

**ISO RFID Emblem
generic version 1**



... complemented with two text lines
for the future use as
European RFID Sign.

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**ISO RFID Emblem
specific version 2 inverse**



... with the code "B3" (one of more than
50 codes as shown in the table below).
"B3" indicates these properties of the
related RFID tagged object:

860 – 960 MHz,
ISO 18000 63,
data structure ISO 17365,
license plate ID plus
optional application data.

AIM, the industry association recognized as the worldwide authority on automatic identification and mobility, has been appointed by the International Organization of Standards (ISO) as the registration authority for the **RFID Emblem**. The Emblem was designed and submitted to ISO by AIM's RFID Experts Group (REG). The standard was reviewed, enhanced and adopted as **ISO/IEC 29160 Information technology -- Radio frequency identification for item management -- RFID Emblem** in May 2012. All graphics can be used in normal or inverted colour.

The EU recommendation on RFID and data protection of 12 May 2009 claims the introduction of a "Common European RFID Sign". According to the global reach of supply chains, where RFID tags or transponders are used on objects like products and transport items AIM recommended that this RFID Sign should be based on the globally accepted ISO standard for the ISO RFID Emblem.

The standard for the European RFID Sign was developed at CEN. It will expose the ISO Emblem and two additional text lines as shown in the picture:

Line 1: Operator of the RFID application

Line 2: The hotline address as telephone no. or URL

This sign could be used as a small version on readers, products or cartons or as a bigger version at the walls of areas where RFID readers are used, e.g. near cashier desks in supermarkets or department stores or next to RFID portals at hubs of distribution centres.

There are two versions of the ISO RFID Emblem according to the ISO Standard. AIM proposes only the generic version for usage in the European Sign:

Version 1 (generic):

Emblem with the acronym RFID indicating the generic use of RFID where further specifications are not relevant:

Version 2 (specific):

Emblem with a two digit alphanumeric code inside which points to specifications such as frequency, air interface and coding structure according to the table below.

The ISO RFID Emblem is also recommended by the German Automobile Manufacturers Association VDA 5520 for usage with the RFID vehicle distribution label.

The code table, the graphics and further information is available here: www.rfidemblem.eu

To order the official document ISO29160 – RFID Emblem, please download this form: www.aimglobal.org/technologies/rfid/RFIDEmblem.asp

See next page for the ISO RFID Emblem code table.

The ISO/IEC 29160 RFID Emblem

Two character code assignments for the specific RFID Emblem for global use which are part of ISO/IEC 29160. All graphics can be used in normal or inverted colour.

