ISO 15764:2004-08 (E)

Road vehicles - Extended data link security

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Symbols and abbreviated terms 5
4.1 General 5
4.2 Notation used in the message sequence specified in Clause 6 5

5 Secured data link configuration 6
5.1 General 6
5.2 Architecture 6
5.3 Protection 7
5.4 Audit trail 10

6 Message content 10
6.1 General 10
6.2 Message sequence 11
6.3 Security parameters 16
6.4 Exception detection and exception response 17

7 Element description 21
7.1 General 21
7.2 Security sub-layer service request parameters 21
7.3 Security sub-layer service indication parameters 25
7.4 Security sub-layer service response parameters 25
7.5 Security sub-layer service confirmation parameters 26
7.6 Secured Data Transmission Parameters 26

8 Examples 32
8.1 Vehicle to remote database 32
8.2 Tachograph example 35
8.3 Closed systems 37

Bibliography 39