

WR #	GSCN Name	Effective Date
WR 25-306	Data relationships with AI (03)	23-04-2026

1 **Associated Work Request (WR) Number:**

2 **Background:**

Contact lens manufacturers are currently not able to use multiple existing GS1 Application Identifiers with the newly created MtO GTIN AI\_(03) that are currently allowed for use with the now referred to as MtS GTIN AI (01). This work request will define and allow the use of existing GS1 Application Identifiers that CAN currently be used with MtS GTIN AI\_(01) for use with MtO GTIN AI\_(03). The use of these AIs are needed for traceability purposes, post market surveillance and other regulatory requirements.

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2. Mandatory pairs of element strings, indicating which element strings must occur in combination with one or more other element strings.

- ✔ **Note:** In both tables, the GS1 Application Identifiers (AIs) are used to indicate the element string. But when evaluating the rule the complete element string, i.e. the AI and the data field, needs to be taken into account.
- ✔ **Note:** GTINs encoded in an EAN/UPC and ITF-14 symbols are to be regarded as element strings prefixed by an inferred AI (01).
- ✔ **Note:** Duplicate element strings (e.g., two serial numbers, two batch/lot numbers, two Extended Packaging URLs) MAY appear on the same physical entity (for example in multiple barcodes). In that case they SHALL have the same value in each occurrence on that entity.

#### 4.13.1 Invalid pairs of element strings

This section defines the pairs of element strings that SHALL NOT appear together on the same physical entity. The table does not provide a finite list of all possible rules, only situations that have proven to pose difficulties in practice are included.

Some explanation on [Table 4-4](#):

- The table is sorted by AI value, with the lowest AI value displayed in the first column.
- Multiple AIs may be listed in the first or third column, separated by commas. This means that the same rule applies to all listed AIs.
- The rules work in both directions, e.g., if it states AI (01) SHALL NOT be combined with AI (37) this implies that AI (37) SHALL NOT be combined with AI (01).
- For the purpose of this table Made-to-Stock (MtS) GTIN AI (01) and Made-to-Order (MtO) GTIN AI (03) are simply referred to as GTIN.

**Table 4-4** Invalid pairs of element strings

Invalid pairs of element strings				Rule
AI	Designation	AI	Designation	
01	GTIN	01	GTIN	All occurrences of GTIN SHALL have one value. It is for example not allowed to include GTINs of other packaging levels.
01	GTIN	02	GTIN of contained trade items	GTIN of contained trade items is intended to list the trade items contained in a logistic unit and SHALL NOT be used to identify the contents of a trade item.
01	GTIN	03	GTIN	The same GTIN value SHALL NOT be used with AI (01) and AI (03) and a trade item identified with (01) GTIN SHALL NOT be identified by a MtO GTIN with AI (03).
01, 03	GTIN	37	Count of units contained	The count of units contained SHALL only be used with GTIN of contained trade items or trade item pieces.
01	GTIN	255	Global Coupon Number	A trade item SHALL NOT also be identified as a coupon.
03	GTIN	02	GTIN of contained trade items	GTIN of contained trade items is intended to list the trade items contained in a logistic unit and SHALL NOT be used to identify the contents of a MtO trade item.
<a href="#">03</a>	<a href="#">GTIN</a>	<a href="#">03</a>	<a href="#">GTIN</a>	<a href="#">All occurrences of a Made-to-Order (MtO) GTIN SHALL have one value</a>

