

NON-IONIZING RADIATION SAFETY (non-clinical)

This program area involves ensuring protection against non-ionizing radiation, such as microwave and laser radiation. This is accomplished by the provision of direction, oversight and coordination of all activities associated with the use of sources of non-ionizing radiation.

Regulations governing Non-Ionizing Radiation at the University of Utah:

1. 29 CFR 1910.132 Personal Protective Equipment: General Requirements
2. 29 CFR 1910.133 Personal Protective Equipment: Eye and Face Protection
3. 29 CFR 1910.97 Occupational Health and Environmental Control: Non-Ionizing Radiation
4. 29 CFR 1926.54 Occupational Health and Environmental Control: Non-Ionizing Radiation (Construction)
5. 28 CFR 1926.102(b)(2) Personal Protective and Lifesaving Equipment: Laser Protection (Construction)

Consensus standards covering non-ionizing radiation:

6. Z136.1-2014 American National Standard for Safe Use of Lasers
7. Z136.2-2012 American National Standard for Safe Use of Optical Fiber Communication Systems Utilizing Laser Diode and LED Sources
8. Z136.3-2011 American National Standard for Safe Use of Lasers in Health Care
9. Z136.4-2010 American National Standard Recommended Practice for Laser Safety Measurements for Hazard Evaluation
10. Z136.5-2009 American National Standard for Safe Use of Lasers in Educational Institutions
11. Z136.6-2005 American National Standard for Safe Use of Lasers Outdoors
12. Z136.7-2008 American National Standard for Testing and Labeling of Laser Protective Equipment
13. Z136.8-2012 American National Standard for Safe Use of Lasers in Research, Development, or Testing
14. Z136.9-2013 American National Standard for Safe Use of Lasers in Manufacturing Environments

Major EHS Responsibilities

Audits/Inspections

Consultations

Risk Assessments

Program Development/Maintenance

Training and Education

Documentation

Relevant Professional Certifications

Board of Laser Safety – Certified Laser Safety Officer