Industrial LSO agenda

DAY 1

I. Introductions
II. ANSI and the Laser Safety Officer
   a. What is ANSI
   b. LSO Responsibilities
III. Basic Concepts
   a. Properties of light
   b. L.A.S.E.R.
   c. Components of a laser
   d. Production of laser light
IV. Beam Hazards
   a. Bioeffects
      i. eye
      ii. skin
      iii. overview of hazard analysis, MPE, NHZ, OD
V. Laser Accident History
   a. Statistics/databases
   b. When they happen
   c. Review of several accidents case histories
   d. Accident response, what to do
VI. Laser Regulations & Consensus Standards
   a. ANSI
   b. FDA
   c. IEC
   d. OSHA and others

DAY 2

VII. Non-beam
    a. Biological
    b. Chemical
    c. Physical
    d. Human factors
VIII. Control Measures
    a. Engineering
    b. Administrative
       i. Examples
       ii. Special attention to laser eyewear
    III. Examples
IX. Laser Safety Program Administration
    a. How to start a program
       i. LSO tools
    b. Policy
    c. Procedures
       i. Standard Operating Procedures
    d. Operations
       i. Inventory
       ii. Audits
       iii. Training
       iv. Laser Safety Committee
    e. Medical Surveillance