

Toshiba Aquilion

Revision History

Date / Version	Author	Comments
7/6/2012	Steve Moore	<ul style="list-style-type: none"> • Aquilion, Activion 16 • Aquilion™/Asteion™ • Aquilion™/Asteion™
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Introduction

Observations on Siemens Private Elements

1. The CT scanners use private elements in these groups with these private creator values:
 - a. 7005 TOSHIBA_MEC_CT3

Scanner/Software Versions

Link Name / Siemens website	Model	Software Version	Meta SW Version	Document	File Name
Aquilion, Activion 16	Aquilion	V3.30	V3.30	MIICT0051EA	
Aquilion™/Asteion™	Aquilion	V1.62	V1.62	MIICT0046EA	
Aquilion™ ONE	Aquilion	V4.10, V4.20	V4.x	MIICT0050EAA	

In the table of private elements in the following sections:

*: Element is listed in the document

X1: Element is listed with a note: No longer supported

TOSHIBA_MEC_CT3

				V3.30	V1.62	V4.x
Description	Tag	VR	VM			
Toshiba Private Creator ID	0x70050010	LO	1	*	*	*
CT Private Data 1	0x70051000	OB	1-n	*	*	*
Cardiac R-R Mean Time	0x70051003	SH	1	*	*	*
Cardiac Reconstruction Gating Phase in Percent	0x70051004	SH	1	*	*	*
Cardiac Reconstruction Gating Phase in ms	0x70051005	SH	1	*	*	*
Cardiac Reconstruction Mode	0x70051006	SH	1	*	*	*
Reconstruction Center	0x70051007	DS	2	*	*	*
Detector Slice Thickness in mm	0x70051008	DS	1	*	*	*
Number of Detector rows to Reconstruct	0x70051009	LO	1	*	*	*
Table Speed in mm/rot	0x7005100a	DS	1	*	*	*
Filter	0x7005100b	SH	1	*	*	*
Reconstruction Correction Type	0x7005100c	SH	1	*	*	*
Organ	0x7005100d	CS	1	*		*
File Type Remarks	0x7005100e	SH	1	*	*	*
Direction	0x7005100f	SH	1	*	*	*
CT Private Data 2	0x70051010	OB	1-n	*	*	*
Series Comment	0x70051011	LT	1	*		*
Position	0x70051012	SH	1	*	*	*
Expert Plan No.	0x70051013	US	1	*	*	*
Reconstruction ROI No.	0x70051014	US	1	*	*	*
Volume UID	0x70051016	US	1	*		*
Total Frame Count in the	0x70051017	US	1	*		*

Volume						
Frame No.	0x70051018	US	1	*		*
Frame Sort Key	0x70051019	UL	1	*		*
Frame Sort Order	0x7005101a	US	1	*		*
(L1) Convolution Kernel (L2) Convolution Kernel for Series Record	0x7005101b	SH	1		(L1) (L2)	(L1)
(L1) Contrast/Bolus Agent (L2) Contrast/Bolus Agent for Series Record	0x7005101c	LO	1		(L1) (L2)	(L1)
Reconstruction Number	0x7005101d	UL	1	*	*	*
Raw Data Number	0x7005101e	UL	1	*		*
Volume Number	0x7005101f	LO	1	*		*
Local Series Number	0x70051020	UL	1	*		*
Decrease in Artifact Filter	0x70051021	LO	1	*	*	*
Reconstruction Interval	0x70051022	DS	1	*		*
Pitch Factor	0x70051023	DS	1	*		*
The Acquisition Date of NRA	0x70051024	DA	1	*		*
Large Data File Attribute	0x70051025	UL	1	*		*
Large Data File Name	0x70051026	CS	1-8	*		*
Enhanced CT Private Sequence	0x70051028	SQ	1	*		*
Frame UID	0x70051029	UI	1	*		*
Main Modality in Study	0x70051030	CS	1	*		*
Scan Range	0x70051035	DS	2	*		*
CT Private Data 3	0x70051036	OB	1-n	*		*
Total Frames	0x70051037	IS	1	*		*
Start Frame	0x70051038	IS	1	*		*
End Frame	0x70051039	IS	1	*		*
DLP (Dose Length Product)	0x70051040	FD	1	*		*
Raw Slice Information	0x70051041	SH	1	*		*
Local Frame No	0x70051042	US	1	*		*
Volume Vector	0x70051043	DS	3	*		*
Volume Type	0x70051044	US	1			*
Relative Table Position of 4D Volume	0x70051045	DS	1			*
Absolute Table Position of 4D Volume	0x70051046	DS	1			*
Slice Pitch of 4D Volume	0x70051047	DS	1			*
Respiratory Gating Inf.	0x70051048	LO	1	*		*
Respiration Phase	0x70051049	SH	1	*		*
Protect Mark for Image, Curve or Private Record	0x700510f1	CS	1	*		*
Protect Mark for Series	0x700510f2	CS	1	*		*

Record						
Protect Mark for Study Record	0x700510f3	CS	1	*		*