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| **Reported by (Name):** | James Halama, PhD |
| **Organization:**  | **International Electrotechnical Commission** |
| **MT/PT/WG** | TECHNICAL COMMITTEE TC 62: Electrical equipment in medical practice SUBCOMMITTEE SC 62C: Equipment for radiotherapy, nuclear medicine and radiation dosimetry WORKING GROUP WG 2: Nuclear medicine instrumentation |
| **IEC Standards Numbers and Names**  | standard stability date commentIEC 61303 2028 Radionuclide calibratorsIEC 61675-1 2018 Positron emission tomographs IEC 61675-2 2021 Gamma cameras for planar, wholebody, and SPECT imagingIEC TR 61948-1 2025 Gamma radiation counting systemsIEC TR 61948-2 2019 Routine tests - Part 2: Scintillation cameras and single photon emission computed tomography imagingIEC TR 61948-3 2025 Routine tests - Part 3: Positron emission tomographsIEC TR 61948-4 2019 Routine tests - Part 4: Radionuclide calibrators |
| **Position Title:** | USNC TAG Participant (Group Billing) – Committee Seat |
| **Activity:** | Annual Meeting of the working group |
| **Meeting Dates:** | 4/9/2018 to 4/11/2018 |
| **Meeting Location:** | British Standards Institute BSILondon, England |
| **Payment $:** | $1839.67 – travel and lodging expenses |
| **Reasons for Attending or not Attending** | Working group participant |
| **Issues from Previous Meetings or Year:** | Maintenance project IEC TR 61948-2:2001The comments received for IEC TR 61948-2 have been evaluated and commented. IEC TR 61948-2 has been adapted accordingly. IEC TR 61948-2 is ready for publication. Project owner: James HalamaMaintenance project IEC TR 61948-3:2005The second edition of IEC TR 61948-3 has been published in January 2018. Project owner: Hartwig NewigerMaintenance project IEC TR 61948-4:2006The comments received for IEC TR 61948-4 have been evaluated. No comments requested any change of IEC TR 61948-4. IEC TR 61948-4 is ready for publication. Project owner; Anna CellarNP cardiac cameras (IEC 63073-1 Ed.1.0)The comments received for CD IEC 63073-1 have been evaluated and commented, IEC 63073-1 has been adapted accordingly. The explicit reference to a commercially available phantom has been removed.After final editing the document will be ready for distribution as CDV: project owner: Glenn Wells / Jim HalamaMaintenance project IEC TR 61675-1:2006The comments received for the questionnaire 62C/690/DC to start maintenance of IEC 61675-1:2013 have been reviewed.A task force has been formed with Christian Schuetze being the project owner. The other members being Hartwig Newiger, Kyeong Min Kim as supported by Korea, the expert suggested by Sweden (who needs to be nominated) and suggested - while absent and pending his approval - Chuck Stearns.WG 2’s support of including nuclear medicine equipment to the scope of IEC 63077 (SC 62B/WG 53): position statementWG 2 agrees that nuclear medicine equipment should be part of the scope of IEC 63077. While WG 2 is not able to send a delegate to WG 53, Hartwig Newiger will act as point of contact for WG 2. WG 2 (i.e. Hartwig Newiger) would like to be informed by any changes made to IEC 63977 and would be willing to contribute to the development of IEC by e.g. comments, suggestions, edits.MiscellaneousThe working group still sees a need for additional members of WG2, who would be willing to actively support the work and meaningfully contribute to the discussions. Especially participation by commercial partners would be welcome to better adapt the standards to the technology available today.Topics of potential areas for new standards have been discussed briefly:* validation of software
* validation of segmentation
* motion correction
* quantification
* dosimetry
* breast imaging including dedicated devices
* pixelated SPECT detectors

Date and Place of the next meetingGlenn Wells invited the working group to conduct the next meeting in Ottawa, Canada. The group gladly accepted this invitation. The next meeting is scheduled for May 13th to May 15th, 2019. |
| **General Description of Activities of the Organization and/or Meeting:** | Maintenance of IEC Standards  |
| **Issues for AAPM:** | Responsibility of Medical Physicists to measure and evaluate the performance of the nuclear medicine and PET imaging equipment and compare with IEC standards. |
| **Budget Request ($):** | $2000 |