GSRN) to identify the relationship between an organisation offering services and the provider of services: AI (8017)	N4+N18	(FNC1)	GSRN – PROVIDER

Commented [DB5]: WR22-072



3.8.11 Production method: AI (7010)

The GS1 Application Identifier (7010) indicates that the GS1 Application Identifier data field describes the production method.

It is assigned by the fishing vessel that has caught the fisheries product. The **production method** provides the production method for fish and seafood as specified by the Fisheries and Aquaculture Department of the Food and Agricultural Organization (FAO) of the United Nations; example: 01.

The allowed values, as defined by the Fisheries and Aquaculture Department of the Food and Agricultural Organization (FAO) of the United Nations are:

- 01 'Caught at Sea'.
- 02 'Caught in Fresh Water'.
- 03 'Farmed'.
- 04 'Cultivated'.

Figure 3.8.11-1. Format of the element string

GS1 Application Identifier	Production method
7 0 1 0	X ₁ —variable length—>X ₂

The data transmitted from the barcode reader means that the element string denoting the production method 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 [4.14.2](#)).

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

3.8.12 Test by date: AI (7011)

The GS1 Application Identifier (7011) indicates that the GS1 Application Identifier data field contains a test by date and optional time. The test by date and optional time is specified by the manufacturer as the last date and time the product is acceptable for use without testing. For instance, the manufacturer may use the test by date to indicate when an ingredient used in the manufacture of a pharmaceutical product is to be tested.

The structure is:

- Year: the tens and units of the year (e.g., 2003 = 03), 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 and minutes: the hour and minutes based on local 24-hour time (e.g. 2:30 p.m. =1430), which is optional

- ✓ **Note:** This element string can only specify dates ranging from 49 years in the past to 50 years in the future. Determination of the correct century is explained in section 7.12.
- ✓ **Note:** The day of the month SHALL NOT be expressed as two zeros. A valid day of the month (e.g., last day of July = 31) SHALL be included.

Figure 3.8.12-1. Format of the element string

GS1 Application Identifier	Test by date				
	Test by date			Test by time (optional)	
	Year	Month	Day	Hour	Minutes
7 0 1 1	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 a test by date and optional time has been captured. As this element string is an attribute of a trade item, it must be processed together with the GTIN to which it relates (see section 4.14 *Data relationships*). After the test by date if the product is determined to be fit for use, the result should be communicated by the responsible party and, if necessary, a new test by date established.

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

3.8.123.8.13 Refurbishment lot ID: AI (7020)

GS1 Application Identifier (7020) indicates that the GS1 Application Identifier data field contains a refurbishment lot ID.

Together with the GTIN of the trade item and the GLN of the production or service location, the refurbishment lot ID identifies a batch of items that were remanufactured to the original specifications using a combination of reused, repaired and new parts. It is an alphanumeric, variable length string of up to 20 characters.

Figure 3.8.13-1. Format of the element string

GS1 Application Identifier	Refurbishment lot ID
7 0 2 0	X ₁ —————variable length—————>X ₂₀

The data transmitted from the barcode reader means that the element string denoting a refurbishment lot ID has been captured. It must be processed together with the GLN of the production/service location and the GTIN of the item to which it is related (see section 4.14.2).

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

3.8.133.8.14 Functional status: AI (7021)

GS1 Application Identifier (7021) indicates that the GS1 Application Identifier data field contains the functional status.

The functional status of the trade item may need to be included by the manufacturer to meet regulatory or commercial requirements. For example requirements related to the type approval, allowing the trade item to be sold in a particular country.

Figure 3.8.14-1. Format of the element string

GS1 Application Identifier	Functional status
7 0 2 1	X ₁ —————variable length—————>X ₂₀

The data transmitted from the barcode reader means that the element string denoting a functional status has been captured. As this element string is an attribute of a trade item, it must be processed in combination with the GTIN of the item to which it is related (see section 4.14 *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: <ul style="list-style-type: none"> ■ 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: <ul style="list-style-type: none"> ■ 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: <ul style="list-style-type: none"> ■ 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: <ul style="list-style-type: none"> ■ 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: <ul style="list-style-type: none"> ■ a GTIN; or ■ a GTIN of contained trade items.
7007	Harvest date	01 XOR 02	The harvest date SHALL occur in combination with: <ul style="list-style-type: none"> ■ 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: <ul style="list-style-type: none"> ■ 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: <ul style="list-style-type: none"> ■ a GTIN; or ■ a GTIN of contained trade items.
7010	Production method	01 XOR 02	The production method SHALL occur in combination with: <ul style="list-style-type: none"> ■ 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: <ul style="list-style-type: none"> ■ 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: <ul style="list-style-type: none"> ■ a GTIN; or ■ a GTIN of contained trade items.