ISO 26021-4:2009-05 (E)

Road vehicles - End-of-life activation of on-board pyrotechnic devices - Part 4: Additional communication line with bidirectional communication

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions, abbreviated terms 1
3.1 Terms and definitions 1
3.2 Abbreviated terms 2

4 Conventions 2

5 Pyrotechnic device deployment via on-board diagnostic architecture 2
5.1 Vehicle system description 2
5.2 Example of in-vehicle hardware and software provision 3
5.3 Additional communication line 3

6 ACL with bidirectional specification (Hardware description) 4
6.1 Connection to the vehicle 4
6.2 Physical layer 4

7 Deployment process with ACL and bidirectional communication 5
7.1 Deployment process - overview 5
7.2 Data link layer 5
7.3 ACL step 1 - request deployment sequence 7
7.4 ACL step 2 - deployment confirmation sequence 9
7.5 ACL step 3 - deployment terminfation sequence 9
7.6 Summary of data byte format transmitted during ACL steps 1, 2 and 3 10

Bibliography 11