A.33.1.1 Grayscale Softcopy Presentation State IOD Description

The Grayscale Softcopy Presentation State Information Object Definition (IOD) specifies information that may be used to present (display) monochrome images that are referenced from within the IOD.

It includes capabilities for specifying:

a. the output grayscale space in P-Values
b. grayscale contrast transformations including modality and VOI LUT
c. mask subtraction for multi-frame images
d. selection of the area of the image to display and whether to rotate or flip it
e. image and display relative annotations, including graphics, text and overlays

Note

1. This IOD does not support presentation control for a set of images for which the modality LUT varies on a frame-by-frame basis. Other Presentation State IODs (standard or private) may support such images.

2. This IOD may only be used to reference monochrome images, i.e. images with a Photometric Interpretation (0028,0004) of MONOCHROME1 or MONOCHROME2. See Section A.33.2 for the Color Softcopy Presentation State IOD, which allows for referencing color images, e.g. images with a Photometric Interpretation (0028,0004) of RGB.