

Meeting 2/22/07 SRC Subcommittee on Laser Safety

Agenda:

- (1) update on approval of Pub 3000 Ch 16 by SRC (Ken)
- (2) discussion of laser safety protocols to supplement Pub 3000, Ch 16. (Ken)
- (3) present status of AHD template revision and Light Hazard Table (Larry, Ken)
- (4) training requirements and consistency between Pub 3000 (CH 16) and division ISM plans

Minutes

- (1) Ken Barat reported that the SRC has approved the re-written Pub 3000, Ch 16 on laser safety
- (2) Ken Barat discussed the Laser Safety Protocols. These protocols serve two purposes:
 - (i) clarify LBNL laser safety policy in areas not addressed by the ANSI standard, or in areas where the ANSI standard provides significant latitude.
 - (ii) document any LBNL laser safety policies that deviate from the ANSI recommendation.

Six protocols are written. One important protocol (yet to be written) will establish acceptable output powers for alignment lasers at LBNL.

The committee agreed on the following procedures for evaluating, approving, and documenting these protocols:

- (i) Protocols will be presented to the Laser Safety Committee for their evaluation and recommendation.
 - (ii) Recommended protocols will be sent to the SRC Chair, who will determine if full SRC approval is required in order to adopt a specific protocol as part of Pub3000.
 - (iii) All approved protocols will be referenced in Pub 3000 – as part of the appendix to Pub3000, and as a link to the Laser Safety website, where the protocols will be posted.
- (3) The AHD template has been revised. The present spreadsheet for the Light Hazard table has been replaced with an MSWord template that will be attached to the AHD as a separate file. This table will be filled out by both the laser users and by the LSO (for MPE calculations, required eyewear OD, etc.) It was suggested to include another table for eyewear. The LSO thought that this was unnecessary, and that the laser users should be responsible for insuring that the proper OD eyewear is available in the laser area.

(4) Unresolved ISM plans are a Division issue, and it is up to the various divisions if they want to implement requirements that exceed those specified in Pub3000

(5) One final item was briefly discussed, the issue of providing laser user access to the ANSI standard and to various laser safety calculators, e.g. for laser classification, or for eyewear OD requirements. One suggestion was to investigate the possibility of getting an electronic license for the ANSI standard, and for a suitable laser safety calculator. If the cost is prohibitive, we may need to settle for copying the relevant table from ANSI and distributing them to users.