

ISO TC 110/SC 2

ISO 3691-3:2016/~~DA~~FDAM 1

~~:2022-01-21(E)~~

2022-09

ISOTC 110/SC 2/WG2

Secretariat: SIS

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 — Amendment 1

Chariots de manutention — Exigences de sécurité et vérification — Partie 3: Exigences complémentaires pour chariots avec poste de conduite éleuable et pour chariots spécialement conçus pour une conduite avec des charges en élévation — Amendement 1

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO 3691-3:2016/Amd 1

<https://standards.iteh.ai/catalog/standards/sist/27e978d8-f87a-4303-b786-8e899fb6ab2d/iso-3691-3-2016-amd-1>

© ISO 2022

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

iTeh STANDARD PREVIEW (standards.iteh.ai)

ISO 3691-3:2016/Amd 1

<https://standards.iteh.ai/catalog/standards/sist/27e978d8-f87a-4303-b786-8e899fb6ab2d/iso-3691-3-2016-amd-1>

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).

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).

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. <https://standards.iteh.ai/catalog/standards/sist/27e978d8-f87a-4303-b786-888888888888/iso-3691-3-2016/amd-1>

This document was prepared by Technical Committee ISO/TC 110, *Industrial trucks*, Subcommittee SC 2, *Safety of powered industrial trucks*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 150, *Industrial Trucks - Safety*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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.

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 — Amendment 1

Clause 1

-

Scope

Replace reference to “ISO/TS 3691-7” with reference to “EN 16307-3”.

Clause 2

-

Normative references

Replace “ISO 6292:2008” with “ISO 6292:2020”.

~~Add dated reference~~ and “ISO 5053” ~~to 1:2015~~ with “ISO 5053-1:2020”.

-

Clause 3

3.2

Replace ~~the~~ term entry [3.2](#) with the following:

3.2

elevating operator position

normal operating position on the operator’s platform as defined by the manufacturer which can be elevated more than 1 200 mm from the ground to the floor of the platform measured with the truck unladen

Note 1 to entry: Area where the operator is positioned (standing or sitting) for operating the truck, e.g. travel, lift/lower.

3.8

fall prevention system

Replace ~~the preferred~~ term “~~fall prevention system~~” in term entry [3.8](#) with “~~personal~~ ~~the following:~~ fall protection system”.

Add the following new term entry [at the end of Clause 3](#):

3.11

defined walking surface

load-carrying surface for the operator to temporarily step on (e.g. pallet) to facilitate efficient handling of load

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO 3691-3:2016/Amd 1

<https://standards.iteh.ai/catalog/standards/sist/27e978d8-f87a-4303-b786-8e899fb6ab2d/iso-3691-3-2016-amd-1>

4.3.1

Replace the whole subclause with the following:

For operations without guidance systems, the braking performance shall ~~comply with~~conform to ISO 6292:2020, Table 2 or 3, group C.

Braking when travelling at more than 9 km/h ~~is~~can be subject to regional requirements, additional to the requirements of this ~~part of ISO 3691 document~~. See EN 16307-3.

-

4.4.5.1

Replace the first paragraph with the following:

