

Study Guide for Guidelines for Robotics Safety OSHA

Review the following website and answer each question using the material on the website.

[Guidelines For Robotics Safety | Occupational Safety and Health Administration \(osha.gov\)](https://www.osha.gov/SLHC/robotics)

1. The OSHA guidelines reference other safety standards by which group and when were they written?
2. According to these guidelines what are robots?
3. How are robots powered? Is there any difference for Agriculture robots? (Opinion)
4. What is the robot operating window? What are the end effects on a robot?
5. Most commercial robots are set up by the teach-and-repeat technique. What is the current allowable speed for robots during this programming? Why is there a speed limit?
6. Many robotic accidents do not occur under normal operating conditions but rather during programming, adjusting, testing, cleaning, inspection, and repair. What is the best way to avoid these hazards?
7. What are the most common types of accidents involving industrial robots?
8. Give examples of each type of error that could result in a human/robot safety accident.
9. What are the basic robotic safety guarding methods? Please, give an example of each.
10. What are the essential characteristics of robotic control devices?
11. What should be included in good installation, maintenance, and programming practices for robot use?
12. What training is required to work with robots safely?