Invalid pairs of element strings				Rule
AI	Designation	AI	Designation	
<a href="#">03</a>	<a href="#">GTIN</a>	<a href="#">235</a>	<a href="#">Third Party Controlled, Serialised Extension of GTIN</a>	<a href="#">A Made-to-Order (MtO) GTIN SHALL NOT be used with a Third Party Controlled, Serialised Extension of GTIN.</a>
21	Serial Number	235	Third Party Controlled, Serialised Extension of GTIN	Only Serial Number or Third Party Controlled, Serialised Extension of GTIN SHALL be used with GTIN.
420	Ship to postal code, single postal authority	421	Ship to postal code with ISO country code	Only one ship to postal code SHALL be applied on the same physical entity.
421	Ship-to / Deliver-to postal code with three-digit ISO country code	4307	Ship-to / Deliver-to country code	Only one ship to country code SHALL be applied on the same physical entity.
422, 423, 424, 425	Country of origin, initial processing, processing, or disassembly	426	Country of full processing	Country of origin, initial processing, processing, or disassembly SHALL NOT be used in combination with country of full processing, since this would lead to ambiguous data.
390n	Amount payable – single monetary area	391n	Amount payable – with ISO currency code	Only one amount payable element string SHALL be applied on a payment slip.
390n	Coupon value	394n, 8111	Percentage discount of a coupon, Loyalty points of a coupon	The element strings coupon value, percentage discount of a coupon and loyalty points of a coupon SHALL NOT be applied in combination.
392n	Amount payable for a variable measure trade item – single monetary area	393n, 395n	Amount payable for a variable measure trade item and ISO currency code, Amount payable per unit of measure single monetary area (variable measure trade item)	Only one amount payable element string SHALL be applied on a variable measure trade item.
394n	Percentage discount of a coupon	8111	Loyalty points of a coupon	The element strings percentage discount of a coupon and loyalty points of a coupon SHALL NOT be applied in combination.
395n	Amount payable per unit of measure single monetary area (variable measure trade item)	8005	Price per unit of measure	The element strings Amount payable per unit of measure single monetary area (variable measure trade item) and Price per unit of measure SHALL NOT be applied in combination.
395n	Amount payable per unit of measure single monetary area (variable measure trade item)	392n, 393n	Applicable amount payable, single monetary area (variable measure trade item), Applicable amount payable with ISO currency code (variable measure trade item)	Only one amount payable element string SHALL be applied on a variable measure trade item.

Invalid pairs of element strings				Rule
AI	Designation	AI	Designation	
4330	Maximum temperature in Fahrenheit	4331	Maximum temperature in Celsius	Only a single maximum temperature SHALL be used in combination with an SSCC
4332	Minimum temperature in Fahrenheit	4333	Minimum temperature in Celsius	Only a single minimum temperature SHALL be used in combination with an SSCC.
<a href="#">7240</a>	<a href="#">Protocol ID</a>	<a href="#">03</a>	<a href="#">GTIN</a>	<a href="#">A Made-to-Order (MtO) GTIN SHALL NOT be used with Protocol ID.</a>
7250	Date of birth	7251	Date and time of birth	Only one date of birth SHALL be used
7256	Full name of person	7253, 7254, 7255, 7259	Family name of person, given name of person and name suffix of person, baby of family name	Either full name of person or a combination of family name of person, given name of person and name suffix of person SHALL be used.
7259	Baby of family name	7253, 7254, 7255, 7256	Family name of person, given name of person, name suffix of person, full name of person	Where the recipient of care identified by a GSRN is a baby, the name of the baby SHALL either be provided through AI (7259) (possibly in conjunction with AI (7258), to handle situations of multiple births) or through the combination of one or more of AIs (7253), (7254), (7255), (7256).
8006	ITIP	01	GTIN	The GTIN SHALL NOT be used in combination with the identification of an individual trade item piece. The GTIN of the trade item to which the individual trade item piece belongs is contained in the element string.
<a href="#">8006</a>	<a href="#">ITIP</a>	<a href="#">03</a>	<a href="#">GTIN</a>	<a href="#">A Made-to-Order (MtO) GTIN SHALL NOT be used in combination with the identification of an individual trade item piece.</a>
8006	ITIP	37	Count of units contained	The count of units contained SHALL only be used with GTIN of contained trade items or trade item pieces.
8018	GSRN for the recipient	8017	GSRN for the provider	Only one Global Service Relation Number (recipient or provider) SHALL be applied at one time for identification of an individual in a given service relationship
8026	Identification of a trade item piece contained in a logistic unit	02, 8006	GTIN of contained trade items, Identification of an individual trade item piece	Identification of the trade item piece contained in a logistic unit SHALL NOT be used in combination with GTIN of contained trade items or identification of an individual trade item piece.
<a href="#">8026</a>	<a href="#">Identification of a trade item piece contained in a logistic unit</a>	<a href="#">03</a>	<a href="#">GTIN</a>	<a href="#">Identification of the trade item piece contained in a logistic unit SHALL NOT be used in combination with a Made-to-Order (MtO) GTIN.</a>

#### 4.13.2 Mandatory association of element strings

This section defines the element strings that mandate the appearance of another element string on the same physical entity.



