ATC Plan/Timetable for 2008–2009

ITC – ATC Plans for 2008-09

1. Service
   a. Continue to provide Digital Data Integrity QA (DDIQA) service to RTOG, NSABP, JCOG, EORTC, and other cooperative groups that request ITC services
   b. Continue to support NCIA/RTOG 0522/ACRIN Project
   c. Continue to support QRRO Prostate Seed Implant Project
   d. Continue to assist CDRP institutions to meet credentialing criteria for advanced technology protocols
   e. Explore new service opportunities

2. Development (See timetable for QuASA^{2}R)
   a. Develop DDIQA / Archive loading tools
   b. Populate TeraMedica Evercore database
   c. Evaluate/acquire/implement in production mode diagnostic image review tool (e.g., MIMvista)
   d. Implement remote access server for server-side review
   e. Implement production mode Grid-enabled CERR

3. Coordination/Standards
   a. Promote simplified, coordinated credentialing process across QA Centers and cooperative groups serviced by ATC
   b. Promote uniform structure naming in advanced technology protocols
   c. Support RTOG Consensus Image Segmentation Atlases
   d. Continue efforts in support of RT Data Exchange Standards (DICOM Working Group – 7; IHE-RO; and Direct Support for TP Vendor Data Export Efforts)
   e. Continue to participate in caBIG In Vivo Imaging Workspace (Clinical Trial Tool Integration (CTTI Requirements)
   f. Continue to monitor related informatics efforts: (1) MAX – QARC; (2) TRIAD – ACR; (3) VIEW – QARC, ACR; (4) OPEN – CTSU; (5) CDMS – caBIG; (6) Docu-MART – CTEP, CALGB, ECOG, SWOG
   g. Update/maintain ATC website

RTOG – ATC Plans for 2008-09

1. Service
   a. Continue service work with ITC in QA process for RTOG protocols utilizing advanced technologies, in particular providing protocol compliance QA (PCQA) review

2. Coordination/Standards
   a. IGRT Protocols: Promote QA Center uniformity relative to (a) Facility Questionnaire and (b) Guidelines for Use
   b. Initiate Adaptive Radiation Therapy (ART) Protocols: Develop/present to ATC protocol templates promoting QA Center uniformity:

- Facility Questionnaire for ART
- Guidelines for ART
- Define ART Techniques and Tools
  c. New Technologies –Intensity Modulated Arc Therapy (IMAT)
    - Develop consensus guidelines relative to credentialing
  d. New Technologies – Particle Beams
    - Develop Guidelines for Launching Protocols

QARC – ATC Plans for 2008-09

1. Credentialing
   a. Web-based facility information form that is common for all the QA groups to include key personnel and contact information that the sites themselves could keep updated
   b. Development of IGRT guidelines, forms, and credentialing that will be accepted by all groups and QA centers for participation in protocols requiring, or allowing, IGRT
   c. Continue collaboration with RPC on proton credentialing

2. Digital Data/Remote Review
   a. Anticipate increased volume of digital data
   b. Validation of CERR
   c. Develop/implement web-based review

3. Other Initiatives pertinent to ATC
   a. VIEW
      - VIEW Overview
        – Meeting in Chicago, June 2008
        – IT, Quality and Standards Sub-committees met to establish committee membership and objectives
        – First VIEW protocol, NCCTG N0723 –Marvel Trial opening October 1st. A Phase III Second-Line Therapy in Patients With Advanced Non-Small Cell Lung Cancer (NSCLC) Randomized to Pemetrexed Versus Erlotinib
        – QARC will track and acquire baseline and follow-up imaging; ACRIN will perform QA.
        – Duplicate archive established at QARC and ACRIN
      - VIEW Aims
        – Develop a standardized approach to credentialing facilities that perform imaging exams according to the VIEW standards.
        – Assist clinical trial organizations in the development of an imaging charter that is acceptable to the trial sponsors and FDA.
        – Advance the science of imaging biomarker development: explore alternative imaging analysis, alternative imaging approaches, and establish databases that can be mined for testing new approaches.
   b. caBIG
      - Participate in caBIG In Vivo Imaging Workspace (Clinical Trial Tool Integration (CTTI Requirements)

RPC – ATC Plans for 2008-09

1. Service
   a. Continue QA process service work in collaboration with ATC subcontractors for all study group protocols utilizing advanced technologies, in particular providing credentialing services and treatment record review

2. New Developments
   a. IGRT Protocols: continue to promote uniformity among QA Centers with regard to facility questionnaires
   b. Take lead role in developing a web-based facility questionnaire that can be updated by individual institutions for new protocols
   c. Prepare credentialing and auditing procedures for Adaptive Radiation Therapy (ART):
      - Facility Questionnaire for ART
      - Remote and on-site audit procedures
      - Credentialing procedures for ART
   e. Develop and implement credentialing tools for Intensity Modulated Arc Therapy (IMAT)
      - Participate in the development of consensus guidelines relative to credentialing
   f. New Technologies – Particle Beams
      - Develop remote and on-site auditing procedures
      - Develop and implement credentialing procedures