



Setting Standards for Excellence

# MINUTES

MINUTES:

WG GROUP 5 (EXCHANGE MEDIA)  
DICOM STANDARDS COMMITTEE

PLACE OF MEETING:

NEMA HEADQUARTERS  
ROSSLYN, VIRGINIA

DATE AND TIME:

TUESDAY, MAY 13, 1997  
8:30 A.M.

## MEMBERS PRESENT

David Best  
David Clunie  
Dwight Simon  
Kees Smedema  
Lawrence Tarbox

Eastman Kodak Company  
GE Medical Systems  
Merge Technologies, Inc.  
Philips Medical Systems  
Siemens Medical Systems

## MEMBERS ABSENT

Krishna Anedath  
Robert Horn

Konica Medical Corporation  
Polaroid Corporation

## OTHERS PRESENT

Mark Barron  
Dean Beilke  
Bill Edens  
Arnold Jones  
Harry Kobetitsch  
David Leong  
Gerry Pelanek  
Scott Popovich  
Jim Rose  
Mike Scanlon  
Arif Shakoor  
Doug Sluis  
Charles Thomas

Sony Medical Systems  
Imation Corporation  
GE Medical Systems  
Micro Design International  
Picker International  
Picker International  
Eastman Kodak  
Maxoptix  
Imation Enterprises  
Maxoptix  
GE Medical Systems  
ATL  
Digital Cardiac Imaging

National Electrical  
Manufacturers Association

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WG 5 (Exchange Media),  
DICOM Standards Committee  
May 13, 1997

Andrew Tompkins  
David Ty  
Aaron Waitz  
David Snavelly

InfiMed  
ISG Technologies, Inc.  
Eastman Kodak  
NEMA Staff

PRESIDING OFFICER:

DAVID CLUNIE, CHAIRMAN

1. APPROVAL OF PREVIOUS MINUTES

The minutes from the April 16 - 17, 1996 meeting were approved as presented. The February 24, 1997 minutes were reviewed. Under Section IV, the fourth line should read "650 MB MOD" and not "65 MB MOD." The minutes were then approved as amended. There were no comments on the March 24, 1997 Teleconference Report.

2. SUPPLEMENT 20 - X-RAY CARDIAC 1024 MEDIA APPLICATION PROFILE

David Clunie appraised members of the changes made to the Public Comment draft as a result of comments. These are marked on the May 12, 1997 draft. The motion was made and approved to send the May 2, 1997 Supplement 20 - X-ray Cardiac 1024 Media Application Profile draft to WG 6 with the recommendation that they approve it for letter ballot by the DICOM Standards Committee.

3. SUPPLEMENT 18 - MEDIA STORAGE APPLICATION PROFILES FOR CT AND MR IMAGES, SUPPLEMENT 27 - MEDIA FORMATS AND PHYSICAL MEDIA FOR DATA INTERCHANGE, AND SUPPLEMENT 25 - ULTRASOUND APPLICATION PROFILE MEDIA EXTENSIONS

No public comments have been received on Supplements 18, 25, and 27. The comment period ends June 2, 1997. Any comments on these supplements will be reviewed at the June WG 6 meeting with the goal of preparing them for letter ballot. It was agreed that those WG 5 members not attending the WG 6 meeting could teleconference into the meeting at the time these supplements are considered. It was tentatively agreed that they be considered on Wednesday, June 4, 1997.

4. PRESENTATION ON DVD BY EASTMAN KODAK

Gerry Pelanek of Eastman Kodak presented a technical slide presentation on DVD. She reviewed the history of CD-R and the CD-R family tree. She then discussed the chronology of DVD and the family tree. DVD has different physical formats but DVD-R is recordable over all these formats. She recommended that the following be considered before a decision is made on its use for DICOM:

- a. Documentation of Standards for DVD
- b. Life of the product
- c. Multisession capabilities
- d. Reliability
- e. Reasonable cost

5. PRESENTATION ON DVD BY PHILIPS

Kees Smedema of Philips Medical Systems provided information on the physical compatibility between generic CD and DVD media and drives.

6. PRESENTATION ON MOD BY MAXOPTIX

Mike Popovich of Maxoptix provided a technical slide review on MODs. The newest MOD is ASMO-120 which is being standardized by a consortium. He provided present specifications for ASMO but emphasized that he believed ASMO would not completely replace 5.25" MO.

7. PRESENTATION ON UDF BY MICRO DESIGN INTERNATIONAL

Arnold Jones presented a technical slide presentation on UDF (Universal Disk Format). UDF is being developed by OSTA, a consortium, through the use of a practical subset of ISO 13346. They specify a set of rules and restrictions but are still compliant with ISO 13346. A definition of a universal file system is one that it enables interchange among a wide variety of operating systems.

8. DISCUSSION ON APPLICABILITY TO DICOM

Members discussed whether UDF would meet the needs of DICOM for a file system. The general feeling was that it would. It was expressed that it was the only choice for DVD and could support CD-RW. It was noted that DVD was needed for the 1024 Cardiac profile. As an assignment, Working Group 5 members were requested to provide comments on UDF and DVD for the next WG 5 meeting.

9. TIME AND PLACE OF NEXT MEETING

The next meetings of WG 5 is planned to be held at NEMA Headquarters in Rosslyn, Virginia, on September 11, 1997. A teleconference is also planned for WG 5 members to confer with WG 6 during their meeting on June 4, 1997.

10. ADJOURNMENT

The meeting adjourned at 4:50 p.m.

Reported by:  
David Snavely  
Industry Manager  
(5/22/97)

REVIEWED BY COUNSEL

*MS*  
*5/29/97*