**Note:** This does not necessarily mean that the element strings need to appear in the same data carrier. For example, multiple GS1-128 barcode symbols may be used in combination on a GS1 Logistic Label.

[Table 4-5](#) reflects the use case requirements to date. Should future applications arise that require associations they will be added at that time.

Some explanation on [Table 4-5](#):

- The table is sorted by AI value, with the AI that is the trigger for the rule displayed in the first column. This means that this table cannot be read in both directions. For example, a rule that states AI (17) must be used together with AI (01), does not imply that AI (01) can only be used together with AI (17), since it can also be used with other AIs.
- Multiple AIs may be listed in the first column, separated by commas. This means that the rule applies to all of the listed AIs (element strings).
- The same AI can occur in the first column multiple times, in different rows. This means that depending on the value of the element string different rules need to be applied.
- When multiple AIs are included in the third column, this is always done with an AND, OR or XOR logical operator between them:
  - AND means that all element strings SHALL appear on the physical entity
  - OR means that one or a combination of the element strings SHALL appear on the physical entity.
  - XOR means that one of the element strings SHALL appear on the physical entity and the other element string SHALL NOT.

**Table 4-5** Mandatory association of element strings

If element string		Then mandatory associated element string	Rule
AI	Designation	AI	
01 with N1 = 0	GTIN of a variable measure trade item scanned at POS	30 OR 3nnn*	The GTIN of a variable measure trade item scanned at POS SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ variable count of items; or</li> <li>■ a trade measure</li> </ul> Note: Master data will be needed to determine whether the GTIN represents a variable measure trade item scanned at POS. Also see the note below this table.
01 with N1 = 9, 02 with N1 = 9	GTIN of a variable measure trade item not scanned at POS	30 OR 3nnn* OR 8001	The GTIN of a variable measure trade item not scanned at POS SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ variable count of items; or</li> <li>■ a trade measure; or</li> <li>■ the dimensions of a roll product.</li> </ul> Note: The first position of the GTIN is "9" for such trade items. Also see the note below this table.
01 with N1 = 9	GTIN of a custom trade item per section <a href="#">2.6.8</a>	242	The GTIN of a custom trade item using AI (01) and indicator digit "9" SHALL be used in combination with the Made-to-Order variation number. Note: The first position of the GTIN is "9" for such trade items.
02	GTIN of contained trade items	00 AND 37	The GTIN of contained trade items SHALL occur in combination with an SSCC and the count of the trade items.
10	Batch/lot number	01 XOR 02 XOR 03 XOR 8006 XOR 8026 ***	Batch/lot number SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items; or</li> <li>■ <del>Identification of a Made-to-Order (MtO) trade item (GTIN)</del>; or</li> <li>■ an ITIP; or</li> <li>■ an ITIP of contained trade item pieces</li> </ul>
11, 13, 15, 16, 17	Production date, packaging date, best before date, sell by date, expiration date (of a trade item)	01 XOR 02 XOR 03 XOR 8006 XOR 8026 ***	These dates SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items; or</li> <li>■ <del>Identification of a Made-to-Order (MtO) trade item (GTIN)</del>; or</li> <li>■ an ITIP; or</li> <li>■ an ITIP of contained trade item pieces</li> </ul>

