

RIA TR R15.506-2014

technical report

*for Industrial Robots and Robot Systems –
Safety Requirements*

Applicability of ANSI/RIA R15.06-2012 for Existing Industrial Robot Applications

Registered with ANSI
July 20, 2014



Robotic Industries Association

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for Industrial Robots and Robot Systems — Safety Requirements —
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Industrial Robot Applications

Secretariat
Robotic Industries Association

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Foreword

The Robotic Industries Association (RIA) has prepared this technical report with the objective of providing clarification as to which version of an industrial robot safety standard applies when a change, repair or relocation of existing equipment built to an earlier version of the standard is necessary.

This technical report is supplemental to ANSI/RIA R15.06-2012. Compliance with industry standards such as ANSI/RIA R15.06-1999 and ANSI/RIA R15.06-2012 is voluntary. RIA makes no determination with respect to whether any robot, associated safety devices, manufacturer, or user is in compliance with published standards.

Publication of this technical report that has been registered with the American National Standards Institute (ANSI) has been approved by the Accredited Standards Developer, Robotic Industries Association. This document is registered as a Technical Report according to the Procedures for the Registration of Technical Reports with ANSI. This document is not an American National Standard and the material contained herein is not normative in nature. Comments on the content of this document should be sent to:

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Applicability of ANSI/RIA R15.06-2012 for Existing Industrial Robot Applications

0 Introduction

This technical report is supplemental to ANSI/RIA R15.06-2012. It provides guidance for the applicability of previous standard versions when an existing industrial robot, robot system, or robot cell is changed. The document is not a standard and the information in the document is informative. The use of the word syntax “should” and “shall” indicate the relative importance of specific criteria or features in this technical report.

For simplicity in reading, reference to Part 1 or Part 2 is reference to ANSI/RIA R15.06-2012, Part 1 or ANSI/RIA R15.06-2012, Part 2, respectively.

1 Scope

ANSI/RIA R15.06-2012 provides forward-looking guidance for industrial robots and industrial robot systems/cells effective at the time of its publication and contains no requirements for change or retrofit to industrial robots and industrial robot systems/cells that were designed and installed when an earlier version of the industrial robot safety standard, such as ANSI/RIA R15.06-1999, was in effect.

This technical report provides guidance as to which version of the standard applies when a change, repair or relocation of existing equipment built to an earlier version of the standard is necessary.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute requirements of this technical report.

ANSI/RIA R15.06-2012; *Industrial Robots and Robot Systems – Safety Requirements*

ANSI/RIA R15.06-1999; *Industrial Robots and Robot Systems – Safety Requirements*

3 Definitions and terms

The terms robot, robot system, robot cell, system, cell all refer to industrial robots, industrial robot systems or industrial robot cells.

3.1

Existing robot

Robot manufactured prior to the publication date of ANSI/RIA R15.06-2012, meeting the original equipment manufacturer’s specifications for the model/type according to ANSI/RIA R15.06-1999

NOTE – This includes existing robot(s) not presently installed or in use.