WR #	GSCN Name	Effective Date
WR 23-347	Removal of healthcare use of AI (8200)	Dec 2023

Associated Work Request (WR) Number:

Background:

AI (8200) is not supported in healthcare applications. This WR is needed to clarify this point and remove references that might indicate that it can be used in healthcare applications.

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2.1.13.2 GS1 element string syntax for extended packaging applications for trade items

The GS1 element string syntax provides an extended packaging solution that can lead to brand owner authorised information. The GTIN is the primary GS1 key used to access GS1 B2C data standards and services and all GS1 application standards for consumer trade items require GTIN, therefore this standard makes normative reference to the sections in the GS1 General Specifications related to consumer trade items in the figure below.

In addition to using GTIN and indirect mode to reach trusted data, the URL AI (8200) with GTIN can be used to reach brand owner authorised information or applications via direct mode. GTIN and AI (8200) are encoded as separate data elements in the barcode but once decoded they are processed in a standard fashion by concatenating the following three strings: the contents of AI (8200), followed by a slash (/) character, followed by the GTIN expressed as 14 numeric digits. For example, where a trade item's GTIN, when expressed as 14 digits is 01234567890128 and the URL for direct mode access to information is http://example.com/01234567890128.

When encoded in the symbol, the sequence for encoding is (01) 01234567890128 (8200) http://example.com, but when processed the URL, a slash and the GTIN are combined to arrive at http://example.com/01234567890128.

The example provided is not intended to constrain the brand owner to the use of http URL schema, the .com top-level domain, or the specific structure of URL illustrated. Any URL may be used, and in processing the slash character and 14-digit GTIN are appended.

These values are also expressed in non-HRI text on the label (see section $\underline{4.14}$). If GTIN attributes beyond AI (8200) are encoded together with GTIN and PRODUCT URL they are processed and expressed in text on the label as http://brandownerassignedURL.com/gtin/serialnumber where serial number equals up to 20 alphanumeric digits.

Section Title General Regulated Regulated retail POS healthcare: healthcare: retail POS non-retail / Fixed measure trade items scanned at retail POS Yes Fixed measure fresh food trade items scanned at 2.1.3.6 retail POS Fixed measure trade items scanned in general 2.1.4 Yes distribution and at retail POS 2.1.5 Healthcare primary packaging (non-retail trade Yes items)2 2.1.6 Healthcare secondary packaging (regulated Yes healthcare retail consumer trade items)* Fixed measure trade items scanned in general 2.1.7.1 Yes distribution - identification of a trade item that is a single product* 2.1.12.1 Variable measure fresh food trade items scanned at retail point-of-sale using GTIN

Figure 2.1.13-1. Overview of related normative sections

*Important: For healthcare applications AI (8200) will be deprecated on 31 December 2026, healthcare applications SHALL NOT utilise AI (8200) after this date

GS1 key

Required

The allowed key formats for this application are:

- GTIN-8
- GTIN-12
- GTIN-13



For regulated healthcare non-retail applications also: GTIN-14

Rules

All rules in the sections that appear in figure 2.1.13-1 apply as described in each section.

Attributes

Required

For the purpose of direct mode, AI (8200) must be used in combination with GTIN when brand owners provide extended packaging information or applications.

Optional

For the purpose of indirect mode, all attributes in the sections which appear in the figure in section 2.1.13 apply as described in each section.

Rules

All rules in the sections that appear in figure 2.1.13-1 apply as described in each section.

Data carrier specification

Carrier choices

For the purpose of supporting indirect mode, all carrier choices in the sections which appear in the figure 2.1.13-1 apply as described in each section.

For the purpose of direct mode, in addition to the symbol required for indirect mode, when AI (8200) is used, GS1 DataMatrix and GS1 QR Code are the only approved data carriers. In the case of regulated healthcare consumer trade items, only GS1 DataMatrix is approved. See also section 4.15.

Symbol X-dimensions, minimum symbol height and minimum symbol quality

To determine the appropriate specifications for printing and quality control, see the GS1 symbol specification table(s) referred to in each application standard shown in figure 2.1.13-1.

Symbol placement

None defined.

Unique application processing requirements

For a description of processing requirements, see section $\underline{\mathbf{7}}$.

2.1.14 European Regulation 2018/574, traceability of tobacco products

This application standard provides a normative GS1 response to a specific regulatory requirement. It covers identification and marking of various entities per the Commission *Implementing Regulation (EU) 2018/574 on technical standards for the establishment and operation of a traceability system for tobacco products.* https://ec.europa.eu/health/tobacco/tracking_tracing_system_en. If other regulatory authorities (outside the EU) adopt the EU approach, this application standard is intended to support their efforts and enable global interoperability.

The regulation specifies where ISO/IEC 15459 compliant GS1 identification keys can be used to identify:

- 4. Unit packs (retail trade item consumer units) for traceability purposes (retail point of sale specifications are defined within separate application standard 2.1.3)
- Aggregates defined as "any packaging containing more than one unit packet of tobacco products" (trade item groupings), including:
 - a. Trade item grouping (e.g., higher level aggregations of unit packs such as cartons and cases) defined within separate application standards 2.1.4 or 2.1.7.