If element string		Then mandatory associated element string	Rule
AI	Designation	AI	
12	Due date	8020 AND 415	The due date SHALL occur in combination with the payment slip reference number and the GLN of the invoicing party
17	Expiration date (of a coupon)	255	The expiration date of a coupon SHALL occur in combination with the GCN.
20	Internal product variant	01 XOR 02 XOR <a href="#">03 XOR 8006</a> XOR 8026 ***	Internal product variant SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items; or</li> <li>■ <a href="#">a Made-to-Order (MtO) GTIN; or</a></li> <li>■ an ITIP; <a href="#">or</a></li> <li>■ an ITIP of contained trade item pieces</li> </ul>
21	Serial number	01 XOR 03 XOR 8006***	The serial number SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ <del>Identification of a Made-to-Order (MtO) trade item (GTIN);</del> or</li> <li>■ an ITIP</li> </ul> Note: SGTIN is a common term for the combination of GTIN and serial number.
22	Consumer product variant	01	The consumer product variant SHALL occur in combination with a GTIN of a retail consumer trade item.
235	Third Party Controlled Serialised Extension of GTIN	01	The Third Party Controlled Serialised Extension of GTIN SHALL occur in combination with a GTIN of a trade item.
240	Additional product identification	01 XOR 02 XOR <a href="#">03 XOR 8006</a> XOR 8026 ***	The additional product identification SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items; or</li> <li>■ <a href="#">a Made-to-Order (MtO) GTIN; or</a></li> <li>■ an ITIP; <a href="#">or</a></li> <li>■ an ITIP of contained trade item pieces</li> </ul>
241	Customer part number	01 XOR 02 XOR <a href="#">03 XOR 8006</a> XOR 8026 ***	The customer part number SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ the GTIN; or</li> <li>■ the GTIN of contained trade items; or</li> <li>■ <a href="#">a Made-to-Order (MtO) GTIN; or</a></li> <li>■ an ITIP; <a href="#">or</a></li> <li>■ an ITIP of contained trade item pieces</li> </ul>
242	Made-to-Order variation number	(01 with N <sub>1</sub> = 9) XOR (02 with N <sub>1</sub> = 9) XOR (8006 with N <sub>1</sub> = 9) XOR (8026 with N <sub>1</sub> = 9) ***	The Made-to-Order variation number SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ the GTIN; or</li> <li>■ the GTIN of contained trade items; or</li> <li>■ an ITIP</li> <li>■ an ITIP of contained trade item pieces</li> </ul> Note: The GTIN must relate to a custom trade item. The first position of the GTIN is "9" for such trade items.
243	Packaging Component Number	01 <a href="#">XOR 03</a>	The Packaging Component Number SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ <del>a the</del> GTIN; <a href="#">or</a></li> <li>■ <a href="#">a Made-to-Order (MtO) GTIN</a></li> </ul>
250	Secondary serial number	(01 XOR <a href="#">03 XOR 8006***</a> ) AND 21	The secondary serial number SHALL occur in combination with the serial number <u>and</u> : <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ <a href="#">a Made-to-Order (MtO) GTIN; or</a></li> <li>■ an ITIP</li> </ul>

