

Application Standard Identification of Components and Parts in the Rail Industry

List of DO's and DONT's

	Dos	Don'ts
1	Accept both GTIN and GIAI as valid GS1 identification keys for rail parts and components.	(do not) Enforce the use of one of the keys (GTIN or GIAI), instead of supporting both.
2	Use the GTIN as non-significant identifier that is linked to the internal article number in your system	(do not) Give GTINs a "meaning" beyond being a pure identifier (do not) Try to "squeeze-in"/pack in your internal article number into the GTIN, introduce logic such as classifying elements
3	Use the GIAI as a non-significant identifier that is linked to the internal article number in your system Note: Any exceptions to this practice should be documented in official GS1 guidelines. An example is embedding the European Rail Vehicle Number (EVN) in the GIAI of a rail vehicle, as defined in the GS1 in Europe Rail Guideline.	(do not) Give GIAI a "meaning" beyond being a pure identifier (do not) Introduce logic such as classifying elements.
4	Accept company prefixes as they are, the GS1 identification system ensures that all allocated GTINs and GIAIs will be unique across different suppliers.	(do not) Enforce your GS1 Company Prefix to be used by your suppliers
5	Limit the information marked in the GS1 DataMatrix symbol or on an EPC/RFID tag on the MRO object to the minimum necessary (data such as serial number, batch/lot, expiry date, date of production). Use a database for the additional information	(do not) Encode any extra information in the GS1 DataMatrix symbol or on an EPC/RFID tag that could be stored in a database and may change over time. (do not) Mark additional company specific identifiers on the MRO object.
6	Keep the serial number in a SGTIN (GTIN + serial number) <u>as short as possible</u> in order to overcome current limitations of some ERP systems.	(do not) Issue serial numbers that are longer than absolutely necessary.
7	Exclusively use officially approved GS1 Application Identifiers in the barcode and on EPC/RFID tags.	(do not) Mix or require mixing ANSI Data Identifiers (DIs) and GS1 Application Identifiers (AIs) in the same barcode, to avoid scanning errors.

