



Laser Inventory Form

Background: Per Instruction 6200, all class 3B and 4 lasers shall be tracked in an inventory. This instruction applies to all laboratories at the Laboratory for Laser Energetics.

Purpose: To assess hazard and document laser systems at LLE. The information provided by the Laser Instrument Specialist here shall be used to populate the laser inventory when a laser is delivered before installation.

Procedures: The following forms shall be completed for each individual laser type. Identical laser components may be designated with additional serial numbers for each item. LLE build lasers will be individually issued laser ID #.

Complete the following for Laser Safety Officer Hazard analysis and inclusion in the LLE laser inventory

Laser Instrument Specialist		Date of First Use	
Work Area Supervisor		Group(s)	
System Name		FDR document ID	
Purpose of the Laser:			
Manufacturer (If in-house, then LLE)		Model	

	Manufacturer's Serial #	Property Tag #	Laser Inventory Tag #	Location (Room #)
1				
<i>(Additional Serial Numbers may be designated on the back)</i>				

Lasing Mode	<input type="radio"/> CW <input type="radio"/> Pulsed <input type="radio"/> Pulsed(Q-Switched) <input type="radio"/> Pulsed(Mode-locked)			
	Center Wavelength (nm)			
	λ_1	λ_2^1	λ_3^1	λ_4^1
Wavelength λ_{central}				
λ_{Min} for broadband laser				
λ_{Max} for broadband laser				
Maximum CW Output (W)				
Maximum Pulse Output (J)				
Repetition Rate				
Pulse Width (ns)				
Beam Size² 1/e (cm)				
Beam Divergence³ (radians)				
Manufacturer Laser Class				

¹ When the laser is capable of lasing at other wavelengths, note the primary use wavelength as λ_1 and additional modes as $\lambda_2, \lambda_3, \lambda_4$.

² Important when the beam size is dramatically larger than 1cm in all areas where exposure may occur

³ Occasionally, strongly diverging beams like fiber outputs have reduced hazard based upon distance of viewing



	Manufacturer's Serial #	Property Tag #	Laser Inventory Tag #	Location (Room #)
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				