If element string		Then mandatory associated element string	Rule
AI	Designation	AI	
251	Reference to source entity	01 XOR <a href="#">03 XOR 8006***</a>	The reference to source entity SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a <a href="#">Made-to-Order (MtO) GTIN</a>; or</li> <li>■ <a href="#">aAn ITIP</a></li> </ul>
254	GLN extension component	414	The GLN extension component SHALL occur with the Identification of a physical location (GLN).
30	Variable count of items	01 XOR 02	The variable count of items SHALL occur with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items.</li> </ul> Note: The GTIN must relate to a variable measure trade item.
3nnn*	Trade measures	01 XOR 02	Trade measures SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items.</li> </ul> Note: The GTIN must relate to a variable measure trade item.
3nnn**	Logistic measures	00 OR 01	Logistic measures SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ an SSCC</li> <li>■ a GTIN</li> </ul>
337n	Kilograms per square metre	01	Kilograms per square metre SHALL occur in combination with a GTIN.
37	Count of units contained	00 AND (02 XOR 8026)	The count of units contained SHALL occur in combination with the SSCC and: <ul style="list-style-type: none"> <li>■ GTIN of contained trade items, or</li> <li>■ ITIP of contained trade item pieces.</li> </ul>
390n	Amount payable – single monetary area	8020 AND 415	The amount payable (single monetary area) SHALL occur in combination with the payment slip reference number and the GLN of the invoicing party.
390n	Coupon value – single monetary area	255	The coupon value (single monetary area) SHALL occur in combination with the Global Coupon Number.
391n	Amount payable – with ISO currency code	8020 AND 415	The amount payable (with ISO currency code) SHALL occur in combination with the payment slip reference number and the GLN of the invoicing party.
392n	Applicable amount payable - single monetary unit	01 AND (30 XOR 31nn XOR 32nn XOR 35nn XOR 36nn *)	The applicable amount payable (single monetary area) SHALL occur in combination with the GTIN and either: <ul style="list-style-type: none"> <li>■ variable count of items; or</li> <li>■ a trade measure.</li> </ul> Note: The GTIN must relate to a variable measure trade item.
393n	Applicable amount payable – with ISO currency code	01 AND (30 XOR 31nn XOR 32nn XOR 35nn XOR 36nn *)	The applicable amount payable (with ISO currency code) SHALL occur in combination with the GTIN and either: <ul style="list-style-type: none"> <li>■ variable count of items; or</li> <li>■ a trade measure.</li> </ul> Note: The GTIN must relate to a variable measure trade item.
394n	Percentage of a coupon	255	The percentage of a coupon SHALL occur in combination with the Global Coupon Number.
395n	Amount payable per unit of measure single monetary area (variable measure trade item)	01 AND (30 XOR 31nn XOR 32nn XOR 35nn XOR 36nn *)	The applicable amount payable per unit of measure (single monetary area) SHALL occur in combination with the GTIN and either: <ul style="list-style-type: none"> <li>■ variable count of items; or</li> <li>■ a trade measure.</li> </ul> Note: The GTIN must relate to a variable measure trade item.
403	Routing code	00	The routing code SHALL occur in combination with an SSCC.

If element string		Then mandatory associated element string	Rule
AI	Designation	AI	
415	GLN of the invoicing party	8020	The GLN of the invoicing party SHALL occur in combination with the payment slip reference number.
422	Country of origin	01 XOR 02 XOR <a href="#">03 XOR 8006</a> XOR 8026 ***	The country of origin SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items; or</li> <li>■ a <a href="#">Made-to-Order (MtO) GTIN</a>; or</li> <li>■ an ITIP; or</li> <li>■ an ITIP of contained trade item pieces.</li> </ul>
423	Country of initial processing	01 XOR 02 <a href="#">XOR 03</a>	The country of initial processing SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items; or</li> <li>■ a <a href="#">Made-to-Order (MtO) GTIN</a>.</li> </ul>
424	Country of processing	01 XOR 02 <a href="#">XOR 03</a>	The country of processing SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items; or</li> <li>■ a <a href="#">Made-to-Order (MtO) GTIN</a>.</li> </ul>
425	Country of disassembly	01 XOR 02 <a href="#">XOR 03</a>	The country of disassembly SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items; or</li> <li>■ a <a href="#">Made-to-Order (MtO) GTIN</a>.</li> </ul>
426	Country of full processing	01 XOR 02 <a href="#">XOR 03</a>	The country of full processing SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items; or</li> <li>■ a <a href="#">Made-to-Order (MtO) GTIN</a>.</li> </ul>
427	Country subdivision of origin	(01 XOR 02 <a href="#">XOR 03</a> ) AND 422	The country subdivision of origin SHALL occur in combination with the country of origin and: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items; or</li> <li>■ a <a href="#">Made-to-Order (MtO) GTIN</a>.</li> </ul>
430N	Ship-to / Deliver-to address GS1 Application Identifiers	00	Ship-to / Deliver-to address GS1 Application Identifiers SHALL occur in combination with an SSCC
4303	Ship-to / Deliver-to address line 2	4302 and 00	Ship-to / Deliver-to address line 2 SHALL occur in combination with line 1 of a ship-to address and an SSCC
4309	Ship-to / Deliver-to GEO location	00	Ship-to / Deliver-to GEO location SHALL occur in combination with an SSCC
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
4330	Maximum temperature in Fahrenheit	00	Maximum temperature in Fahrenheit SHALL occur in combination with an SSCC
4331	Maximum temperature in Celsius	00	Maximum temperature in Celsius SHALL occur in combination with an SSCC

