

# Minutes (approved 2017-01-29)

## ASC-OP/TF7 – Laser Applications

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Tuesday, December 20, 2016 1:00 PM EST  
Teleconference

### Attendees

REO, Trey Turner	Quantel USA, Jason Yager
Spica Technologies, Michael Thomas, TF7 Leader	NIST Boulder, Paul Williams
Northrop Grumman, Donna Howland	Triptar, Allen Krisiloff

Quorum achieved: 6 voting members present out of 11 total (6 required to meet 50% rule)

### Called to Order at 1:05 pm EST

Michael T., Facilitator. Allen K., Recording Secretary.

### Adoption of the Agenda

Jason Y. (1<sup>st</sup>), Donna H. (2<sup>nd</sup>), passed 100%.

### Approval of the Minutes from the last meeting (February 14, 2016).

Allen K. (1<sup>st</sup>), Paul W. (2<sup>nd</sup>), passed 100%.

### Discussion of the Paper Delivered by Jon Arenberg

The Committee just received a copy of the revised procedures for assessing the level of laser damage. The Committee decided to postpone a technical discussion until the next meeting in order to give members time to study the material.

### Current Status of the Draft, Technical Issues

The current draft is built around the use of statistical approach to establish confidence levels regarding damage levels. A designer can choose to establish a confidence level that is appropriate for her application. Different applications require different levels of confidence that a surface will resist laser damage at a certain power density.

The Committee likes this approach. The next step is to describe the measurement procedure.

Jon A. is working on a new draft.

### Cooperation with European Colleagues

During the Boulder meetings in September, there was a lunch meeting in which ways to merge the American initiative can be merged with the ISO work.

At the recent SC9 meeting, Jon A. was appointed to be the project leader for ISO 21254 Part 3's revision. It is expected that he will incorporate some of the American ideas. Continuity between new and old concepts for specification and will be preserved.

### **Invitations to Get Others Involved**

The Committee agreed that anyone is welcome to join the effort to create the new American and ISO standard. Any member can invite anyone else. The mission is to improve some of the problematic definitions and principles that appear in ISO 11254 and ISO 21254. Some of Livermore's NIF procedures serve as the inspiration for the improvements.

### **Schedule Next Meeting**

Photonics West, Sunday, January 29, 2017.

### **Action Items**

Jon A. will finish his new draft for the next meeting.

Allen K. will talk with Trey T. about creating a Webex connection for the upcoming meeting at Photonics West.

### **Adjourned at 1:40 pm**

Donna H. (1<sup>st</sup>), Jason Y. (2<sup>nd</sup>), passed 100%.