



PSO RESPONSIBILITIES

A Overall PSO/APSO Description

- A1. Approved and supported by management;
- A2. Acts as single Point Of Contact (POC) and Subject Matter Expert (SME);
- A3. Assists in the selection of, and cross-training of Alternate Photonics Safety Office (APSO);
- A4. Communicates status of all reviews, evaluations, and suspected exposures to all stakeholders;
- A5. Attends training at least once per year and/or if there are significant changes to ANSI (Z136), IEC/EN (EN60825), FDA/CDRH (21CFR1040.10/11) and NFPA (115);
- A6. Has direct access to management and any/all Photonics Technology (including a copy of all keys) within the unit/company jurisdiction;
- A7. Ensures unit/company is following local, state, federal, and international standards and regulations (reflected in Photonics Safety standard);
- A8. Works with and coordinates all department stakeholders to submit Product Reports, Supplements/Addendums, Family Filings, and Annual Reports, and any other documents required by local, state, national, and international regulations

B Safety Program

- B1. Creates, establishes, and manages unit/company-wide Photonics Safety standard or specification;
- B2. Creates, establishes, and manages unit/company-wide Qualification standard or specification for operators, maintenance, and service technicians;
- B3. Ensures policies and procedures comply with applicable requirements, including international, federal, state, and local regulations

C Classification

- C1. Classifies or verifies classifications of lasers and laser systems used under the PSO/APSO jurisdiction which shall be consistent with classifications listed in ANSI Z136, 21CFR1040, and EN60825

D Hazard Evaluation

- D1. Responsible for hazard evaluation of laser devices, products/systems, and work areas;
- D2. Determines the presence of/level of Non-Beam Hazards (NBH) and Laser Generated Air Contaminants (LGAC) and work with HR/SIH departments to determine best approach to PPE;
- D3. Calculates and/or measures Nominal Hazard Zones (NHZ), Maximum Permissible Exposure (MPE), Nominal Ocular Hazard Distance (NOHD), and Optical Density (OD) for Laser Protective Eyewear (LPE) and shields for personnel, product, and plant;
- D4. Conducts hazard surveys;
- D5. Coordinates optical radiation evaluations for lasers, LEDs, High Intensity Optical Systems (HIOS), and fiberoptics;
- D6. Reviews beam paths and termination for any/all Photonics technologies;
- D7. Conducts hazard assessments (including Job Safety Analysis (JSA)) for corporate and cognizant agency review and disposition

E Controls Measures

- E1. Responsible for assuring that the prescribed control measures are implemented and maintained in effect;
- E2. Recommends or approve substitute or alternative control measures when the primary ones are not feasible or practical

F Procedure Approvals

- F1. Creates, establishes, and manages unit/company-wide Standard Operating Procedures (SOPs);
- F2. Approves other procedures that may be part of the requirements for administrative and procedural controls

G Protective Equipment

- G1. Selects, recommends, and/or approves Protective Personal Equipment (PPE), i.e., Laser Eye Protection (LEP), clothing, barriers, screens, etc. as may be required to assure personnel safety

H Signs and Labels

- H1. Ensures the proper posting of appropriate warning signs and labelling;
- H2. Ensures copies are provided to those who will have access/exposure for review

I Facility and Equipment

- I1. Creates, establishes, and manages unit/company-wide procedures for design and preparation for the installation/commissioning, and decommissioning of Photonics technology;
- I2. Reviews existing facilities containing or supporting Photonics equipment

J Training

- J1. Assures that adequate safety education and training are provided;
- J2. Trains visitors and employees in a Photonics Safety Awareness course;
- J3. Instructs visitors and employees (including Supervisors) on the safe use of Photonics as needed;
- J4. Coordinates the services of a safety training contractor

K Medical Surveillance

- K1. Creates and maintains medical surveillance program with HR/SIH;
- K2. Determines the personnel category for medical surveillance;
- K3. Creates, establishes, manages, and drill to unit/company-wide Emergency Plan- including coordination with unit/company Human Resources (HR), Safety Industrial Health (SIH), and first responders

L Records

- L1. Assures the necessary records required by applicable corporate and government regulations are maintained;
- L2. Creates and maintains inventory of Photonics components, devices, systems, and products

M Audits, Surveys, and Inspections

- M1. Conducts Photonics systems safety and compliance inspection (audits) both via physically (walk-around) and documentation review;
- M2. Supervises operators and maintenance and/or service personnel during safety-related operations and issues;
- M3. Assures protective equipment is audited periodically to assure proper working order;
- M4. Review the wording on area signs and equipment labels

N Accidents

- N1. Reports laser exposures to management and cognizant local, state, and federal agencies;
- N2. Conduct accident investigations with internal and external stakeholders

O Approval of Laser Systems Operations

- O1. Approve, disapprove, suspend, restrict, or stop the use of Photonics technologies deemed not safe and/or compliant