

INFORMATION PAPER

MCMR-MMP-I
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SUBJECT: Picture Archiving and Communication Systems (PACS) Overview

1. Purpose: To provide high level details of the PACS program within Image Management Systems

2. Overview: Image Management Systems (IMS) is responsible for the central management of PACS throughout the AMEDD. The five regional medical commands are managed, upgraded, and replaced separately. Each upgrade establishes regional standardization of the PACS in effort to improve workflow within the command and Enhanced Multi-Service Markets. In addition to centrally managing imaging workflow, IMS is responsible for the central procurements, deployments and management of: mammographic reporting systems, radiology voice dictation systems, peer review, critical test results, and advanced 3-D imaging.

3. Facts:

a. PACS Program Talking Points:

- Current PACS configuration uses two primary vendors
- Total annual maintenance support cost for the PACS program is \$6.2M; this includes support for legacy systems, voice dictation systems, hardware/software, and other ancillary products that support radiology workflow
- Centrally manages life-cycle replacement for diagnostic imaging workstations; \$13M / 730 workstations AMEDD-wide; systems are maintained and replaced on a rotating 5 year basis
 - Provides central support for Diagnostic, Mammographic, Review and Quality Control configurations
- Coordinates efforts between the Navy and Air Force MTFs to enhance image sharing capabilities

4. Discussion: IMS is currently deploying new PACS to the Southern and Western Regional Medical Commands. Both commands are scheduled to be completed before the end of CY15 and will provide radiologists with new hardware and diagnostic tools. IMS will also be deploying a new radiology voice dictation system in CY15. This upgrade will improve the current voice recognition software-engine by five generations and enhance peer review functionality at all MTFs. In CY15, IMS will centrally manage software upgrades to PACS in Europe, Pacific, and the Northern Regional Medical Commands. These upgrades will enhance system performance and expand the tools available to radiology providers.

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