



BSI Standards Publication

## **Industrial trucks — Safety requirements and verification**

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Part 8: Regional requirements for countries outside the European Community

## National foreword

This Published Document is the UK implementation of ISO/TS 3691-8:2019. It supersedes PD ISO/TS 3691-8:2012, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee MHE/7, Industrial trucks.

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.

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## **Industrial trucks — Safety requirements and verification —**

### **Part 8: Regional requirements for countries outside the European Community**

*Chariots de manutention — Exigences de sécurité et vérification —*

*Partie 8: Exigences régionales pour les pays en dehors de la  
Communauté européenne*



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Ch. de Blandonnet 8 • CP 401  
CH-1214 Vernier, Geneva, Switzerland  
Tel. +41 22 749 01 11  
Fax +41 22 749 09 47  
[copyright@iso.org](mailto:copyright@iso.org)  
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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 110, *Industrial trucks*, Subcommittee SC 2, *Safety of powered industrial trucks*.

It is intended to be used in conjunction with ISO 3691-1, ISO 3691-2, ISO 3691-3, ISO 3691-4 and ISO 3691-6.

This second edition cancels and replaces the first edition (ISO/TS 3691-8:2012), which has been technically revised.

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

- changes to the Australian requirements in relation to electrical requirements, fork arms, operator restraints, electromagnetic compatibility, platforms equipped with fall protection, lift chains, fork arms, platforms, operator protection and noise emission;
- changes to the North American requirements in relation to fork arms.

A list of all parts in the ISO 3691 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 ISO 3691 series has been developed to provide globally relevant International Standards for industrial trucks. This goal was achieved with most of the issues. Where divergent regional requirements remain, these are addressed by this document and by ISO/TS 3691-7.

ISO/TS 3691-7 addresses the legal requirements related to European Directives which could not be accepted worldwide. ISO/TS 3691-8 addresses requirements related to regulations in force in other countries that are not applicable elsewhere.

This document does not repeat all the technical rules which are state-of-the-art and are applicable to the material used to construct the industrial truck. For these, see ISO 12100.

# Industrial trucks — Safety requirements and verification —

## Part 8: Regional requirements for countries outside the European Community

### 1 Scope

This document gives regional requirements for specific countries outside the European Community (EC) and European Economic Area (EEA) for the types of industrial trucks specified in the scopes of ISO 3691-1, ISO 3691-2, ISO 3691-3, ISO 3691-4 and ISO 3691-6.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2330, *Fork-lift trucks — Fork arms — Technical characteristics and testing*

ISO 3691-1:2011, *Industrial trucks — Safety requirements and verification — Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks*

ISO 3691-2, *Industrial trucks — Safety requirements and verification — Part 2: Self-propelled variable-reach trucks*

ISO 3691-3, *Industrial trucks — Safety requirements and verification — Part 3: Additional requirements for trucks with elevating operator position and trucks specifically designed to travel with elevated loads*

ISO 3691-4,<sup>1)</sup> *Industrial trucks — Safety requirements and verification — Part 4: Driverless industrial trucks and their systems*

ISO 3691-6, *Industrial trucks — Safety requirements and verification — Part 6: Burden and personnel carriers*

ISO 5053-1, *Industrial trucks — Terminology and classification — Types of industrial trucks*

ISO 20898, *Industrial trucks — Electrical requirements*

ICES-002, *Vehicles, Boats and Other Devices Propelled by an Internal Combustion Engine, Electrical Means or Both*

ANSI/ITSDF B56 (all parts), *Safety Standard for Low Lift and High Lift Trucks*

ANSI/NFPA 505, *Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Maintenance, and Operation*

AS 2359-2, *Industrial trucks — Operation*

AS 4983, *Gas fuel systems for forklifts and industrial engines*

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1) Under preparation. (Stage at the time of publication: ISO/DIS 3691-4:2018.)