

ANSI-RIA R15.06-2012 Safety Requirements for Industrial Robots and Robot Systems Overview

SICK LifeTime Services Training Course



Description

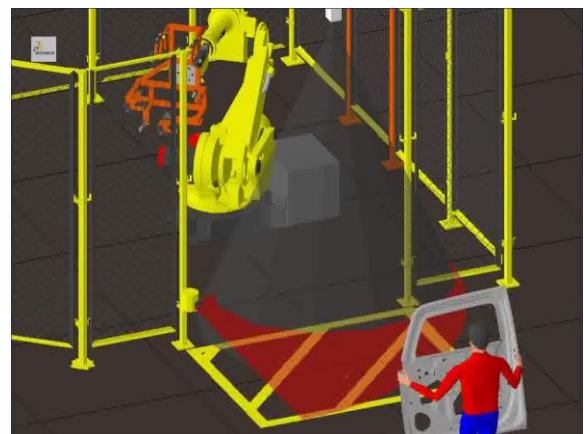
Learn about the recently updated standard ANSI-RIA R15.06 Safety Requirements for Industrial Robots and Robot Systems. The participant will be introduced to the basics of what constitutes an 'industrial robot' and which types of machinery are subject to the standard. The basics of the updated standard will be discussed so that the participant will be aware of how one would interpret if applications are in compliance. The participant will learn the best sources for obtaining the most recent documents. The basics of how to do a proper risk assessment will be introduced.

Objectives

- Define what constitutes an 'industrial robot'
- Introduction to new ANSI-RIA R15.06-2012 and supplementary Technical Reports
- Overview of major highlights introduced in 2012 standard (vs. 1999)
- Document sources
- Investigate Functional Safety
- Review of 'space' definitions and requirements
- Investigate benefits of 'safety-rated soft limits'
- Basics of concept of 'collaborative robots'
- Basics of Robot Risk Assessment

Course Benefits

- Become aware of which applications the robot safety standard applies
- Save time by learning the best sources to obtain needed documents
- Become aware of work cell space by understanding space definitions and restrictions on limits of use
- Become aware how to do a proper robot risk assessment



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Target Audience

Operators, New employees, Maintenance Supervisors, Management

Prerequisites

- None

Recommended Additional Course

- None

Duration

1 Hour

Class Size

Not limited

Where Offered

- Customer site
- SICK North American Training Center
- Online meeting

Format

Presentations, animations and videos

Testing Available

No

Customer Required Materials

None for training at customer site

For virtual training:

Online meeting tool installed (if necessary) prior to attending

Logistics

The following must be made available for the full duration of the training:

- A suitable training room/area for the lecture portion of the training
- A projector with screen for use with a PC

Failure to have the customer required material and/or logistics available may lead to ineffective training and may result in the class not being able to achieve the described objectives and course benefits.

Part Number

1069298

Travel expenses additional. Please contact SICK for information.

SICK Training & Education

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SICK offers several types of training programs to help you learn more about our innovative products and systems. Many of our training modules offer hands-on, real-world application examples and problem-solving experiences. Please visit our website at <http://www.sickusa.com> for more information.