

# INTERNATIONAL STANDARD

# ISO 11161

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**AMENDMENT 1**  
2010-03-01

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## Safety of machinery — Integrated manufacturing systems — Basic requirements —

### AMENDMENT 1

*Sécurité des machines — Systèmes de fabrication intégrés —  
Prescriptions fondamentales —*

*AMENDEMENT 1*



Reference number  
ISO 11161:2007/Amd.1:2010(E)

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## Foreword

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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.

Amendment 1 to ISO 11161:2007 was prepared by Technical Committee ISO/TC 199, *Safety of machinery*.

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# Safety of machinery — Integrated manufacturing systems — Basic requirements —

## AMENDMENT 1

Conformant with ISO Guide 78<sup>1)</sup>, this Amendment supports regional technical regulations for machinery safety according to the principles of UNECE Recommendation L<sup>2)</sup>. It comprises minor technical changes to the existing International Standard, aimed at ensuring compliance of the current edition of ISO 11161 with the relevant Essential Requirements of New Approach Directive 2006/42/EC on machinery, which replaces New Approach Directive 98/37/EC and enters into force on 2009-12-29 without a transition period.

**IMPORTANT — This Amendment does not specify any *technical* change not directly required as consequence of the new European legislation.**

*Page vi, Introduction*

Update the reference to ISO 14121 in the fifth paragraph by replacing it with “ISO 14121-1”.

*Page 1, Normative references*

Add the following:

ISO 12100-2:2003/Amd.1:2009, *Safety of machinery — Basic concepts, general principles for design — Part 2: Technical principles — Amendment 1*

Replace the reference to ISO 14121 with the following:

ISO 14121-1:2007, *Safety of machinery — Risk assessment — Part 1: Principles*

*Page 6, 4.1*

Update the reference to ISO 14121 in the second line by replacing it with “ISO 14121-1”.

*Page 14, 7.1*

Replace in the second sentence of the fifth paragraph “These task zones shall be in a safe condition (e.g. stopped – see also Annex D) while other portions of the IMS continue in automatic operation” with “These task zones shall be in a safe condition (e.g. stopped – see also Annex C) while other portions of the IMS continue in automatic operation”.

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1) ISO Guide 78:2008, *Safety of machinery — Rules for drafting and presentation of safety standards*.

2) United Nations Economic Commission for Europe (UNECE), International Model for Technical Harmonization.

*Page 17, 8.4.1*

Replace in the first sentence “Modes identified in 5.2.3 shall be...” with “Modes identified in 5.1.3 e) shall be...”.

*Page 18, 8.6.1 b)*

Delete in the second sentence “(see Annex D)”.

*Page 18, 8.6.1 c)*

Replace “(e.g. process observation within the safeguarded space with adequate risk reduction)” with “[e.g. process observation within the safeguarded space with adequate risk reduction (see Annex D)]”.

*Page 19, 8.6.2*

Replace in the second paragraph “(see IEC 60204-1:2005, 9.2.5.8)” with “(see IEC 60204-1:2005, 10.9)”.

*Page 23, 9.2*

Replace with the following:

“The IMS shall be marked according to ISO 12100-2:2003, 6.4 and ISO 12100-2:2003/Amd 1:2009”.

*Page 31, Figure C.4*

Replace the title with “Figure C.4 — IMS as in Figure C.2, but access 8 allows entry between zones A and B”.

*Page 35, D.2, i) 4)*

Replace “measures to be taken by the user according to steps 7 and 8;” with “measures to be taken by the user according to steps g) and h);”.



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