

Technical Report

ISO/TR 8234

First edition

2025-12

Road vehicles — Pre-crash classification systems

Véhicules routiers — Systèmes de classification pré-collision

iTeh Standards (https://standards.iteh.ai) Document Preview

ISO/TR 8234-2025

https://standards.iteh.ai/catalog/standards/iso/91417cae-a65e-4a9f-b126-d19449741d93/iso-tr-8234-2025

iTeh Standards (https://standards.iteh.ai) Document Preview

<u>ISO/TR 8234:2025</u>

https://standards.iteh.ai/catalog/standards/iso/91417cae-a65e-4a9f-b126-d19449741d93/iso-tr-8234-2025



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office CP 401 • Ch. de Blandonnet 8 CH-1214 Vernier, Geneva Phone: +41 22 749 01 11 Email: copyright@iso.org Website: www.iso.org

Published in Switzerland

ISO/TR 8234:2025(en)

Contents			Page	
Fore	word		v	
Intr	oductio	n	vi	
1	Scope	e	1	
2	Norn	native references	1	
3	Terms, definitions and abbreviated terms			
	3.1	Terms and definitions		
	3.2	Abbreviated terms	2	
4	Pre-crash scenarios			
	4.1	Focus of the system		
	4.2 4.3	Data basisCreation method		
	4.4	Levels of abstraction and data layers according to the 6-layer model		
	4.5	Intended use		
5	Conflict situation system (Sweden)			
	5.1	Focus of the system	5	
	5.2	Data basis		
	5.3 5.4	Creation methodLevels of abstraction and data layers according to the 6-layer model		
	5.5	Intended use		
6	Accident classification system for passenger cars (Japan)			
•	6.1	Focus of the system	7	
	6.2	Data basis	7	
	6.3	Creation method Ins. / Standards iteh ai)	7	
	6.4 6.5	Levels of abstraction and data layers according to the 6-layer model	88	
7		Intended use		
	7.1	lent configurations and situations classification system (France) Focus of the system	 ຂ	
		7.1.1 General <u>ISO/TR 8234:2025</u>	8	
		7.1.2 tel Accident configurations system ac-a65e-4a9f-b126-d19449741d93/iso	-tr-8234-202 9	
	7.0	7.1.3 Accident situations system		
	7.2 7.3	Data basis Creation method	11	
	7.3 7.4	Levels of abstraction and data layers according to the 6-layer model		
	7.5	Intended use		
8	Pre-c	crash scenario typology (United States of America)	12	
	8.1	Focus of the system	12	
	8.2	Data basis		
	8.3 8.4	Creation methodLevels of abstraction and data layers according to the 6-layer model		
	8.5	Intended use		
9	Accident classification (Japan)			
	9.1	Focus of the system		
10	9.2	Data basis	15	
	9.3	Creation method		
	9.4 9.5	Levels of abstraction and data layers according to the 6-layer model Intended use		
10	10.1	lent-type classification (Germany) Focus of the system		
	10.1	Data basis		
	10.3	Creation method		
		10 3 1 General	17	

ISO/TR 8234:2025(en)

	10.3.2 Parking and shunting accidents	18	
	10.4 Levels of abstraction and data layers according to the 6-layer model	18	
	10.5 Intended use	18	
	10.5.1 General		
	10.5.2 Example: RASSI accident typology		
	10.5.3 Example: MUSE ^[18] project classification system		
	10.5.4 Example: EVADE project classification system	19	
11	Pre-crash classification system (China)		
	11.1 Focus of the system		
	11.2 Data basis	19	
	11.3 Creation method		
	11.4 Levels of abstraction and data layers according to the 6-layer model		
	11.5 Intended use	21	
12	CATS classification system		
	12.1 Focus of the system		
	12.2 Data basis		
	12.3 Creation method		
	12.4 Levels of abstraction and data layers according to the 6-layer model		
	12.5 Intended use	23	
13	Accident classification (Europe)	23	
	13.1 Focus of the system	23	
	13.2 Data basis		
	13.3 Creation method	24	
	13.4 Levels of abstraction and data layers according to the 6-layer model	24	
	13.5 Intended use	24	
14	Legacy classification systems and related projects	24	
15	Conclusion (https://standards.iteh.ai)	25	
Bibliography			
	Document Freview	_	

<u>1SO/TR 8234:2025</u>

https://standards.iteh.ai/catalog/standards/iso/91417cae-a65e-4a9f-b126-d19449741d93/iso-tr-8234-2025

ISO/TR 8234:2025(en)

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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

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.

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

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.

ISO/TR 8234-2025

https://standards.iteh.ai/catalog/standards/iso/91417cae-a65e-4a9f-b126-d19449741d93/iso-tr-8234-2025