

School of Physics, University of Exeter
CLASS 1M, 2M, 2 AND 3R LASERS - HAZARD AND RISK
ASSESSMENT



Name of Assessor:		Assessment Number	
System Supervisor:		Date of Assessment:	

Without the use of magnifying optics 1M devices do not pose an eye hazard, neither do 2M or Class 2 devices as long as you do not stare into the beam (eye protection is normally afforded by the aversion responses). An eye hazard is possible if there is: exposure in excess of more than 0.25 seconds from Class 2/2M lasers; exposure to modified Class 1M/2M; or if Class 3R lasers are viewed directly. Risk of eye injury is low. There is no skin or fire hazard.

1	LOCATION AND DESCRIPTION OF WORK

2	LASER SPECIFICATION
Make & Model:	
Maximum Power:	
Wavelength Range:	

3	HAZARDS – NON-OPTICAL and OPTICAL (1M/2M)	
Detail significant risks and control measures necessary for any non-optical hazard identified, and any optical hazard from 1M/2M devices	Hazard/Risk	Control Measure

4	CONROL MEASURES
<p>Avoid eye level and do not expose users or others to the beam. NB Modified 1M/2M devices may need to be reassessed as a higher classified laser.</p>	
	<ul style="list-style-type: none"> <input type="radio"/> Follow the manufacturer's safety instructions. <input type="radio"/> Take care when operating the laser system. <input type="radio"/> Keep the laser 'on' only when necessary. <input type="radio"/> Restrict unauthorised use. <input type="radio"/> Terminate the beam at the end of its useful path.
	<ul style="list-style-type: none"> <input type="radio"/> Do not point at or towards persons deliberately. <input type="radio"/> Do not point at mirrored surfaces that may cause unplanned reflections. <input type="radio"/> Never look into the laser aperture. <input type="radio"/> Never look directly into the beam/beam aperture. <input type="radio"/> Never allow unauthorised use. <input type="radio"/> Do not use direct optical viewing aids.

5	CONTACT DETAILS OF LASER SYSTEM SUPERVISOR		
Name:			
Email Address:		Ext.	