

2- Digital Imaging and Communications Standards

ACR-NEMA version 1.0. ACR/NEMA standards publication No. 300-1985, National Electrical Manufacturers Association, Washington, D.C. 1985.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *Basic Technology; Users Manual; Computer Applications in Radiology.*

ACR/NEMA version 2.0 ACR/NEMA standards publication No. 300-1988, National Electrical Manufacturers Association, Washington, D.C. 1988.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *Networking; Update of Version 1.0; Computer Applications in Radiology.*

Blume H, Fuscoe C, Hill DG, Horii SC, Moore J, Murphy LL, Wake R, Wallace G, Zielonka J. Extension of ACR-NEMA digital interface communications standard to compression techniques: status report. Proceedings of the Society of Photo-optical Instrumentation Engineers. Medical Imaging II 1988; 914-B: 823-6.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *Medical Imaging Systems; Computer Applications in Radiology; Medical Image Characteristics and Image Quality.*

Butlet DM, Hamilton CL. Prototype relational implementation of the "NEMA schema". Proceedings of the Society of Photo-optical Instrumentation Engineers. Medical Imaging II 1988; 914-B: 1066-8.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *New Imaging Facilities; Medical Imaging Systems; Equipment Performance Analysis.*

Carson PL. Image enhancement for medical diagnosis – can it be effective? Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine II 1973; 43: 91-109.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *Computer Applications in Radiology; Medical Image Characteristics and Image Quality; Equipment Performance Analysis.*

Chaney EL. Performance standards and possible field evaluation of image intensifiers. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine II 1973; 43: 203-221.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *Medical Image Characteristics and Image Quality; Quality Reassurance Programs; Equipment Performance Analysis.*

Clunie DA. DICOM structured reporting. Bangor (PA): PixelMed Publishing; 2001.

Full text available online.

URL: <http://www.pixelmed.com/>

KEYWORDS: *Diagnostic Interpretation and Reporting; Computer Applications in Radiology.*

Gaertner A. Medizintechnik und informationstechnologien 2. Bildmanagement: TUEV Verlag Köln; July 2005.

No abstract or full text available online.

Contact your academic library system for availability.

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KEYWORDS: *Computer Applications in Radiology; Medical Image Management.*

Good WF, Herron JM, Maitz GS, Gur D. ACR-NEMA standard: the reality versus the ideal. Proceedings of the Society of Photo-optical Instrumentation Engineers. Medical Imaging II 1988; 914-B: 1081-6.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *New Imaging Facilities; Computer Applications in Radiology; Equipment Performance Analysis.*

Gregg EC. Image enhancement in clinical radiology. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine II 1973; 43: 97-100.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *Computer Applications in Radiology; Medical Image Characteristics and Image Quality; Equipment Performance Analysis.*

Osterwijk H, Gihring PT. DICOM basics. 3rd ed. Aubrey (TX): Otech Inc.; 2002.

No abstract or full text available online.

Contact your academic library system for availability.

Purchase in English, Japanese, and Spanish online.

URL: <http://www.otechimg.com/books.cfm?menu=pubs>

KEYWORDS: *Technical User's Manual.*

Johnson CB. A review of electro-optical imaging devices for medical applications. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine 1972; 35: 3-8.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *Medical Imaging Systems; Computer Applications in Radiology; Digital Imaging.*

Kilgore RA, Gregg EC. Transfer functions for xeroradiographs and electronic image enhancement systems. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine II 1973; 43: 55-8.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *New Imaging Facilities; Computer Applications in Radiology; Medical Image Characteristics and Image Quality.*

Pianykh OS. Digital imaging and communications in medicine (DICOM) – a practical introduction and survival guide. Springer; 2008.

Full text available online.

URL: <http://www.springerlink.com/content/978-3-540-74570-9>

KEYWORDS: *DICOM Introduction; User Guide.*

Revet B. DICOM cook book for implementations in modalities. Philips Medical Systems; 1997.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *DICOM Implementation.*

Ringleben CL, Wessell WR, Wiess P, Miggenaber K. ACR-NEMA implementation and PACS architectural implication. Proceedings of the Society of Photo-optical Instrumentation Engineers. Medical Imaging II 1988; 914-B: 1069-80.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *New Imaging Facilities; Computer Applications in Radiology; Quality Assurance Programs.*

Selzer RH. Can enhancement be effective in medical diagnosis? Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine II 1973; 43: 93-6.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *Computer Applications in Radiology; Medical Image Characteristics and Image Quality; Equipment Performance Analysis.*

Shea FJ, Revesz G. Performance standards of image intensifiers. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine II 1973; 43: 203-4.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *Medical Image Characteristics and Image Quality; Quality Reassurance Programs; Equipment Performance Analysis.*

Seshadri SB, Khalsa S, Arenson RL, Brikman I, Davey MJ. Image archive with the ACR/NEMA message formats. Proceedings of the Society of Photo-optical Instrumentation Engineers. Medical Imaging II 1988; 914-B: 1409-15.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *New Imaging Facilities; Computer Applications in Radiology; Equipment Performance Analysis.*

Tristán TA. Requirements and capabilities of imaging systems in diagnostic radiology. Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine 1972; 35: 223-5.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *Medical Imaging Systems; Computer Applications in Radiology; Medical Image Characteristics and Image Quality.*

Wagner RF, Weaver KE. An assortment of image quality indexes for radiographic film-screen combinations – can they be resolved? Proceedings of the Society of Photo-optical Instrumentation Engineers. Application of optical instrumentation in medicine 1972; 35: 83-94.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *Medical Imaging Systems; Medical Image Characteristics and Image Quality; Equipment Performance Analysis.*

Wang Y, Best DE, Hoffman JG, Horii SC, Lehr JL, Lodwick GS, Morse RR, Murphy LL, Nelson OL, Perry J, Thompson BG, Zielonka JS. ACR-NEMA digital imaging and communications standards: minimum requirements. Radiology 1988; 166: 529-532.

Abstract and full text available online.

URL: <http://radiology.rsna.org/content/166/2/529.full.pdf>

KEYWORDS: *Purposes, Implications and History of the Development of the ACR-NEMA (DICOM) Standard.*

Wang Y, Best DE, Morse RR, Horii SC, Lehr JL, Lodwick GS, Fuscoe C, Nelson OL, Perry JR, Thompson BG, Messell WR. Update of the ACR-NEMA standard committee. Proceedings of the Society of Photo-optical Instrumentation Engineers. Medical Imaging II 1988; 914-B: 1406-8.

No abstract or full text available online.

Contact your academic library system for availability.

KEYWORDS: *New Imaging Facilities; Digital Imaging; Equipment Performance Analysis.*