	2-Character Printed Code	Transponder Frequency	Air Interface Protocol	Data Structure Defining Agency	Data Structure
1.	RFID	Mutually agreed	Mutually agreed	Mutually agreed	Indicates transponders and readers/encoders
2.	A*	433 MHz	ISO 18000-7	ISO JWG	Indicates compatible readers/encoders
3.	A0	433 MHz	ISO 18000-7	(RFU)	Reserved for future use
4.	A1	433 MHz	ISO 18000-7	ISO 17363	License plate ID plus optional application data
5.	A2	433 MHz	ISO 18000-7	(RFU)	Reserved for future use
6.	A3	433 MHz	ISO 18000-7	(RFU)	Reserved for future use
7.	Not Listed	433 MHz	OTHER APPLICATION AND AIR INTERFACE NOT LISTED		
8.	B*	860-960 MHz	ISO 18000-63	ISO JWG	Indicates compatible readers/encoders
9.	B0	860-960 MHz	ISO 18000-63	(RFU)	Reserved for future use
10.	B1	860-960 MHz	ISO 18000-63	ISO 17364	License plate ID plus optional application data
11.	B2	860-960 MHz	ISO 18000-63	(RFU)	Reserved for future use
12.	B3	860-960 MHz	ISO 18000-63	ISO 17365	License plate ID plus optional application data
13.	B4	860-960 MHz	ISO 18000-63	(RFU)	Reserved for future use
14.	B5	860-960 MHz	ISO 18000-63	ISO 17366	License plate ID plus optional application data
15.	B6	860-960 MHz	ISO 18000-63	(RFU)	Reserved for future use
16.	B7	860-960 MHz	ISO 18000-63	ISO 17367	License plate ID plus optional application data
17.	B8	860-960 MHz	ISO 18000-63	ISO 17363	License plate ID plus optional application data
18.	Not Listed	860-960 MHz	OTHER APPLICATION AND AIR INTERFACE NOT LISTED		
19.	E*	860-960 MHz	ISO 18000-63	EPCglobal †	Indicates compatible readers/encoders
20.	E0	860-960 MHz	ISO 18000-63	EPCglobal †	GID General Identifier
21.	E1	860-960 MHz	ISO 18000-63	EPCglobal †	SGTIN Serialized GTIN
22.	E2	860-960 MHz	ISO 18000-63	EPCglobal †	SSCC Serial Shipping Container Code
23.	E3	860-960 MHz	ISO 18000-63	EPCglobal †	SGLN Serialized Global Location Number
24.	E4	860-960 MHz	ISO 18000-63	EPCglobal †	GRAI Global Returnable Asset Identifier
25.	E5	860-960 MHz	ISO 18000-63	EPCglobal †	GIAI Global Individual Asset Identifier
26.	E6	860-960 MHz	ISO 18000-63	EPCglobal †	Reserved for future use
27.	E7	860-960 MHz	ISO 18000-63	EPCglobal †	Reserved for future use
28.	Not Listed	860-960 MHz	OTHER APPLICATION AND AIR INTERFACE NOT LISTED		
29.	H*	13.56 MHz	18000-3 M3	ISO JWG	Indicates compatible readers/encoders
30.	H0	13.56 MHz	18000-3 M3	ISO 17364	License plate ID plus optional application data
31.	H1	13.56 MHz	18000-3 M3	ISO 17365	License plate ID plus optional application data
32.	H2	13.56 MHz	18000-3 M3	ISO 17366	License plate ID plus optional application data
33.	H3	13.56 MHz	18000-3 M3	ISO 17367	License plate ID plus optional application data
34.	Not Listed	13.56 MHz	OTHER APPLICATION AND AIR INTERFACE NOT LISTED		
35.	L*	<135 kHz	ISO 18000-2	ISO JWG	Indicates compatible readers/encoders
36.	L0	<135 kHz	ISO 18000-2	ISO 17364	License plate identification only
37.	L1	<135 kHz	ISO 18000-2	(RFU)	Reserved for future use
38.	L2	<135 kHz	ISO 18000-2	ISO 17367	License plate identification only
39.	L3	<135 kHz	ISO 18000-2	(RFU)	Reserved for future use
40.	Not Listed	<135 kHz	OTHER APPLICATION AND AIR INTERFACE NOT LISTED		
41.	M*	860-960 MHz	ISO 18000-63	US DoD	Indicates compatible readers/encoders
42.	M0	860-960 MHz	ISO 18000-63	(RFU)	Reserved for future use
43.	M1	860-960 MHz	ISO 18000-63	US DoD	CAGE plus serial number
44.	M2	860-960 MHz	ISO 18000-63	(RFU)	Reserved for future use
45.	N*	13.56 MHz	ISO 14443-2,3,4	ISO 7816-5	Indicates compatible readers/encoders
46.	N0	13.56 MHz	ISO 14443-2,3,4	ISO 7816-5	Application Specific
47.	N1	13.56 MHz	ISO 14443-2 Type A	ISO 7816-5	Application Specific
48.	N2	13.56 MHz	ISO 14443-2 Type B	ISO 7816-5	Application Specific
49.	P*	13.56 MHz	ISO 15693	ISO 7816-5	Indicates compatible readers/encoders
50.	P0	13.56 MHz	ISO 15693-2	ISO 7816-5	Application Specific
51.	Not Listed	OTHER FREQUENCY, APPLICATION AND AIR INTERFACE NOT LISTED			
52.	RFID	Special Case: For tags and readers with unregistered tag frequency/protocol/authority/data content or where this data is not considered relevant.			

† See EPC™ Tag Data Standards Version 1.3

Note: All assignments not otherwise indicated are reserved for future use. Please refer to the following homepage for the complete list of current assignments, downloadable graphics and further information: www.rfidemblem.eu

Contact: Peter Altes, Managing Director, AIM-D e.V.
Richard-Weber-Str. 29 - 68623 Lampertheim / Germany
T: +49 6206 131 77 - F: +49 6206 131 73
E: info@aim-d.de - www.AIM-D.de