

ISO 26021-2:2008-07 (E)

Road vehicles - End-of-life activation of on-board pyrotechnic devices - Part 2: Communication requirements

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Symbols and abbreviated terms	2
5	Conventions	3
6	Pyrotechnic device deployment via on-board diagnostic architecture	3
6.1	Vehicle system description	3
6.2	Example of in-vehicle hardware and software required	4
6.3	Additional communication line (optional)	5
6.4	Requirements for the PDT	5
7	Relationship to existing standards	6
7.1	General	6
7.2	Application layer	6
7.3	Session layer	6
7.4	Application layer and diagnostic session management timing	6
7.5	Network layer	7
7.6	Data link layer	7
7.7	Data link layer	9
7.8	Physical layer	9
8	Deployment process	9
8.1	General information	9
8.2	System preconditions	9
8.3	Initiation of the communication between PDT and PCU	10
8.4	Deployment process description	11
8.5	Software provisions	19
8.6	Error handling and reaction	20
9	Communication with diagnostic services	21
9.1	Unified diagnostic services overview	21
9.2	Diagnostic session control (10 hex) service	21
9.3	EcuReset (11 hex) service	22
9.4	Read data by identifier (22 hex) service	22
9.5	Write data by identifier (2E hex) service	29
9.6	Security access (27 hex) service	30
9.7	RoutineControl (31 hex) service	31
9.8	TesterPresent (3E hex) service	35
Annex A (normative)	Specification of the data identifier used	36
Annex B (normative)	Deployment loop parameter definitions	41

Annex C (normative) Routine control parameter definitions	47
Bibliography	49