ATC Tools Status Report

	ATC Tools Status as of 10/04/2005		

ATC Submission and QA Review System (Method 1 - in use)

Features

Priority	Description	Requested by	Status
	Interim HDR import allows 3D visualization of dwell positions	ITC	Done 6/x/04
	Add additional isodose levels (total of 6 instead of 4 levels visible at once)	RPC	Done 8/6/03
	Retain memory of last protocol visited	RTOG	Done 8/6/03
	DVH defaults to PTV (then ETV, then GTV)	RTOG	Done 8/6/03
	Online T2 form	ITC	Done 8/6/04
	Greyscale preselect menu	QARC	Done 12/15/04
	RRT integrated with Method 1 database		Done 12/15/04
	Implement CD data import into Method 1 database	QARC	Done 12/22/04
	Allow RRT to accept scoring from reviewers	RTOG	Done 12/x/04
	RRT disclaimer (not to be used for patient care)	ITC	Done 1/x/05
	Select source for DVH applet (ATC computed, institution submitted, etc.)	ITC	Done 3/14/05
	Add a measuring tool to the RRT	RPC	Done 5/19/05
	Streamline data import and DVH calculation process	QARC	Done 6/22/05
	Establish RRT server at QARC	QARC	Done Sep 2005
	Import non-supine datasets (needed for PBI and developing protocols)		Done 7/1/05
4	Move/Copy "up one slice" "down one slice" inside contouring applet	All	
	Identify cases with outstanding problems in the ITC QA database user interface	ITC	
	View more than one slice (not just thumbnails)	ITC	
	Show plan identified seeds on TIPPB plans	ITC	
	Add a margin generation tool to the RRT		

Features needing additional specification

Priority	Description	Requested by	Status
	Extract/export dose planes for phantom dosimetry	RPC	
	Implement brachy plan summary	Study Chair	
	Import HDR into Method 1 database sufficient to allow dose re-calculation	ITC	
	Platform Independent DVH Engine	RCET	
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Bugs

Priority	Description		Status
	DVH has problems with small volumes (especially phantom TLDs)		Fixed 5/3/04
	Intermittent problem importing dose submitted by the Corvus treatment planning system		Fixed 8/31/04
	Implant plans using RTOG Data Exchange format not extracted properly		Fixed 10/6/04
	Implant plans with Pd103 seeds not working in FOCUS		Fixed 12/13/04
	RRT rapid refresh bug		Fixed 1/x/05
	Read non-square pixel US images (need for prostate preplan viewing in RRT)		
	TIPPB plans cannot be recalculated for Method 1 submissions		
	Intermittent problem importing contours created/modified using the RRT contouring applet		

ATC Submission and QA Review System (Method 2 - in development)

Features

Priority	Description	Requested by	Status
	WebSys v.2 Server Software (automatic indexing/JPEG image generation for diagnostic images	ITC	in v.2.4 in testing
	Rapid Image Review support for images submitted using RTOG data exchange format	ITC	
	Improved case selector user interface in WebSys: select (or sort by) protocol, insitution, case	ITC	in v.2.3
	Add review status flag to indicate state of QA process flow	ITC	
	WebSys/NetSys client revision interlock	ITC	
	Tool to check consistency of WebSys database with respect to submitted DICOM and RTOG objects	ITC	
	Web-based server administration interface	ITC	in v.2.4 in testing
	Server-side validation tool for submitted RT DICOM objects	ITC	
	WebSys Client User's Manual	ITC	
	WebSys/NetSys Server Administrator's Manual	ITC	
	WebSys/NetSys Server Programmer's Manual	ITC	

Bugs

Priority	Description		Status
	WebSys Client file selector in DICOM upload hangs (BOSCHWR, WinXP)	ITC	fixed v.2.1.3b in testing
	Websys Client file selector in RTOG crashes with non-standard filenames.	ITC	
	Database limits user accts to 6 protocols as "user" and 6 protocols as "study director"	ITC	
	Rapid Image Review applet thumbnails have incorrect Z positions (appear out of order)	ITC	fixed v.2.1.3b in testing
	Rapid Image Review grayscale rendering makes some images unusable.	ITC	
	Rapid Image Review grayscale controls difficult to interpret; no way to apply grayscale settings to all images	ITC	
	Rapid Image Review interface state is inconsistent (e.g., Equalize is not applied to all images)	ITC	
	Web-based server administration fails to delete a case record	ITC	
	WebSys v2.3 fails to read DICOM-conformant files for download of information objects containing sequences when uploaded data were encoded using Explicit-VR transfer syntax	ITC	
	Improved WebSys client error message	ITC	