

Idaho National Laboratory

LASERS	Identifier:	RD-2112	
	Revision:	6	
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Subcontractors	Program Requirements Document	eCR Number: 644899
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Manual: INL Subcontractor Manual

Appendix A

1. PURPOSE

This RD establishes the requirements for laser use during subcontractor activities at the INL.

2. SCOPE

The following requirements pertain only to class 1,1M, 2, 2M, 3a lasers and 3R (e.g. laser levels, range finders, survey equipment) and lasers operators involved in all construction subcontracted activities.

3 Requirements

3.1 This RD pertains to laser levelers, laser range finders, laser survey equipment, and laser measuring equipment used at any construction subcontracted work site.

3.2 The subcontractor shall notify the Construction Industrial Hygienist, of the classification of the laser, the power output, and intended use, prior to using the laser at the job site.

Note: The subcontractor supervisor, subcontractor safety officer, and the subcontractor laser operator, shall complete the on-line training course INL1593, Laser Safety for Class 1, 1M, 2, 2M, 3A, and 3R laser, prior to using them at the job site or approved training by the Facility Industrial Hygienist.

3. DEFINITIONS

For definitions of terms used throughout the INL Subcontractor Requirements Manual, refer to LST-359.

4. REFERENCES

29 CFR 1926.54

29 CFR 1926.102 (b) (2)

ANSI Z136.1

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5. APPENDIX

Appendix A, Warning Signs Approved for Class 2, 2M & Certain¹ Class 3A or 3R Lasers
and Laser Systems

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Appendix A

Existing Warning Signs Approved for Class 2, 2M & Certain¹ Class 3A or 3R Lasers and Laser Systems

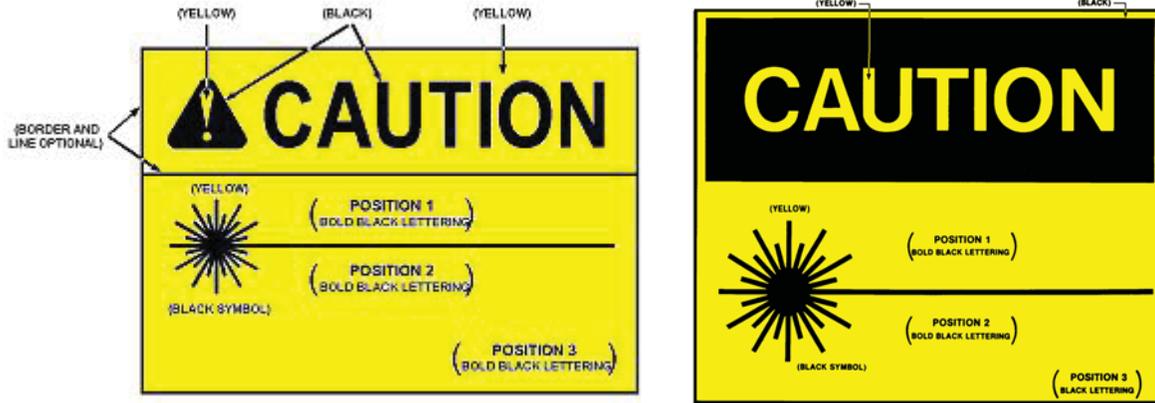


Figure 1. Approved Existing Sign Formats.

Position 1: Special precautionary instructions required such as:

Class 2 “Laser Radiation – Do Not Stare into Beam”

Class 2M, 3A or 3R “Laser Radiation – Do Not Stare into Beam or View Directly with Optical Instruments”

Other applicable special precautionary instructions or protective actions may be included in Position 1 such as “Laser Protective Eyewear Required,” “Invisible Laser Radiation,” “Knock Before Entering,” “Do Not Enter When Light is On,” or “Restricted Area.”

Position 2: Laser Type such as: “Helium-Neon” OR emitted wavelength, pulse duration and maximum output.

Position 3: Laser Classification such as: “Class 2 Laser System”

NOTE: *Posting hazard warning signs is not required in areas where laser pointers and other off-the-shelf consumer products (laser printers, CD players, barcode scanners, radar detectors, etc.) are used, such as classrooms, conference rooms or warehouses.*

¹. Only those Class 3A or Class 3R lasers and laser systems that do not exceed the appropriate MPE for irradiance, based upon a 0.25 second exposure for wavelengths between 400 and 700 nm, **prior** to the implementation date of this procedure.