

Road vehicles — End-of-life activation of on-board pyrotechnic devices —

Part 1: General information and use case definitions

ICS 43.040.80

National foreword

This British Standard is the UK implementation of ISO 26021-1:2008.

The UK participation in its preparation was entrusted to Technical Committee AUE/16, Electrical and electronic equipment.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 June 2008

© BSI 2008

ISBN 978 0 580 56887 9

Amendments/corrigenda issued since publication

Date	Comments

INTERNATIONAL STANDARD

ISO
26021-1

First edition
2008-05-15

Road vehicles — End-of-life activation of on-board pyrotechnic devices —

Part 1: General information and use case definitions

*Véhicules routiers — Activation de fin de vie des dispositifs
pyrotechniques embarqués —*

Partie 1: Informations générales et définitions de cas d'usage



Reference number
ISO 26021-1:2008(E)

AVA Documents
Document Sharing Hub

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 Document overview	3
7 Use case descriptions	3
7.1 Overview	3
7.2 End-of-life activation of on-board pyrotechnic devices — Use cases	4
7.2.1 Use case summary	4
7.2.2 Use case 1: Information about standard communication	4
7.2.3 Use case 2: Information about use of the ACL as a data communication line	5
7.2.4 Use case 3: Information about use of the ACL as a signal wire	5
8 Airbag deployment via on-board diagnostic architecture.....	5
8.1 Configuration	5
8.2 Example of a basic configuration	6
8.3 Additional communication line	7
8.3.1 Example of a hardware configuration with an ACL.....	7
8.3.2 Use of the ACL as a bidirectional communication line.....	7
8.3.3 Use of the ACL for pulse width modulated signals.....	7
Bibliography	8

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 26021-1 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 3, *Electrical and electronic equipment*.

ISO 26021 consists of the following parts, under the general title *Road vehicles — End-of-life activation of on-board pyrotechnic devices*:

- *Part 1: General information and use case definitions*
- *Part 2: Communication requirements*
- *Part 3: Tool requirements*
- *Part 4: Additional communication line with bidirectional communication*
- *Part 5: Additional communication line with pulse width modulated signal*

NOTE Additional parts will be introduced as necessary to take into account requirements not yet covered by the standard.