ISO 14817:2002-12 (E)

Transport information and control systems - Requirements for an ITS/TICS central Data Registry and ITS/TICS Data Dictionaries

Contents

Page

Foreword v

Introduction vi

0.1 Background vi
0.2 Document overview vii

1 Scope 1

2 Conformance 1
2.1 Conformance considerations 1
2.2 Strictly conforming implementations 2
2.3 Conforming implementations 2

3 Normative references 2

4 Terms and definitions 2

5 Symbols and abbreviated terms 5

6 Concept of operation 6
6.1 Summary 6
6.2 Framework 7
6.3 Organizational roles 8
6.4 Registration status levels 10
6.5 Procedures 11
6.6 Version control 12

7 Data concepts 12
7.1 Summary of data concepts 12
7.2 Interface dialogue 14
7.3 Message 14
7.4 Data frame 14
7.5 Object class 14
7.6 Association 14
7.7 Property 15
7.8 Data element concept 15
7.9 Value domain 15
7.10 Data element 15

8 Data concept meta attributes 15
8.1 Basic meta attributes of data concepts 15
8.2 Administrative meta attributes 17

9 Data concept names 18
9.1 Descriptive names 18
9.2 Data concept descriptive name formats 18

10 Meta attribute requirements for ITS/TICS data concepts 19

11 International relationships 19

Annex A (informative) ITS/TICS functional operating procedures 21

Annex B (normative) Contents of the ITS/TICS Data Registry and ITS/TICS Data Dictionaries: Meta attribute definitions 37

Annex C (normative) Contents of the ITS/TICS Data Registry and ITS/TICS Data Dictionaries: Meta attribute requirements for data concepts 51

Annex D (normative) Data concept names 60

Annex E (informative) Data representation in an information model 66

Annex F (informative) ASN.1 information object specification for an ITS/TICS data concept 75

Bibliography 91