If element string		Then mandatory associated element string	Rule
AI	Designation	AI	
4332	Minimum temperature in Fahrenheit	00	Minimum temperature in Fahrenheit SHALL occur in combination with an SSCC
4333	Minimum temperature in Celsius	00	Minimum temperature in Celsius 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"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items; or</li> <li>■ an ITIP</li> <li>■ an ITIP of contained trade item pieces</li> </ul>
7002	UNECE meat carcasses and cuts classification	01 XOR 02	The UNECE meats carcasses and cuts classification SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items.</li> </ul>
7003	Expiration date and time	01 XOR 02 XOR 03	The expiration date and time SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items; or</li> <li>■ a Made-to-Order (MtO) GTIN.</li> </ul>
7004	Active potency	(01 XOR 03) AND 10	The active potency SHALL occur in combination with the batch/lot number and: <ul style="list-style-type: none"> <li>■ a <del>the</del> GTIN; or</li> <li>■ a Made-to-Order (MtO) GTIN.</li> </ul>
7005	Catch area	01 XOR 02	The catch area SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items.</li> </ul>
7006	First freeze date	01 XOR 02	The first freeze date SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items.</li> </ul>
7007	Harvest date	01 XOR 02	The harvest date SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items.</li> </ul>
7008	Species for fishery purposes	01 XOR 02	The species for fishery purposes SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items.</li> </ul>
7009	Fishing gear type	01 XOR 02	The fishing gear type SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items.</li> </ul>
7010	Production method	01 XOR 02 XOR 03	The production method SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items; or</li> <li>■ a Made-to-Order (MtO) GTIN.</li> </ul>
7011	Test by date	01 XOR 02 XOR 03	The test by date and optional time SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items; or</li> <li>■ a Made-to-Order GTIN.</li> </ul>
703(s)	Number of processor	01 XOR 02	The number of processor SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items.</li> </ul>

If element string		Then mandatory associated element string	Rule
AI	Designation	AI	
710, 711, 712, 713, 714, 715, 716, 717	National Healthcare Reimbursement Number	01	National Healthcare Reimbursement Number(s) SHALL occur in combination with the GTIN.
7020	Refurbishment lot ID	(01 XOR <a href="#">03 XOR 8006***</a> ) AND 416	The refurbishment lot ID SHALL occur in combination with the GLN of production/service location <u>and</u> : <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ <a href="#">a Made-to-Order (MtO) GTIN; or</a></li> <li>■ an ITIP</li> </ul>
7021	Functional status	01 XOR <a href="#">03 XOR 8006***</a>	The functional status SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ <a href="#">a Made-to-Order (MtO) GTIN; or</a></li> <li>■ an ITIP</li> </ul>
7022	Revision status	(01 XOR <a href="#">03 XOR 8006***</a> ) AND 7021	The revision status SHALL occur in combination with the functional status <u>and</u> : <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ <a href="#">a Made-to-Order (MtO) GTIN; or</a></li> <li>■ an ITIP</li> </ul>
7041	UN/CEFACT freight unit type	00	The UN/CEFACT freight unit type SHALL occur with an SSCC.
723s	Certification reference	01 XOR 8004	Certification reference SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GIAI</li> </ul>
7240	Protocol ID	01 XOR 8006	The protocol ID SHALL occur in combination with a GTIN
7241	AIDC media type	8017 XOR 8018	The AIDC media type SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ the GSRN for the provider; or</li> <li>■ the GSRN for the recipient</li> </ul>
7242	Version Control Number (VCN)	8017 XOR 8018	The Version Control Number SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ the GSRN for the provider; or</li> <li>■ the GSRN for the recipient</li> </ul>
7250, 7251, 7252, 7257, 7259	Date of birth, date and time of birth, biological sex, address of person, baby of family name	8018	Date of birth, date and time of birth, biological sex, address of person and baby of family name SHALL occur in combination with a Global Service Relation Number – Recipient
7253, 7254, 7255, 7256	Family name of person, given name of person, name suffix of person, full name of person	8017 XOR 8018	Family name of person, Given name of person, Full name of person and Name suffix of person SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ Global Service Relation Number – Provider; or</li> <li>■ Global Service Relation Number – Recipient</li> </ul>
7258	Baby birth sequence indicator	8018 AND 7259	Baby birth sequence indicator SHALL occur in combination with a Global Service Relation Number – Recipient and Baby of family name.
8001	Dimensions of roll products	01	Dimensions of roll products SHALL occur in combination with the GTIN. Note: The GTIN must relate to a variable measure trade item.
8005	Price per unit of measure	01 XOR 02	The price per unit of measure SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items.</li> </ul> Note: The GTIN must relate to a variable measure trade item.

