

APPENDIX 4  
ADMINISTRATIVE & PROCEDURAL CONTROL  
MEASURES FOR LASER CLASSES  
(References cited for the control measure are from ANSI Z136.1-2014)

Administrative Control Measure	CLASSIFICATION						
	1	1M	2	2M	3R	3B	4
Standard Operating Procedures (4.4.3.1)	-	-	-	-	-	●	X
Output Emission Limitation (4.4.3.2)	-	-	-	-	LSO Determination		
Education and Training (4.4.3.3)	-	●	●	●	●	X	X
Authorized Personnel (4.4.3.4)	-	-	-	-	-	X	X
Indoor Laser Controlled Area (4.4.3.5)	-	-	-	-	-	X NHZ	X NHZ
Class 4 Laser Controlled Area (4.4.2.9 and 4.4.3.5)	-	-	-	-	-	-	X
Temporary Laser Controlled Area (4.4.3.5)	▼ MPE	▼ MPE	▼ MPE	▼ MPE	▼ MPE	-	-
Controlled Operation (4.4.3.5.2.1)	-	-	-	-	-	-	X
Laser in Navigable Airspace (4.4.3.6.2)	●	●	●	●	●	●	●
Alignment Procedures (4.4.3.6.2)	▼	X	X	X	X	X	X
Spectators (4.4.3.7)	-	○	-	○	-	●	X
Service Personnel (4.4.3.9)	LSO Determination						

- LEGEND:
- X Shall
  - Should
  - ▼ Shall if enclosed Class 3B or Class 4
  - MPE Shall if MPE is exceeded
  - NHZ Nominal Hazard Zone analysis required
  - May apply with use of optical aids