HOW TO EVALUATE THE RADIOGRAPHIC PERFORMANCE AND LONG TERM STABILITY OF A COMPUTED RADIOGRAPHY SYSTEM

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Astract

The fundamentals of Computed Radiography (CR) are well established (ASTM E2007 and E2033), but until recently there were no comprehensive, formal methods for evaluating the full range of the radiographic performance characteristics of a CR system. Such measures and periodic monitoring are important in assuring optimum and consistent quality of CR systems. This paper will highlight some useful measures, and will assist users in accordance with ASTM E 2445, "Standard Practice for the Qualification and Long Term Stability of Computed Radiology Systems," ASTM International.

About the Author

Steve Mango, Worldwide Technical Manager, Non-Destructive Testing

A Kodak employee for over 30 years, Steve Mango joined the company's non-destructive testing (NDT) group in 2002 – now a business unit of the recently formed Carestream Health, Inc. He currently serves as world wide technical manager, overseeing all regional activities dealing with KODAK non-destructive testing products. Mango also manages the latest technologies in computed radiography at Carestream Health's state-of-the-art demonstration lab located in Rochester, NY.

In previous years, Mango served in various technical and managerial roles at Kodak such as quality/applications specialist, systems engineer, aerial product development manager, and regional account manager for Northeast U.S. and Latin America aerial imaging markets.

Mango has authored, presented, and published several papers on various aspects of computed radiography and is an active member of American Society of Non-Destructive Testing (ASNT) and ASTM International. He's a graduate of Rochester Institute of Technology and earned his bachelor's degree in image science.