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**Road vehicles — Traffic accident  
analysis —**

**Part 1:  
Vocabulary**

**Véhicules routiers — Analyse  
des accidents de la circulation —  
Partie 1:  
Vocabulaire**

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## 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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 36, *Safety and impact testing*.

This second edition cancels and replaces the first edition (ISO 12353-1:2002), which has been technically revised.

The main changes compared to the previous edition are as follows:

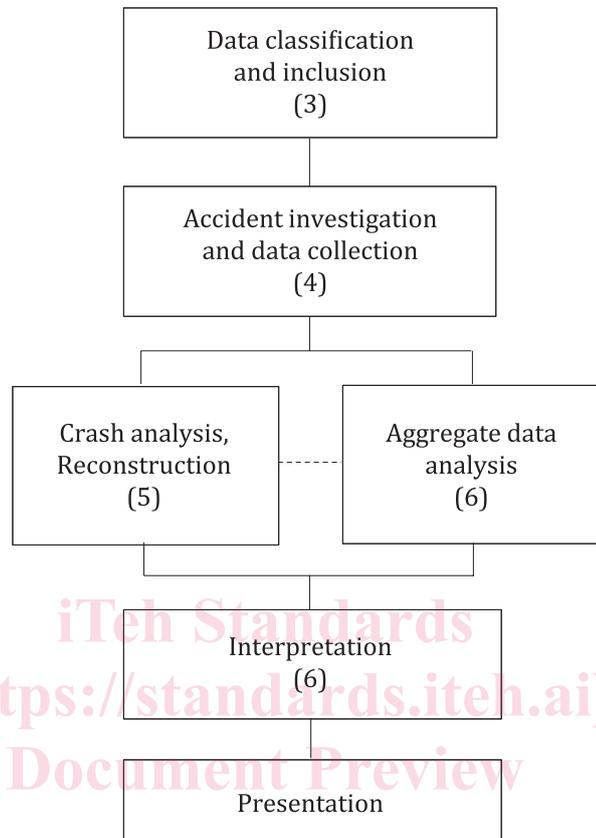
- Revision of the following terms and/or definitions: 3.8, 3.13, 3.14, 4.1, 4.2.5, 4.2.20, 4.2.21, 4.2.21.1, 4.2.21.3, 4.2.21.3.1, 4.3.1, 4.3.7, 4.3.14.5, 4.3.16, 4.3.18, 4.3.22 (old deleted), 4.3.23, 5.1, 5.2, 5.5, 5.16, 5.18, 5.22.2, 5.26, 5.27, 5.28, 5.31, 5.34, and 5.40.1;
- [Table A.1](#);
- Removal of A.3;
- Redrawn figures, and;
- Added references in Bibliography.

A list of all parts in the ISO 12353 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

## Introduction

The various clauses of this document are based on a model of the accident analysis process as outlined in [Figure 1](#).



NOTE The numbers in parentheses correspond to clauses in this document.  
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**Figure 1 — Road traffic accident analysis**

# Road vehicles — Traffic accident analysis —

## Part 1: Vocabulary

### 1 Scope

This document establishes a vocabulary relating to the investigation and analysis of road traffic accidents and to the application of accident data.

It also lists other, commonly used terms in the domain.

NOTE Additional terms and definitions, related to configuration aspects of road vehicle collisions, can be found in ISO 6813.

### 2 Normative references

There are no normative references in this document.

### 3 Terms related to classification and inclusion

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

#### 3.1 road vehicle accident

unintended event that involves at least one *road vehicle* (4.3) in motion and leads to personal *injury* (4.4.6) or property damage, or both

#### 3.2 accident classification

classification of *road vehicle accidents* (3.1) according to a predetermined classification system

Note 1 to entry: There is no common and universally useful classification of accident types. Several systems have proven useful in accident research and analysis, for example:

- accident classification by vehicle type,
- accident classification by injury *severity* (4.4.6.2),
- accident classification by damage severity,
- accident classification by number of vehicles,
- accident classification by *first harmful event* (5.26), and
- accident classification by location.

Attention is here drawn to some common terms used for accident classification.

Note 2 to entry: See 5.26 for definition of first harmful event.

- 3.3 injury accident**  
*road vehicle accident* (3.1) in which at least one *road user* (4.4) sustains an *injury* (4.4.6)
- 3.3.1 fatal accident**  
*injury accident* (3.3) in which at least one *road user* (4.4) sustains a fatal *injury* (4.4.6)
- 3.4 damage-only accident**  
**property damage accident**  
*road vehicle accident* (3.1) in which the only outcome is damage to vehicles, or other property, with no *injury* (4.4.6)
- 3.5 on-road accident**  
*road vehicle accident* (3.1) in which the *first harmful event* (5.26) occurs on the road
- 3.6 off-road accident**  
*road vehicle accident* (3.1) in which the *first harmful event* (5.26) occurs off the road
- 3.7 towaway accident**  
*road vehicle accident* (3.1) in which at least one vehicle is removed from the scene for reasons of vehicle damage
- 3.8 single-vehicle accident**  
*road vehicle accident* (3.1) in which only one vehicle is involved
- 3.9 multi-vehicle accident**  
*road vehicle accident* (3.1) in which more than one vehicle is involved
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- 3.10 accident-involved vehicle**  
vehicle involved in a *road vehicle accident* (3.1)
- 3.11 injury vehicle**  
*accident-involved vehicle* (3.10) in (or on) which at least one vehicle occupant sustains an *injury* (4.4.6)
- 3.11.1 fatal vehicle**  
*injury vehicle* (3.11) in (or on) which at least one vehicle occupant sustains a fatal *injury* (4.4.6)
- 3.12 non-injury vehicle**  
*accident-involved vehicle* (3.10) in (or on) which no vehicle occupant sustains an *injury* (4.4.6)
- 3.12.1 non-fatal vehicle**  
*accident-involved vehicle* (3.10) in (or on) which no vehicle occupant sustains a fatal *injury* (4.4.6)
- 3.13 damaged vehicle**  
vehicle involved sustaining damage