



General Specifications Change Notification (GSCN)

WR #	GSCN Name	Effective Date
N/A	AIDC Application Standard - Use of a Global Service Relation Number (GSRN) AI (8018) and attributes to support the verification or validation of subject of care (patient)	DD-MM-YYYY

Associated Work Request (WR) Number:

N/A

Background:

Having created an Application Standard for the *"Use of demographic data to support verification or validation of personal identity"* the subsequent implementation guidelines need an updated Application Standard to detail the use of the GSRN AI (8018) and other allowed attributes e.g. SRIN, VCN, AIDC Media type and demographic identifiers to be detailed supporting the verification or validation of the subject of care (patient) and a means of providing a mechanism for the identification of episodes of care and detailing (if required) the object or entity that the GS1 DataMatrix barcode is printed on.

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 licensing 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 licensing 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 OTHERWISE ARISING OUT OF THIS DOCUMENT. GS1 disclaims all liability for any damages arising from use or misuse of this document, 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.



2.5.3 Service Relation Instance Number: AI (8019)

A service provider or a service recipient can be identified with a Global Service Relation Number (GSRN), using AI (8017) and (8018) respectively. If the service provider or recipient identification needs to, optionally, be made more granular with a sequence indicator corresponding to each encounter during the service relationship, attribute data in the form of a Service Relation Instance Number (SRIN AI (8019), see section [3.2](#)), may be added.

For example, when a GSRN is encoded to a data carrier and applied to a patient wristband to identify the patient as a recipient of care, each SRIN linked to the patient's GSRN can correspond to a specific instance or encounter within an episode of care for that patient. For treatments which may require multiple instances of care and a record to be captured for each instance, such as for chemotherapies, the SRIN linked to the GSRN may be used. Furthermore, when a product or service is administered (e.g., a particular treatment is given) it can easily be associated with the patient and the corresponding instance of care, by scanning the Global Trade Item Number (GTIN) of the product or service, then associating it to the patient's GSRN and the related SRIN, as well as the caregiver's GSRN.

! **Important:** Prior to the development of the Version Control Number (VCN) AI (7242), the SRIN could also be optionally used with a GSRN as a sequence indicator for version control purposes. Use of the SRIN in this manner is only possible when there are no other requirements to further qualify and identify a specific instance of service. For new version control requirements, the VCN SHALL be used instead of the SRIN (see section [3.8.24](#)).

2.5.4 Supporting the verification or validation of a subject of care (patient)

Application description

The Global Service Relation Number (GSRN) AI (8018) and additional attributes as detailed in Section 2.5.4 can be used to support the verification and validation of the subject of care (patient) through various allowed application identifier combinations. Additional application identifier combinations can also provide a mechanism to determine the various episodes of care provided during the course of treatment.

! **Important Patient Privacy Note:** As GS1 does not allocate a globally unique identifier for patients and no patient data is stored and maintained by GS1, patient identification and privacy responsibility SHALL remain with the organisation delivering the care and identifying the relationship between its care providers and patients.

GS1 key

Required

GSRN

The GS1 Application Identifiers to indicate:

Global Service Relation Number (GSRN) AI (8018) for Subject of Care Identity Validation, see section [3.2](#)

Rules

All GSRN rules described in section [4.6](#)

Attributes

Required

Not applicable

Optional

Subject of Care Identity Validation

AI (8019) Service Relation Instance Number, section [3.2](#)



- [AI \(7241\) AIDC media type, section 3.2](#)
- [AI \(7242\) Version Control Number, section 3.2](#)
- [AI \(7250\) Date of birth, section 3.2](#)
- [AI \(7251\) Date and time of birth, section 3.2](#)
- [AI \(7252\) Biological sex, section 3.2](#)
- [AI \(7253\) Family name of person, section 3.2](#)
- [AI \(7254\) Given name of person, section 3.2](#)
- [AI \(7255\) Name suffix of person, section 3.2](#)
- [AI \(7256\) Full name of person, section 3.2](#)
- [AI \(7257\) Address of person, section 3.2](#)
- [AI \(7258\) Baby birth sequence indicator, section 3.2](#)
- [AI \(7259\) Baby of family name, section 3.2](#)

Rules

[Not applicable](#)

Data carrier specification

Carrier choices

[The data carrier choice for this application is:](#)

- [GS1 DataMatrix](#)

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

[See section 5.12.3.11, GS1 symbol specification table 11](#)

Symbol placement

[No standard placement is required.](#)

Unique application processing requirements

[For a description of processing requirements, see section 7.](#)

2.5.42.5.5 Use of demographic data to support verification or validation of personal identity

Application description

The use of demographic information is an additional mechanism to support the validation and verification of both the subject of care (patient) and provider of care (caregiver) in a consistent way. When used alongside both the Global Service Relation Number (GSRN) and optionally the Service Relation Instance Number (SRIN) as well this information provides greater surety of identity. Demographic information refers to all non-clinical data about a subject of care (patient) or provider of care (caregiver), including: family name, given name, date of birth, address, biological sex and more.

Subject of care (patient) and provider of care (caregiver) demographic data is typically stored in Electronic Health Record (EHR), Electronic Medical Record (EMR) or Electronic Patient Record (EPR) systems within a hospital healthcare environment.



Important Patient Privacy Note: As GS1 does not allocate a globally unique identifier for patients and no patient or caregiver data is stored and maintained by GS1, patient and