ISO 22837:2009-01 (E)

Vehicle probe data for wide area communications

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Conformance 2

3 Normative references 3

4 Terms and definitions 3

5 Reference architecture 4
5.1 General 4
5.2 Reference architecture for probe vehicle systems 4
5.3 Reference architecture for probe data (information model) 6

6 Basic data framework 7
6.1 General 7
6.2 Probe data element 7
6.3 Probe messages 8
6.4 Notation 9

7 Core data elements 10
7.1 Concept of core data elements 10
7.2 Timestamp 11
7.3 Locationstamp 11

8 Normative data elements 13
8.1 General 13
8.2 Data elements 13

Annex A (normative) Reference architecture for probe data (information model) for normative data elements 24

Annex B (normative) Core data elements in XML format 31

Annex C (normative) Data elements in XML format 34

Annex D (informative) Examples of probe messages 50

Annex E (informative) Probe processing context model 52

Bibliography 60