

**LOG OF MEETING  
DIRECTORATE FOR ENGINEERING SCIENCES**

SUBJECT: ASTM F08 Committee meetings

DATE OF MEETING: May 16-19

PLACE OF MEETING: Hilton Reno Resort, Reno NV

LOG ENTRY SOURCE: Mark Kumagai, ESME

COMMISSION ATTENDEES: Mark Kumagai, ESME, Thomas Caton, ESME

NON-COMMISSION ATTENDEES: list available upon receipt of ASTM minutes

SUMMARY OF MEETING:

CFSA 60211 CLEARED BY PANEL

X NO MISPRIVILEGES OR  
PRODUCTS IDENTIFIED

EXCEPTED BY: PETITION  
RULEMAKING ADMIN. PROCDD

WITH PORTIONS REMOVED: \_\_\_\_\_

7-12-05 *SKB*

**F08.24 Task Group on Airsoft (5-18-05)**

A meeting to develop a standard for Airsoft products was held as a task group of the Paintball subcommittee. The participants agreed that Airsoft should form a subcommittee separate from the Paintball subcommittee since the product and sport are significantly different. The task group suggested that standards for eye protection and ammunition should be the first standards developed. A standard for the Airsoft gun was drafted based on the paintball standard, but was not available for this meeting.

**F08.24 Task Group on Low Velocity (5-18-05)**

A meeting to develop a standard for youth paintball markers intended for use by children age 9 and older was proposed by a sports equipment manufacturer. Draft standards for a Low Velocity Paintball Marker, Warnings, Projectiles and Field Operations were passed out and a task group was formed to review and comment on the draft.

**F08.24 Task Group on Paintball and Equipment (5-18-05)**

The task group discussed a Field Safety Standard and a draft was presented for comment. The task group discussed requirements for enhanced firing modes (ramping mode). The task group proposed requirements that limit the marker to a maximum 15 balls per second when firing in ramping mode. The task group presented a draft standard for the CO2 valve thread. The requirements were intended to allow the CO2 gas to safely vent if the valve were to unscrew from the CO2 cylinder.

**F08.57 Task Group on Paintball Eye Protectors (5-18-05)**

The task group presented a draft revision to F1776 *Eye Protective Devices for Paintball Sports* to expand the scope of the standard to include head protection (Eye and Head Protective Devices, EHPD). Other proposed revisions included increasing the number of high velocity impacts to the EHPD to simulate field conditions. These proposed changes would affect the High Velocity



Impact Test (section 7.2.3), Lens Retention Test (section 7.2.4), Shell Fragment Test (section 7.2.5) and System Retention Test (section 7.3). The task group chairman requested comments to the draft revision.

#### **F08.24 Subcommittee Meeting on Paintball and Equipment (5-19-05)**

The subcommittee reviewed a negative to the revised F1750-96 terminology from Paintball Gun to Paintball Marker. The negative was considered non-persuasive because the common terminology used today is paintball marker. The subcommittee discussed comments on a balloted revision to F 2030 Standard Specification for Paintball Burst Disk Assemblies. The comments were incorporated and the standard will go to subcommittee ballot.

A new standard for warnings on refillable cylinders was presented. The labeling is intended to warn the users of the hazards of a valve unscrewing from the cylinder and also include Compressed Gas Association (CGA) labeling. The subcommittee agreed to ballot the new warning standard simultaneously to the subcommittee and main committee.

A new performance standard for CO2 valve (male interface to the cylinder) was presented. The new standard is intended to address incidents where the valve unscrewed from the cylinder. The subcommittee agreed to ballot the new standard at the subcommittee level.

The task group on Low Velocity Markers presented their proposed standard to the subcommittee and requested participation by the interested members to develop requirements.

Enhanced, multi-shot features of paintball markers were discussed. The subcommittee proposed to limit the maximum shots per second to 15 balls when the marker is in the enhanced mode. The group discussed requiring a limit in all modes, such as in the semi-automatic mode. Some members expressed concern that the proposed requirements were not adequate and degraded the sport of paintball.

Dr. Stephen Ho made a presentation for the need to enhance requirements for Barrel Blocking devices and Hopper devices. He presented a barrel blocking device that firmly attaches to the marker and hopper loading mechanism to close off the supply of paintballs. A video was shown to demonstrate the effectiveness of these devices.

Subcommittee will ballot a new standard on Paintball Player Safety Briefing. The draft standard was not discussed due to lack of time.

Other sub-committee meetings were attended during ASTM Committee week in Reno, NV May 16 - 20, 2005

Staff attended a workshop organized by Committee F08 on Fitness Equipment: *Workshop on Avoiding Deposition Debacle: A Training Session for Design, Manufacturing, and Marketing Personnel*. This workshop provided a forum about subjects that should be considered for testifying in a deposition.

#### **F08.30 on Fitness Products Sub-committee meeting (5-17-05)**

Subcommittee members discussed;

- A working document: Standard Specification for Elliptical Trainers R9 Reference WK991
- A revision of ASTM F1250 Standard Safety Specification for Stationary Training Equipment
- A revision to ASTM F2276 Standard Specification for Fitness Equipment
- Draft 3 of Standard Test Methods for Evaluating Design and Performance Characteristics of Fitness Equipment

**F08.1 subcommittees on Bicycle Accessories, Frames, Handlebars and Stems, Composite Structures, Suspension and Forks, Wheels, and Bicycles (5-18-05)**

A presentation on adding a paragraph on quick release wheel devices was discussed to match ASTM standards with ISO standards.