Medical Physics Certification
The Path to the Future

G. Donald Frey
Professor of Radiology
Medical University of South Carolina
Charleston, SC

Issues
- Public not satisfied with traditional standards

Public, Government, Payers
- Large number of deaths attributable to medical errors
- Medical physicists not immune
- Concerns that self regulation is not adequate
Issues

- Public not satisfied with traditional standards
- Profession not satisfied with performance of candidates
  - Overspecialized training
  - Weak training
  - Lack of clinical experience

Paradigm Shift

- Education
  - Certification
  - Reputation

Paradigm Shift

- Education
  - Certification
  - Continuing Education

Paradigm Shift

- Education
  - Certification Time Limited
  - MOC Continuous
Education

- Education needs to be based on an analysis of practice patterns
  - Current requirements
  - Basis for future development

Six Competencies

- Patient Care
- Practice Knowledge & Procedural Skill
- Interpersonal & Communication Skills
- Professionalism
- Practice Based Learning & Improvement
- Systems-based Practice
Part 1
- Anatomy and Physiology
- Medical Physics Principles
- DX, NM, RT

Part 2
- Detailed Exam in Area of Specialization

Part 3 (Oral)
- Clinical Exam in AOS

Future
- Certification
- Maintenance of Certification
  - Continuous Process
  - No end date on Certificates
  - Periodic review (perhaps 3 years)