

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

SICK LifeTime Services Training Course



Description

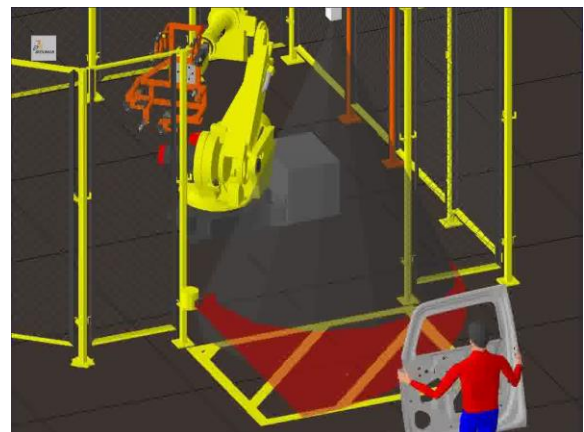
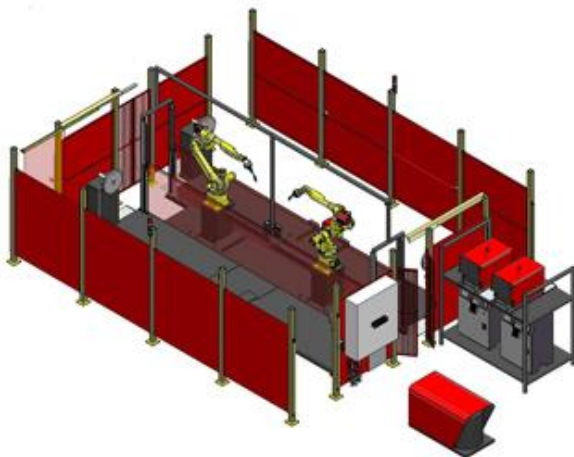
Learn about the recently updated standard ANSI-RIA R15.06 Safety Requirements for Industrial Robots and Robot Systems. The participant will be introduced to what constitutes an 'industrial robot' and which types of machinery are subject to the standard. Shortcomings of the previous version and the improvements to the updated version will be discussed so that you will be able to interpret if applications are still in compliance. The participant will learn the best sources for obtaining the most recent documents. Recommended methods of how to do a proper risk assessment will be introduced. The instructor will share presentations using either an online meeting tool.

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'
- Introduction to concept of 'collaborative robots'
- Robot Risk Assessment

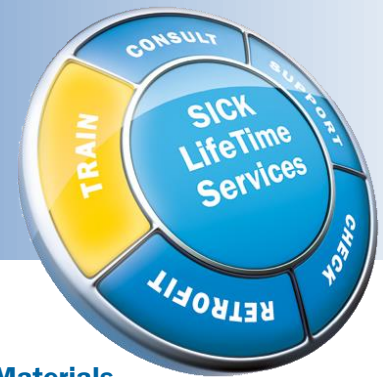
Course Benefits

- Understand for which applications the robot safety standard applies
- Assure compliance by using the latest versions of standard and Technical Reports
- Save time by learning the best sources to obtain needed documents
- Maximize work cell space by understanding space definitions and restrictions on limits of use
- Save time with a 'quickstart' on to how to do a proper robot risk assessment



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Target Audience

Technical Staff, Maintenance Managers, Integrators, Plant Engineers and Safety Committee Members

Prerequisites

- None

Recommended Additional Course

- None

Duration

4 Hours

Class Size

Not limited

Where Offered

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

Format

Presentation, 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

1065478

Travel expenses additional. Please contact SICK for information.

SICK Training & Education

From product training, start-up assistance, and engineering and consulting services — SICK provides the necessary support before and after field installation through an established network of field personnel. Training, service and support programs from SICK help you reach your goals with our innovative, cost-effective solutions.

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.