If element string		Then mandatory associated element string	Rule
AI	Designation	AI	
8007	International Bank Account Number	8020 AND 415	The International Bank Account Number SHALL occur in combination with the payment slip reference number and the GLN of the invoicing party.
8008	Date and time of production	01 XOR 02 <a href="#">XOR 03</a>	The date and time of production SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ a GTIN of contained trade items; <a href="#">or</a></li> <li>■ a <a href="#">Made-to-Order (MtO) GTIN</a>.</li> </ul>
8009	Optically readable sensor indicator	<a href="#">(01 XOR 03) OR 00</a>	The Optically Readable Sensor Indicator Number SHALL occur in combination with the GTIN, <a href="#">a Made-to-Order (MtO) GTIN</a> or <a href="#">an SSCC</a> . Note the <del>two</del> data elements may or may not appear in the same data carrier.
8011	CPID serial number	8010	The CPID serial number SHALL occur in combination with the CPID.
8012	Software Version	01 XOR <a href="#">03 XOR 8006***</a>	The software version SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN; or</li> <li>■ <a href="#">a Made-to-Order (MtO) GTIN; or</a></li> <li>■ an ITIP</li> </ul>
8014	Highly Individualised Device Registration Identifier (HIDRI)	01	Highly Individualised Device Registration Identifier SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ a GTIN with AI (01)</li> </ul>
8019	Service Relation Instance Number	8017 XOR 8018	The Service Relation Instance Number SHALL occur in combination with: <ul style="list-style-type: none"> <li>■ the GSRN for the provider; or</li> <li>■ the GSRN for the recipient.</li> </ul>
8020	Payment slip reference number	415	The payment slip reference number SHALL occur in combination with the GLN of the invoicing party.
8026	ITIP of contained pieces	00 AND 37	The ITIP of contained pieces SHALL occur in combination with an SSCC and the count of the pieces.
8030	Digital Signature (DigSig)	(01 AND 21) XOR <a href="#">(03 AND 21) XOR (8006 AND 21) XOR (8010 AND 8011) XOR 8003 XOR 8004 XOR 8017 XOR 8018 XOR 00 XOR 253 XOR 255</a>	The Digital Signature (DigSig) SHALL occur in combination with one of the following: <ul style="list-style-type: none"> <li>■ <a href="#">Global Trade Item Number and Serial number</a></li> <li>■ <a href="#">Made-to-Order (MtO) GTIN and Serial number</a></li> <li>■ Identification of an individual trade item piece and Serial number</li> <li>■ Component/Part Identifier and Component/Part Identifier serial number</li> <li>■ Global Returnable Asset Identifier including Serial component</li> <li>■ Global Individual Asset Identifier</li> <li>■ Global Service Relation Number - Provider</li> <li>■ Global Service Relation Number - Recipient</li> <li>■ Serial Shipping Container Code</li> <li>■ Global Document Type Identifier including Serial component</li> <li>■ Global Coupon Number including Serial component</li> </ul>
8040	IMEI	01 AND 21	The IMEI number SHALL occur in combination with a Global Trade Item Number and serial number
8041	IMEI2	01 AND 21 AND 8040	The IMEI2 number SHALL occur in combination with a Global Trade Item Number, serial number, and the IMEI number.
8042	Embedded SIM number	01 AND 21 AND 8040	The embedded SIM number SHALL occur in combination with a Global Trade Item Number, serial number and IMEI.
8043	Physical SIM number	01 AND 21 AND 8040	The physical SIM number SHALL occur in combination with a Global Trade Item Number, serial number and IMEI.