

1050302 CONTRACTOR QUALITY CONTROL GENERAL REQUIREMENTS –  
COMPLIANCE WITH THE MATERIALS MANUAL – SECTION 11.4 COMPUTED  
RADIOGRAPHY PROCEDURES (PHOTOSTIMULABLE LUMINESCENCE)  
COMMENTS FROM INTERNAL/INDUSTRY REVIEW

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Comments: (4-3-12)

What replaces the requirements of AWS D1.5 clauses 6.10.4, 6.10.11, 6.12?

Response:

These issues will be addressed by the fabricator in their submittal for the use of computed radiography similar to the following:

- 6.10.4           Equivalent for digital systems is: GP and HP imaging plates meeting IP Special per ASTM E2446
  
- 6.10.11          An optical line pair test pattern operating between 0.1 and 4.0 optical density shall be used to evaluate the modulation transfer function (MTF) of the system. The step wedge shall be used to evaluate system contrast sensitivity. The optical density step wedge shall be used to evaluate system contrast and sensitivity.
  
- 6.12             The digital image shall be evaluated using appropriate monitor luminosity, display techniques, and room lighting to insure proper visualization of detail.

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