

DIN EN 15722:2015-08 (E)

Intelligent transport systems - ESafety - ECall minimum set of data

Contents		Page
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Symbols and abbreviated terms	7
5	Conformance	7
6	Requirements	7
6.1	Concepts and formats	7
6.1.1	MSD data concepts	7
6.1.2	Representation of MSD data concepts	8
6.1.3	Different versions of MSD data	8
6.1.4	Distribution of MSD data	8
6.1.5	Additional data	9
6.2	ISO Object identifier	9
6.3	of the 'Minimum Set of Data' (MSD)	10
6.3.1	General	10
6.3.2	Basic contents of MSD version 2	10
6.3.3	Previous versions of MSD message	15
6.3.4	Future versions of MSD message	15
Annex A (normative) ASN.1 definition of MSD		16
A.1	ASN.1 definition of MSD	16
A.2	Syntax check of ASN.1 definition of MSD	21
A.3	Examples of ASN.1 encoded MSD	21
Annex B (informative) ASN.1 Data representation PER and BER explained		23
B.1	What is ASN.1	23
B.2	Encoding data using ASN.1	23
B.2.1	General	23
B.2.2	Basic Encoding Rules (BER)	24
B.2.3	Distinguished Encoding Rules (DER)	24
B.2.4	Packed Encoding Rules (PER/UPER)	24
B.2.5	XML Encoding Rules (XER)	25
B.3	Examples	25
B.3.1	General	25
B.3.2	ASN.1 example definition	25
B.3.3	Encoding using BER or DER	25
B.3.4	Encoding using PER	26
B.3.5	Encoding using XER and E-XER	26
Annex C (informative) Formal XML format description (XSD) for the MSD		28

Annex D (informative) Explanation of rationale for MSD data concept elements	33
Annex E (informative) Object Identifiers (OID)	35
E.1 Formal definition of OID	35
E.2 What is an object identifier?	35
E.3 Object Identifiers and ISO standards	35
E.4 OID for eCall data concepts	35
Bibliography	36