

SVENSK STANDARD

SS-EN ISO 14816:2005/A1:2019



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Vägtrafikinformatik – Automatisk identifiering av fordon och utrustning – Numrering och datastruktur – Tillägg 1 (ISO 14816:2005/Amd 1:2019)

**Road transport and traffic telematics – Automatic vehicle and
equipment identification – Numbering and data structure –
Amendment 1 (ISO 14816:2005/Amd 1:2019)**

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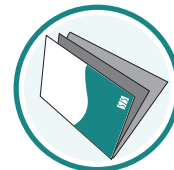
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The European Standard EN ISO 14816:2005/A1:2019 has the status of a Swedish Standard. This document contains the official version of EN ISO 14816:2005/A1:2019.

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Denna standard är framtagen av kommittén för Vägtrafikinformatik, SIS/TK 255.

Har du synpunkter på innehållet i den här standarden, vill du delta i ett kommande revideringsarbete eller vara med och ta fram andra standarder inom området? Gå in på www.sis.se - där hittar du mer information.

EUROPEAN STANDARD

EN ISO 14816/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2019

ICS 35.240.60

English Version

**Road transport and traffic telematics - Automatic vehicle
and equipment identification - Numbering and data
structure - Amendment 1 (ISO 14816:2005/Amd 1:2019)**

Télématique du transport routier et de la
circulation routière - Identification automatique
des véhicules et des équipements - Codification
et structure des données - Amendement
1 (ISO 14816:2005/Amd 1:2019)

Telematik für den Straßenverkehr und Transport
- Automatische Identifikation von Fahrzeugen und
Geräten - Nummerierungs- und Datenstrukturen
- Nachtrag 1 (ISO 14816:2005/Amd 1:2019)

This amendment A1 modifies the European Standard EN ISO 14816:2005; it was approved by CEN on 24 April 2019.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This amendment exists in three official versions (English, French, German).

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN ISO 14816:2005/A1:2019) has been prepared by Technical Committee ISO/TC 204 "Intelligent transport systems" in collaboration with Technical Committee CEN/TC 278 "Intelligent transport systems" the secretariat of which is held by NEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by November 2019, and conflicting national standards shall be withdrawn at the latest by November 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 14816:2005/Amd 1:2019 has been approved by CEN as EN ISO 14816:2005/A1:2019 without any modification.

Road transport and traffic telematics — Automatic vehicle and equipment identification — Numbering and data structure AMENDMENT 1

Page v, Introduction

Delete

"...to read ANNEX C before reading the main body of this International Standard. Readers are also advised..."

in first paragraph after bullet list.

Page 1, Scope 1.1

Delete

", ISO/IEC 8825-1 and ISO/IEC 8825-2..."

in fourth paragraph.

Page 2, Normative references

Delete

ISO/IEC 8825-1, *Information technology — ASN.1 encoding rules — Part 1: Specification of Basic Encoding Rules (BER), Canonical Encoding Rules (CER) and Distinguished Encoding Rules (DER)*

Page 2, Normative references

Move

ISO/IEC 8825-2, *Information technology — ASN.1 encoding rules — Part 2: Specification of Packed Encoding Rules (PER)*

to Bibliography.

Page 4, 4.2

Delete

", ISO/IEC 8825-1, ISO/IEC 8825-2 and ISO/IEC 8825-3..."

in paragraph before last paragraph.

Page 4, 4.2

Delete last sentence in last paragraph.

"(See examples in Annex C.) "

SS-EN ISO 14816:2005/A1:2019 (E)

Page 4, 4.3

Delete

", ISO/IEC 8825-1, ISO/IEC 8825-2 and ISO/IEC 8825-3..."

Page 4, 4.4

Replace first sentence in last paragraph

"The examples given in the remainder of this International Standard assume the use of ASN.1 PER."

by the sentence

"The examples given in the remainder of this document assume the use of ASN.1 PER unaligned."

Page 4, 4.4

Delete last sentence.

"See Annex C for implementation examples."

Page 5, 4.6

In the second sentence delete.

" ...and Annex C."

Page 5

Replace Table 2 by the following one.

Table 2 — Minumum size of data elements

CSI	Length	Coding Structure Data Field			
1	7 Octets / 56 bits	Country Code		Issuer Identifier	Service Number
		10		14	32
2	6 Octets / 48 bits	Manufacturer Identifier			Service Number
		16			32
3	22 Octets / 176 bits	Start Time	Stop Time	Geographic Limit	Application Limit
		80	80	8	8
4	Variable	Country Code		Alphabet Indicator	Licence Plate Number
		10		6	Not defined
5	17 Octets / 136 bits	Vehicle Identification (Chassis) Number			fill
		127			9
6	0	Reserved for CEN/ISO			
		Not defined			
7	12 Octets / 96 bits	Freight Container Numbering			
		96			

CSI	Length	Coding Structure Data Field		
		8	N + 2 Octets	fill
		6	10	N * 8

Page 6, NOTE 1

Add the following sentence at the end of NOTE 1.

"The symbol N refers to the number of characters in the abstract data structure, as defined by the application."

Page 6

Below NOTE 2 add the following NOTE 3.

NOTE 3 The term "fill" indicates bit fields used to achieve octet alignment. The bits are set to '0'b.

Page 6, 4.7.2.1

Delete the last paragraph.

"Operators who wish to provide additional data fields, of read only or read/write nature, can do so by adding additional ASN.1 identifier sets as described in Annex C."

Page 6, 4.7.2.2.2

Replace the last sentence

"For value assignment, please refer to: <https://www.itsstandards.eu/14816-register>."

by

"See Annex C for examples."

Page 7

Delete 4.8.2.1.

Page 7, 4.8.2.2.1

Replace content of 4.8.2.2.1 by

```
CS2 ::= SEQUENCE {
    manufacturerIdentifier ManufacturerIdentifier,
    serviceNumber          ServiceNumber
}
```

Page 7

Change clause numbering

4.8.2.2 to 4.8.2.1