



## **3D Secondary Capture SOP Class**

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## 1. Introduction

The Vtools Family of applications will create functional images from special applications. Those will be encoded as Standard extended SOP Class. Please see the following tables for a selected overview of supplied Standard and Private attributes.

<b>SC SOP Class</b>		
<b>Attribute Name</b>	<b>Tag</b>	<b>Value</b>
Specific Character Set	(0008,0005)	<as defined with Study>
Image Type	(0008,0008)	'ORIGINAL\SECONDARY\OTHER'
Instance Creation Date	(0008,0012)	
Instance Creation Time	(0008,0013)	
Instance Creator UID	(0008,0014)	
SOP Class UID	(0008,0016)	<depending on the modality type>
SOP Instance UID	(0008,0018)	<new UID>
Study Date	(0008,0020)	<yyyymmdd><as defined with Study>
Series Date	(0008,0021)	<yyyymmdd><as defined with Study>
Acquisition Date	(0008,0022)	<yyyymmdd><file creation date>
Content Date	(0008,0023)	<yyyymmdd> <file creation date>
Acquisition Date time	(0008,002A)	<yyyymmddhhmmss><file creation date and time>
Study Time	(0008,0030)	<hhmmss ><as defined with Study>
Series Time	(0008,0031)	<hhmmss ><as defined with Study>
Acquisition Time	(0008,0032)	<hhmmss ><file creation date>
Content Time	(0008,0033)	<hhmmss ><file creation date>
Accession Number	(0008,0050)	<as defined with Study>
Modality	(0008,0060)	CT or MR or US
Conversion Type	(0008,0064)	DV
Manufacturer	(0008,0070)	'Millentech Systems'
Institution Name	(0008,0080)	<Defined in the site configuration>
Institution Address	(0008,0081)	<Defined in the site configuration>
Referring Physician's Name	(0008,0090)	<as defined with Study>
Station Name	(0008,1010)	
Study Description	(0008,1030)	<as defined with Study>
Series Description	(0008,103E)	'Series Created VT3dView, Volume Captured Images'
Performing Physicians' Name	(0008,1050)	
Admitting Diagnoses Description	(0008,1080)	

Manufacturer's Model Name	(0008,1090)	'Vision Tools '+software verison
Patient's Name	(0010,0010)	<as defined with Patient>
Patient ID	(0010,0020)	<as defined with Patient>
Patient's Birth Date	(0010,0030)	<as defined with Patient>
Patient's Birth Time	(0010,0032)	
Patient's Sex	(0010,0040)	<as defined with Patient>
Other Patient IDs	(0010,1000)	
Other Patient Names	(0010,1001)	
Patient's Age	(0010,1010)	
Patient's Size	(0010,1020)	<as defined with Study>
Ethnic Group	(0010,2160)	
Occupation	(0010,2180)	
Additional Patient's History	(0010,21B0)	
Patient Comments	(0010,4000)	<as defined with Patient>
Body Part Examined	(0018,0015)	<as defined with Series>
Study Instance UID	(0020,000D)	<as defined with Study>
Series Instance UID	(0020,000E)	<new UID>
Study ID	(0020,0010)	<as defined with Study>
Series Number	(0020,0011)	<highest series number + 1>
Instance Number	(0020,0013)	<highest image number + 1>
Image Comments	(0020,4000)	'Processed Image with Vision Tools ' +Software version
Samples per Pixel	(0028,0002)	1
Photometric Interpretation	(0028,0004)	MONOCHROME2 or RGB
Rows	(0028,0010)	
Columns	(0028,0011)	
Pixel Aspect Ratio	(0028,0034)	-
Bits Allocated	(0028,0100)	16 bit or 24 bit
Bits Stored	(0028,0101)	8-12 bit
High Bit	(0028,0102)	7-11
Pixel Representation	(0028,0103)	0
Smallest Image Pixel Value	(0028,0106)	
Largest Image Pixel Value	(0028,0107)	
Window Center	(0028,1050)	
Window Width	(0028,1051)	
Rescale Intercept	(0028,1052)	
Rescale Slope	(0028,1053)	
Lossy Image Compression	(0028,2110)	
Pixel Data	(7FE0,0010)	binary