



Corporate Environmental Health & Safety (EHS) Standard

Laser Safety Data Sheet

Equipment Suppliers are required to complete section 'A' (Manufacturer's name and model), section 'B' in every case, and section 'C' where applicable (when supplier will be doing open beam work at Intel facilities), for all classes of lasers and laser products.

- Intel tool owners or equivalent are required to complete section 'A' in every case and section 'C', where applicable, for Class 3B and Class 4 lasers and all laser products with Class 3B or Class 4 lasers that are embedded within.
- If the equipment has multiple lasers, one form can be submitted with either multiple sections copied below, or a table can be created to cover all of the fields listed below.
- Laser Safety Training (00001540) is required for all Intel tool owners and personnel performing maintenance on Class 3B and Class 4 lasers and tools that are embedded with Class 3B and Class 4 lasers.

A. SYSTEM DESCRIPTION

*DATE:

▪ *Tool Manufacturer (Name & Model)	▪ *Tool ID (Intel ID):
▪ *Laser Manufacturer: (Name & Model)	▪ *Building:
▪ *Tool Location: (Bay, Room, Pole)	▪ Laser Owner:
▪ *Department #:	▪ Phone #:
▪ *Functional Area:	▪ Mail Stop:

B. LASER AND OPERATION SPECIFICATIONS

▪ *Laser Class:	▪ *Laser Product Class (Enclosures in place):	
▪ *Lasing Medium:	▪ *Wavelength(s):	(nm)
▪ *Beam Divergence(s) at aperture (list divergence at both major & minor axes if beam shape is elliptical or rectangular):	▪ *Beam shape: (specify as circular, square, elliptical, or rectangular):	
▪ *Maximum Permissible Exposure (MPE) for eye: (specify as W/cm ² or J/cm ²)	▪ *Beam dimension(s): (list both major & minor axis dimensions if shape is elliptical or rectangular)	(mm)
▪ *Maximum Permissible Exposure (MPE) for skin: (specify as W/cm ² or J/cm ²)	▪ Gaussian criteria for beam profile (specify as 1/e or 1/e ²)	
	▪ *Nominal Hazard Zone (NHZ) (Intrabeam):	(m)

CERTIFICATION/ID

▪ *FDA/CDRH certification label (or equivalent EN) present?
▪ *Identification Label Present (Manufacturer name, Serial #, model)?



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FOR CONTINUOUS WAVE LASERS

FOR LASERS WITH OPTICS

- | | |
|-------------------|---|
| ▪ *Power: (Watts) | ▪ *Lens focal length: (mm) |
| | ▪ *Beam size at lens (mm) |
| | ▪ *Optic compensation (specify none, positive, or negative) |

FOR PULSED LASERS

- | | |
|---|----------------------------|
| ▪ *Pulse Mode (specify single pulse or multiple pulse): | ▪ *Pulse Length: (Seconds) |
| ▪ *Pulse Energy: (Joules) | ▪ *Pulse Power: (Watts) |
| ▪ *Pulse repetition rate (if mode is multiple pulse): (Hertz) | |

*LASER USE DESCRIPTION/APPLICATION

*INTERLOCKS (Describe locations and functions)

C. MAINTENANCE (Description, frequency, hazards, etc.) – all routine and open beam work

- | | |
|--|---|
| ▪ *Will open beam work be performed? By Intel or a supplier? | ▪ *Will Intel employees be present during open beam work? |
| ▪ *Are open beam work procedures documented and available? | ▪ *Has required training been completed? |



PPE/PROTECTIVE EQUIPMENT

▪ *Protective Eyewear Available?	▪ *Optical Density (OD)
▪ *Protective Curtain Available?	▪ *Wavelength(s) (nm)
	▪ *EN-207 L identity (if applicable)
	▪ *Protective Curtain Rating (W/cm ²)

D. COMMENTS/NOTES