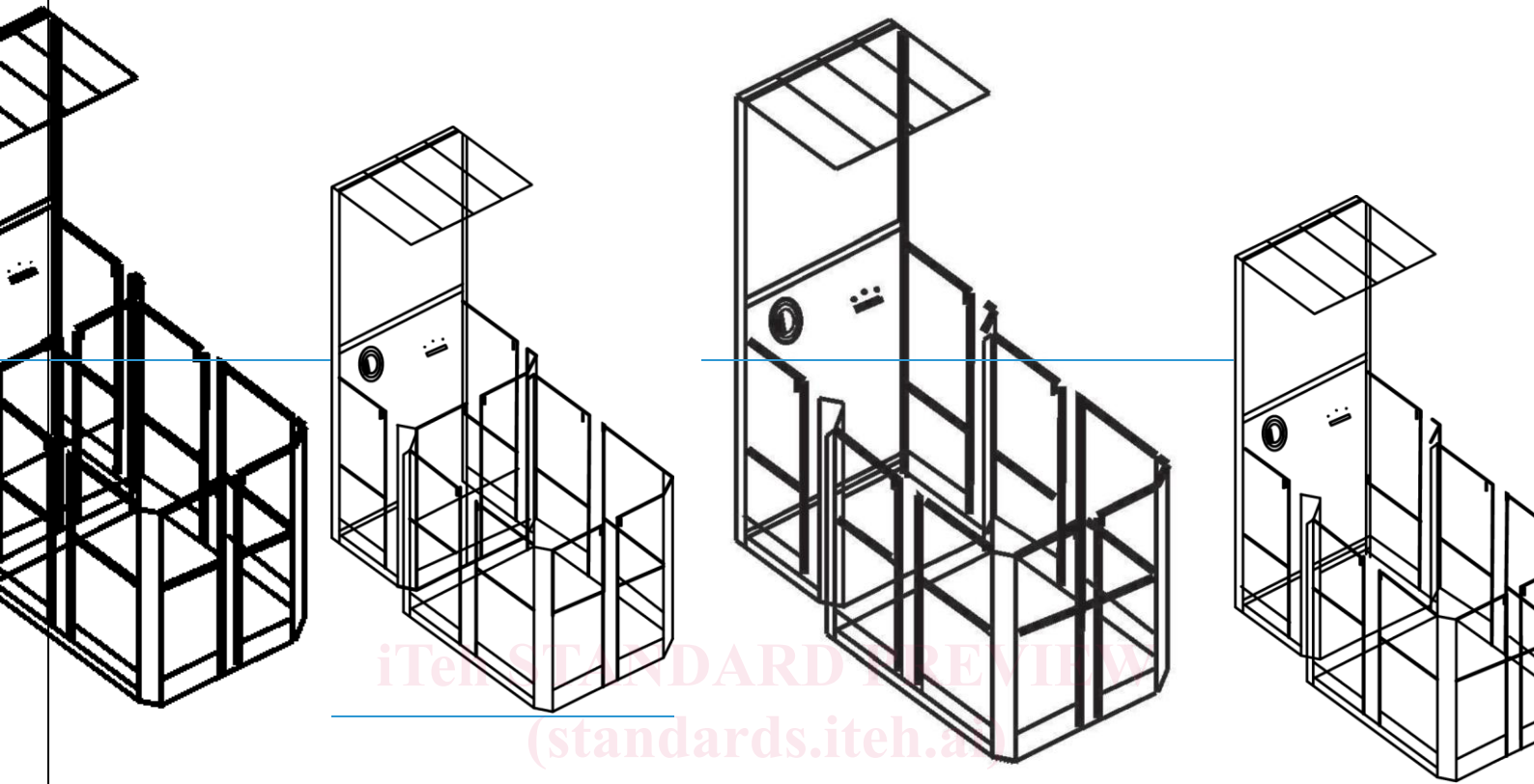
Elevated operator's platforms with a lift height of more than 1 200 mm from the ground and fixed operator's stand-on platforms located at heights of more than 1 200 mm shall be equipped with mechanical guards on all sides (e.g. guard rails, access gates).

Replace the second sentence in the second paragraph with the following:

~~This~~The means shall be capable of withstanding without permanent deformation a force of 900 N applied in a vertical downwards direction and a force of 900 N applied in a horizontal direction from the inside to the outside, at their location(s) of least strength, and shall not be capable of being opened outwards.

Replace reference "ISO/TS 3691-7" with reference "EN 16307-3".

Replace Figure 3 with the following Figure ~~3a 3 a)~~ and ~~3b 3 b)~~:



a) Without supplementary platform interlock

b) With supplementary platform interlock

Figure 3—Supplementary platform (schematic only)

Replace Figure 4 with the following Figure 4a) and 4b):

