

Philips Achieva MR Series

Revision History

Date	Author	Comments
3/28/2012	Steve Moore	Initial release <ul style="list-style-type: none"> • Achieva R 2.5 • Achieva R 2.6
		Achieva 3.2
12/30/2012	Steve Moore	<ul style="list-style-type: none"> • Achieva 3.0T TX R3.1

Introduction

This document lists private elements for Philips Achieva MR systems. A separate table is maintained for each collection of private elements indexed by the Private Creator ID. Each table contains a column for each of the software versions listed below. The intersection of a row (private element) and a column (software version) is a cell with a symbol indicating if that private element is produced by that software version.

*: Element is listed in the document

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

If the cell is empty, the DICOM conformance statement for that software version does not mention that private element.

All data were determined by reading DICOM conformance statements.

Private elements for Philips modalities are defined in Philips conformance statements found here:

http://www.healthcare.philips.com/us_en/about/Connectivity/dicom_conformance_main.wpd

The link is for US sites; other regions will find a different link for conformance statements appropriate for those devices.

The Philips Achieva MR series has a number of different software versions and product names that have been released. We have reviewed conformance statements that correspond to software releases encountered when accepting images for the Cancer Imaging Archive (<http://www.cancerimagingarchive.net>). This document describes the private elements are listed in these conformance statements.

Scanner/Software Versions

Link Name / Philips website	Model	Software Version	Document
Achieva R2.5	Achieva	2.5	4522 132 61681
Achieva R2.6	Achieva	2.6	4522 132 79461
Achieva R3.2	Achieva	3.2	4522 205 02161
Achieva 3.0T TX R3.1	Achieva	3.0T TX R3.1	452213312861

Philips Group 2001

				Achieva R2.5	Achieva R2.6	Achieva 3.2	Achieva 3.0T TX R3.1
Description	Tag	VR	VM				
Private Creator Group 2001	0x20010010	LO		*	*	*	*
Chemical Shift	0x20011001	FL		*	*	*	*
Chemical Shift Number MR	0x20011002	IS		*	*	*	*
(L1) Diffusion B-Factor (L2) Diffusion b-value	0x20011003	FL		(L1)	(L2)	(L1)	(L2)
Diffusion Direction	0x20011004	CS		*	*	*	*
Image Enhanced	0x20011006	CS		*	*	*	*
Image Type ED ES	0x20011007	CS		*	*	*	*
Phase Number	0x20011008	IS		*	*	*	*
Image Prepulse Delay	0x20011009	FL				*	
Slice Number MR	0x2001100A	IS		*	*	*	*
Slice Orientation	0x2001100B	CS				*	
Arrhythmia Rejection	0x2001100C	CS				*	
Cardiac Cycled	0x2001100E	CS				*	
Cardiac Gate Width	0x2001100F	SS				*	
Cardiac Sync	0x20011010	CS				*	
Diffusion Echo Time	0x20011011	FL		*	*	*	*
Dynamic Series	0x20011012	CS		*	*	*	*
EPI Factor	0x20011013	SL		*	*	*	*
Number of Echoes	0x20011014	SL		*	*	*	*
Number of Locations	0x20011015	SS		*	*	*	*
Number of PC Directions	0x20011016	SS		*	*	*	*
Number of Phases MR	0x20011017	SL		*	*	*	*
Number of Slices MR	0x20011018	SL		*	*	*	*
Partial Matrix Scanned	0x20011019	CS		*	*	*	*
PC Velocity	0x2001101A	FL		*	*	*	*

Prepulse Delay	0x2001101B	FL		*	*	*	*
Prepulse Type	0x2001101C	CS		*	*	*	*
Reconstruction Number MR	0x2001101D	IS		*	*	*	*
Respiration Sync	0x2001101F	CS		*	*	*	*
SPIR	0x20011021	CS		*	*	*	*
Water Fat Shift	0x20011022	FL		*	*	*	*
Flip Angle Philips	0x20011023	DS		*	*	*	*
Series is Interactive	0x20011024	CS				*	
Echo Time Display	0x20011025	SH				*	
Contrast Transfer Taste	0x20011058	UL				*	
Number of Stacks	0x20011060	SL		*	*	*	*
Series Transmitted	0x20011061	CS				*	
(L1) Acquisition Number (L2) acquisition_no	0x2001107B	IS		(L1)	(L1)	(L2)	L1
(L1) Number of Dynamic Scans (L2) no_dynamic_scans	0x20011081	IS		(L1)	(L1)	(L2)	L1
IsrawImage	0x200110A1	CS				*	
Prospective Motion Correction	0x200110F1	FL		*	*	*	*
Retrospective Motion Correction	0x200110F2	FL		*	*	*	*

Philips Group 2005

				Achieva R2.5	Achieva R2.6	Achieva R3.2	Achieva 3.0T TX R3.1
Description	Tag	VR	VM				
Private Creator Group 2005	0x20050010	LO		*	*	*	*
Number of Chemical Shift	0x20051020	SL		*	*	*	*
Syncra Scan Type	0x200510A1	CS		*	*	*	*
Diffusion Direction RL	0x200510B0	FL		*	*	*	*
Diffusion Direction AP	0x200510B1	FL		*	*	*	*
Diffusion Direction FH	0x200510B2	FL		*	*	*	*