INTERNATIONAL STANDARD

ISO
14816

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

AMENDMENT 1

Télématique du transport routier et de la circulation routière — Identification automatique des véhicules et des équipements — Codification et structure des données

AMENDEMENT 1

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ISO 14816:2005/Amd 1:2019
https://standards.iteh.ai/catalog/standards/sist/ccd47ebb-1d9f-4ade-958e-
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This document was prepared by Technical Committee ISO/TC 204, *Intelligent transport systems*.

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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.) "

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 /	Vehicle Identification (Chassis) Number		fill	

CSI	Length	Coding Structure Data Field		
	136 bits	127		9
6	0	Reserved for CEN/ISO		
		Not defined		
7	12 Octets /	Freight Container Numbering		
	96 bits	96		
8	N + 2 Octets	fill	Country Code	Tax Code
		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.

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Page 6, 4.7.2.1

Delete the last paragraph.

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"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

3

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

Page 7

Change clause numbering

4.8.2.2 to 4.8.2.1

4.8.2.2.1 to 4.8.2.2

4.8.2.2.2 to 4.8.3

4.8.2.2.3 to 4.8.4

Page 8

Delete 4.9.2.1.

Page 8, 4.9.2.2.2.

Replace first and second line by

```
StartTime::= AviEriDateTime
AviEriDateTime::= OCTET STRING (SIZE (10)) - -YYMMDDhhmm
```

The format is YYMMDDhhmm encoded according to ISO/IEC 8859-1.

Page 8, 4.9.2.3

Replace first and second line by

```
StopTime::= AviEriDateTime
```

The format is YYMMDDhhmm.

Page 8

Change clause numbering

4.9.2.1.1 to 4.9.2.1

4.9.2.2.2 to 4.9.2.2

Page 9, 4.9.2.3.1

Replace definition of `GeoGraphicalLimit`

by:

```
GeoGraphicalLimit::= BIT STRING {
   globalRestriction          (0),
   regionalRestriction        (1),
   nationalRestriction        (2),
   district                   (3),
   issuerCoverageRestriction  (4),
   reservedForCEN1            (5),
   reservedForCEN2            (6),
   issuerSpecificRestriction  (7)
   } (SIZE(8))
```

Page 9, 4.9.2.3.2

Replace definition of ServiceApplicationLimit

by:

```
ServiceApplicationLimit::= BIT STRING {
   notForPostpayment          (0),
   notForPrepayment           (1),
   notForVehicleaccess        (2),
   notForFleetcontrol         (3),
   issuerSpecificRestriction1 (4),
   issuerSpecificRestriction2 (5),
   issuerSpecificRestriction3 (6),
   issuerSpecificRestriction4 (7)
   } (SIZE(8))
```

Page 9, 4.9.2.3.2

Delete the NOTE.

Page 9

Change clause numbering

   4.9.2.3.1 to 4.9.2.4

   4.9.2.3.2 to 4.9.2.5

Page 10

Delete 4.10.2.1.

Page 10, 4.10.2.2.1

Replace definition of CS4 by