ISO 14229-4:2012-12 (E)

Road vehicles - Unified diagnostic services (UDS) - Part 4: Unified diagnostic services on FlexRay implementation (UDSonFR)

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms, definitions and abbreviated terms 1
3.1 Terms and definitions 1
3.2 Abbreviated terms 1

4 Conventions 2

5 Document overview 2

6 Unified diagnostic services implementation on FlexRay 4
6.1 General 4
6.2 UDS on FlexRay services overview 4
6.3 CommunicationControl (0x28) service 5
6.4 ResponseOnEvent (0x86) service 5
6.5 LinkControl (0x87) service 7
6.6 ReadDataByPeriodicIdentifier (0x2A) service 8

7 Application layer requirements 14
7.1 Application layer services 14
7.2 Application layer protocol 14
7.3 Application layer timing 14

8 Presentation layer requirements 14

9 Session layer requirements 14

10 Transport/Network layer interface adaptation 14
10.1 General information 14
10.2 DoFR Transport/Network layer interface adaptation 14

11 Data Link layer diagnostic implementation requirements 15

Bibliography 16