Key Revisions to the 2016 IAC Standards for Nuclear/PET

A new version of IAC Standards and Guidelines for Nuclear/PET Accreditation was released on September 15, 2016. Some of the changes made are a clarification or explanation of the previous Standards, however, in several instances, the requirements have been modified. All changes are shown in the current Standards in highlighting and include:

- **Medical Director Required Training and Experience** (Applicable Standards 1.1.1.5A-1.1.1.8A)
- **Medical Director Responsibilities** (Applicable Standards 1.1.2.1Ai, 1.1.2.1Aii)
- **Medical Director CME** (Applicable Standards 1.1.3.1A, 1.1.3.3A)
- **Technical Director CE** (Applicable Standards 1.2.3.1A, 1.2.3.3A)
- **Medical Staff Required Training and Experience** (Applicable Standards 1.3.1.5A-1.3.1.8A)
- **Medical Staff CME** (Applicable Standards 1.3.3.1A, 1.3.3.3A)
- **Technical Staff** (Please Note: The Standard previously titled nuclear medicine technologist(s) is now technical staff in all references.)
- **Technical Staff Responsibilities** (Applicable Standards 1.4.2.1A)
- **Technical Staff CE** (Applicable Standards 1.4.3.1A, 1.4.3.3A)
- **Direct Patient Care Personnel** (Applicable Standard 1.5.1.2A)
- **Storage** (Applicable Standard 2.3A)
- **Records** (Applicable Standards 3.1.2A, 3.1.3A)
- **Image Interpretation and Reporting** (Applicable Standards 3.2.4A, 3.2.4.1A, 3.2.4.2A, 3.3.3A, 3.4A, 3.4.2A, 3.4.3A, 3.4.3.4A, 3.4.8A, 3.4.8.1A, 3.4.8.2A, 3.4.8.3Aiv, 3.4.8.4Aiv, 3.4.8.4Av, 3.4.8.5A, 3.4.8.6A, 3.4.8.7A, 3.4.8.7Aii-iv, 3.4.9.1A, 3.4.9.1Aii-v, 3.4.9.2A, 3.4.9.2Aii, 3.4.9.3Aii, 3.4.10A, 3.4.10.1A, 3.4.10.1Aii-ii, 3.4.10.2Ai, 3.4.10.3Aii-iii, 3.4.11.3A)
- **Patient Identification Policy** (Applicable Standards 4.1.1A, 4.1.1.1A, 4.1.1.4A)
- **Pregnancy Screening Policy** (Applicable Standard 4.1.2.5A)
- **Medical Emergencies Policy** (Applicable Standard 4.1.8A)
- **Handling of Non-Radioactive Pharmaceuticals Policy** (Applicable Standards 4.1.9.1A, 4.1.9.3A)
- **Adverse Drug Reactions Policy** (Applicable Standard 4.1.11A)
- **Radiation Safety and Radioactive Materials Handling Protocols** (Applicable Standards 4.2.1A, 4.2.1.1A, 4.2.1.2A)
- **General Radioactive Materials Handling and Radiation Safety** (Applicable Standards 4.4.1.4A Comment, 4.4.1.5Ai, 4.4.1.5Aii)
- **Administration of Radiopharmaceuticals to Patients** (Applicable Standards 4.4.5.1Ai, 4.4.5.1Aii, 4.4.6A, 4.4.7A)
- **Equipment Quality Control Protocols** *(Applicable Standards 1.2B, 1.2.1B, 1.2.1.1B, 1.2.1.1Bi- vi, 1.2.1.3B)*
- **Imaging Equipment Quality Control – Gamma Camera** *(Applicable Standards 1.3.1B, 1.3.1.4B, 1.3.1.7B)*
- **Imaging Equipment Quality Control – PET and PET/CT Scanner** *(Applicable Standards 1.3.2B, 1.3.2.1B, 1.3.2.2B, 1.3.2.3B, 1.3.2.4B)*
- **Non-imaging Equipment Quality Control – Survey Meter** *(Applicable Standards 1.4.1.1B, 1.4.1.3B)*
- **Non-imaging Equipment Quality Control – Dose Calibrator** *(Applicable Standards 1.4.2.1B, 1.4.2.2B, 1.4.2.4B, 1.4.2.5B)*
- **Non-imaging Equipment Quality Control – Well Counter** *(Applicable Standards 1.4.3.3B, 1.4.3.5B)*
- **Non-imaging Equipment Quality Control – Intraoperative Probes** *(Applicable Standards 1.4.4.1B, 1.4.4.2B, 1.4.4.4B)*
- **Non-imaging Equipment Quality Control – Organ Uptake Probes** *(Applicable Standards 1.4.5.1B - 1.4.5.6B)*
- **Other Equipment Quality Control – Emergency Equipment** *(Applicable Standards 1.5.1.2B, 1.5.1.3B)*
- **General Protocol Guidelines** *(Applicable Standards 2.2.3B, 2.2.3.1B, 2.2.3.1Bi, 2.2.3.2B)*

A substantial change to the IAC Nuclear/PET Standards regarding the required administered radiopharmaceutical dose ranges and corresponding radiation effective doses for myocardial perfusion imaging was made. To read the background on this change, please visit [intersocietal.org/nuclear/main/dose.htm](http://intersocietal.org/nuclear/main/dose.htm).

- **Clinical Procedure Protocols** *(Applicable Standards 2.4.1.2B, 2.4.1.3B, 2.4.1.3Bi, 2.4.1.5B, 2.4.2B, 2.4.2.1Bi)*
- **Quality Improvement (QI) Program** *(Applicable Standards 1.1C, 1.1.1C – 1.1.5C)*
- **Quality Improvement Measures** *(Applicable Standards 2.1C)*
- **Quality Improvement Meetings** *(Applicable Standards 3.1.1C)*
- **Quality Improvement Documentation** *(Applicable Standards 4.1.1C, 4.1.1.1C, 4.1.1.2C, 4.1.1.3Ci, 4.1.2C)*

**Part D: Therapy Procedures**

The majority of the new Part D section already existed in the previous Standards, however, these requirements were moved to a new section for Therapy Protocols and Performance only.

- **Therapy Reporting Protocols** *(Applicable Standards 1.1.3D, 1.1.3.1D, 1.1.3.4D, 1.1.7D, 1.1.8D, 1.1.12.1D-1.1.12.3D, 1.1.14D, 1.1.17.1D-1.1.17.3D)*
- **Therapy Clinical Protocols** *(Applicable Standards 1.2.5D, 1.2.5.1D-1.2.5.3D, 1.2.5.5D, 1.2.7.1D-1.2.7.5D, 1.2.8.1Dii, 1.2.8.2Dvi, 1.2.8.3D)*

*Standards* that are highlighted are major content changes that were made as part of the September 15, 2016 revision. These *Standards* will become effective on March 15, 2017. Facilities applying for accreditation after March 15, 2017 must comply with these new highlighted *Standards*. 