|  |  |
| --- | --- |
| **Reported by (Name):** | **Geoffrey S. Ibbott, Ph.D.** |
| **Organization:**  | **International Electrotechnical Commission** |
| **Position Title:** | **Convenor, Working Group 1; Chairman, Subcommittee 62C** |
| **Activity:** | **Semi-annual meeting of Working Group 1** |
| **Meeting Dates:** | **September 21, 2012** |
| **Meeting Location:** | **Houston, TX** |
| **Payment $:** | **Travel reimbursement** |
| **Reasons for Attending or not Attending** | **Attended to chair meeting of WG 1 and to represent the US medical physics community** |
| **Issues from Previous Meetings or Year:** | **See report** |
| **General Description of Activities of the Organization and/or Meeting:** | **See report** |
| **Issues for AAPM:** | **See report** |
| **Budget Request ($):** | **See budget request** |

**Meeting Report**

**US Technical Advisory Group to**

**IEC Subcommittee 62C, Working Group 1**

**Houston, TX**

**September 21, 2012**

**Introduction**

The AAPM participates in the development of international standards and technical reports for the safety and performance of electrical equipment; specifically, equipment related to the delivery of radiation therapy. This is accomplished though a group called the U.S. Technical Advisory Group (U.S. TAG) consisting of representatives from ASTRO, ACR and AAPM as well as those in industry. This group advises the U.S. National Committee (USNC) of the International Electrotechnical Commission (IEC), a Committee of the American National Standards Institute. Since 1993, Geoffrey Ibbott, Ph.D has been USNC Technical Advisor, chair of the U.S. TAG, and a liaison between the U.S. TAG and the USNC. Since 2006, he has been chair of IEC subcommittee 62C. In 2011, Dr. Ibbott was elected Convenor of Working Group 1.

The IEC develops standards for the design of electrical equipment, and medical electrical equipment specifically is handled by its subcommittee 62C. Working Group 1 of 62C deals with equipment used for radiation therapy. These standards have immediate and far-reaching consequences on the design and operation of radiation therapy equipment. For example, the Working Group has published standards that set acceptable levels of leakage radiation, requirements for dosimetric safety and accuracy, and standards for parameters such as gantry angle conventions.

Dr. Ibbott represents the US radiation oncology community at meetings of IEC Working Group 1, Subcommittee 62C and Technical Committee 62. The membership of these committees is at least 50% manufacturers’ representatives, so maintaining a clinical medical physics presence is critical.

**Recent Meeting**

The US TAG met September 21, with five members physically present in Houston. Other members were invited to join by WebEx or conference call. No record was kept of members who participated remotely although there were no comments or questions raised on the conference call. The members who met in Houston were Michael Moyers, Todd Steinberg, James Marbach, Matthew West and Geoffrey Ibbott.

The purpose of this meeting was to review a compilation of comments submitted by national committees to a draft of IEC 60601-2-64. This draft, published as 62C/111/CD, is the second committee draft of the standard, which is entitled Safety and Essential Performance of Light Ion Beam Accelerators. Approximately 200 comments were submitted by the US and other nations prior to the comment deadline of September 7. The comments and their resolution will be the major agenda item of an upcoming meeting of Working Group 1.

The TAG met for approximately 6 hours and completed a review of all technical comments and all of the more significant editorial comments. The TAG prepared responses to all of these comments, and these responses will be presented by the lead US representative to Working Group 1, Dr. Ibbott, at the upcoming meeting.

Respectfully submitted,



Geoffrey Ibbott, Convenor, WG 1 and Chair, US TAG