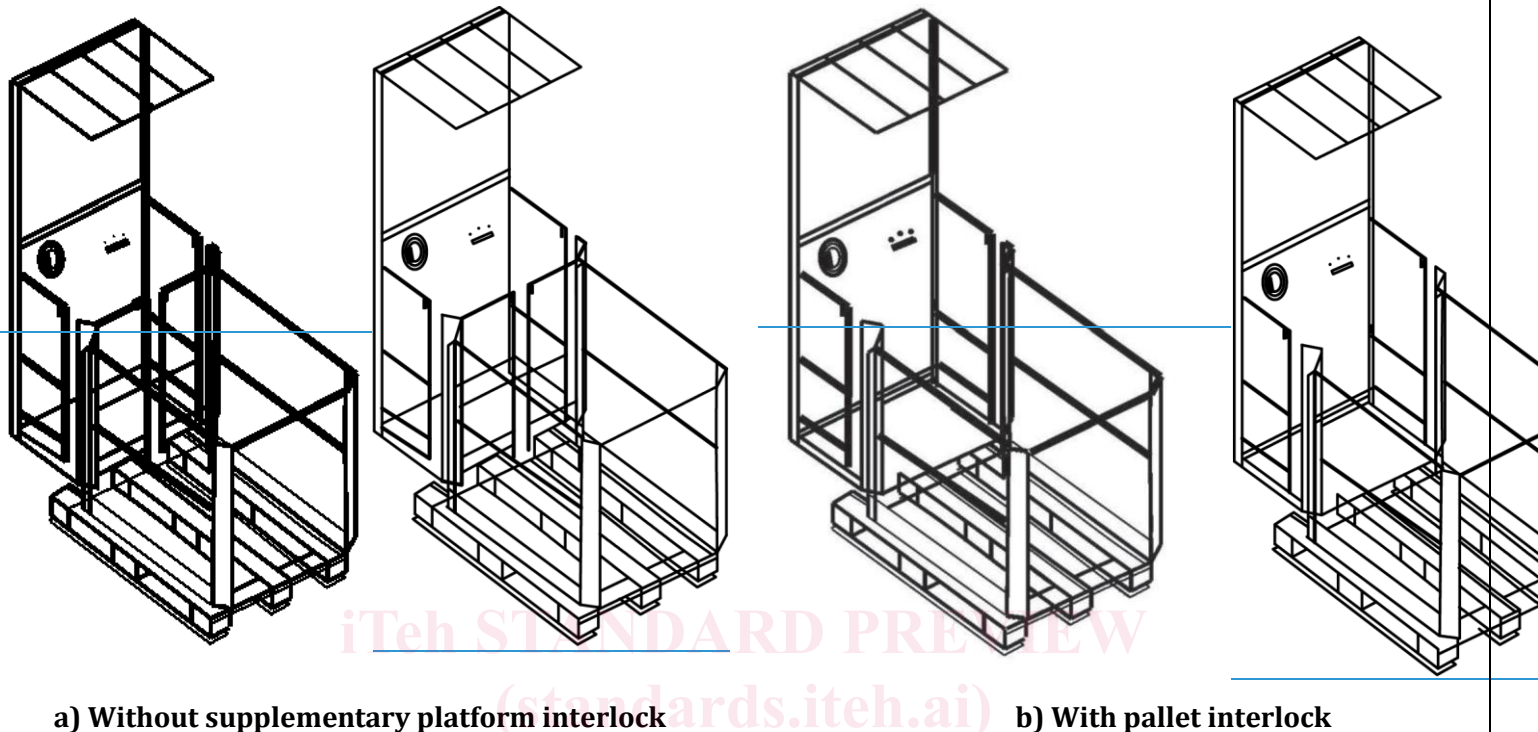


Figure 4 — Supplementary platform with defined walking surface (pallet) (schematic only).

4.4.5.2

Replace the second paragraph with:

Interlocking gates are not required if a personal fall protection system according to 4.4.5.5 is used.

4.4.5.3

Replace the first paragraph with:

The whole surface accessible to personnel shall be protected against falling according to 4.4.5.1. If an extended or an interlocked supplementary platform as shown in Figures 2 and 3(b) is provided, it shall fulfil the requirements of 4.4.5.1 and 4.4.5.2 and shall be extended to encompass the whole area accessible to the operator and assistant if an assistant is permitted by design. Where a supplementary platform interlock is fitted, and the platform (see figure 3b) Figure 3 b)) is not detected, elevating shall be disabled above 1 200 mm.

If no supplementary platform is in place, a mechanical guard as specified in 4.4.5.1 and 4.4.5.2 shall be in place between the operator's platform and the load-handling device (see Figure 1)).

If the supplementary platform is in place but not interlocked, a fall protection as specified in 4.4.5.1 and 4.4.5.2 shall be in place between the operator's platform and the supplementary platform (see Figure 3a)- 3 a)).

Supplementary platforms shall have elevating, lowering and travel disabled when any gate is opened and the height reaches, or is greater than, 1_200_mm.

In the last paragraph, replace

“fall protection device” with “personal fall protection system”.

~~and~~In the last paragraph, replace “ISO/TS 3691-7” with “EN 16307-3”.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO 3691-3:2016/Amd 1

<https://standards.iteh.ai/catalog/standards/sist/27e978d8-f87a-4303-b786-8e899fb6ab2d/iso-3691-3-2016-amd-1>