



Version:

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EPC Code syntax Norway

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1 Introduction

The EPC Tag Data Standard defines the Electronic Product Code™, and also specifies the memory contents of Gen 2 RFID Tags. In more detail, the Tag Data Standard covers two broad areas:

- The specification of the Electronic Product Code, including its representation at various levels of the EPCglobal Architecture and its correspondence to GS1 keys and other existing codes.
- The specification of data that is carried on Gen 2 RFID tags, including the EPC, “user memory” data, control information, and tag manufacture information.

2 GIAI-96 Global Individual Asset Identifier

The Global Individual Asset Identifier EPC scheme GIAI 96 is used to assign a unique identity to a specific asset. Only numeric values are allowed.

EPC-coding GIAI-96	Value (decimal)	Comment
Header Value	52	Number for GIAI-96
Filter Value	0	Fixed = 0
Partition	3, 5 or 6	3 = GS1 Company Prefix 7 numbers and 16 numbers in Asset ref. 5 = GS1 Company Prefix 5 numbers and 18 numbers in Asset ref. 6 = GS1 Company Prefix 4 numbers and 19 numbers in Asset ref. Country prefix 70 as starting number
Company Prefix	N..7	GS1 Company Prefix 4, 5 or 7 numbers
Asset Reference	N..11	Dependent of GS1 Company Prefix. 16,18 or 19 numbers
<i>Example :</i>	<i>70NNNNN123456789012345678</i>	<i>(NNNNN = GS1 Company Prefix)</i>

3 GIAI-202 Global Individual Asset Identifier

The Global Individual Asset Identifier EPC scheme GIAI 202 is used to assign a unique identity to a specific asset. Alphanumeric values are allowed in the serial number.

EPC-coding GIAI-202	Value (decimal)	Comments
Header Value	56	Number for GIAI-202
Filter Value	0	Fixed = 0
Partition	3, 5 or 6	3 = GS1 Company Prefix 7 numbers and 21 characters in Asset ref. 5 = GS1 Company Prefix 5 numbers and 23 characters in Asset ref. 6 = GS1 Company Prefix 4 numbers and 24 characters in Asset ref. Country prefix 70 as starting number
Company Prefix	N..7	GS1 Company Prefix 4, 5 or 7 numbers
Asset reference	A..24	Dependent of GS1 Company Prefix. 21-24 Alphanumeric values
<i>Example :</i>	<i>70NNNNN12345678901234567890ABC</i>	<i>(NNNNN = GS1 Company Prefix.)</i>