

Laser systems are potentially hazardous to something you value highly: *your vision*. While the dangers of firearms and explosives are obvious, the possibility that a beam of light, can cause *instant, severe and irreversible damage* to vision, may not be obvious.

DAZZLERS

Bullets of Light

Training:

- Appoint a Laser Safety Officer/ NCO in all units using hail and warning lasers and include laser safety in SOP (DA Pam 385-24).
- Laser operators must be trained and know restrictions on use.
- Ensure laser operators know the Nominal Ocular Hazard Distance (NOHD) of the laser they have been issued.
- Handle laser with same care and respect as a loaded weapon.
- Know Rules of Engagement (ROE).
 - *Never intentionally point the laser at someone's face if they are closer than the NOHD.*
 - *Do Not Aim Laser at Reflective Surfaces within the NOHD*
 - *Know restrictions/ROE/Escalation of Force (EOF) procedures.*
- Keep laser clean, dry, remove batteries after mission.
- Properly secure lasers when not in use.
- Do not remove warning labels from laser.
- Never leave an operable laser unattended.
- Check the security of mounting hardware.

Incident Response

- Suspected Laser eye injuries - Immediately evacuate personnel to nearest medical facility (OTSG Policy, 11 April 1994). Laser eye injuries require immediate specialized care.
- Medical personnel should obtain medical guidance for Laser injuries from the Tri-Service Laser Incident Hotline, (800) 473-3549, DSN 240-4784, 210-536-4784 (during non-duty hours call 210-536-3278).
- Submit incident and accident reports through DoD Component channels to the Laser Accident and Incident Registry (LAIR)

Walter Reed Army Institute of Research). These reports do not replace established safety investigation procedures or other Service-specific notification procedures.

Laser Eye Protection (LEP)

- LEP that protects against the green optical spectrum will not provide sufficient visibility at night.
- LEP will not protect from lasers if the lens is scratched.
- The most effective protection is proper training, discipline, and the use of the least hazardous laser.

L a s e r	NOHD (meters) Potential for Eye Injury
GBD III (not for use as a warning device)	2.2 km
GBD III with diffuser	20 m
GBD IIIC (Navy/USMC)	65 m
GHOST	25 m
Mini-Green Model 532-M (Glare MOUT)	30 m
Photonic Disruptor/Green (PD/G)-IO5	215 m
BTG-25 (Z-Bolt)	65 m
BTG-IO (Z-Bolt)	65 m

If you do not have information on the laser system you are currently using, contact USACHPPM Laser/Optical Radiation Protection (LORP) branch for information on the system: DSN 584-3932/2331, Commercial (410) 436-3932/2331

Accident or Incident Immediately call the Tri-Service Hotline 1-800-473-3549/DSN 240-4784



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