

**Commander's Corner**  
**Integrated Clinical Systems**  
**Program Management Office**

The Integrated Clinical Systems Program Management Office (ICSPMO) centrally manages all imaging, image management, and major clinical systems which integrate with the DoD Electronic Medical Record; implements the Technology Assessment and Requirements Analysis (TARA) and the Combatant Command (COCOM) TARA programs; facilitates acquisitions and life cycle management for picture archiving and communications systems (PACS), imaging, and teleradiology program initiatives; and manages information assurance (IA) requirements for Medical Care Support Equipment (MEDCASE) and Super Capital Equipment Expense Program (SuperCEEP) medical devices. In addition, the ICSPMO is involved in special projects and implementing new technologies to enhance health care for Warfighters and their families.

The **TARA** team visits each fixed Medical Treatment Facility (MTF) every 3-to-5 years where they interview hospital staff, review maintenance records, inspect equipment, and review the facility's workflow and mission. The team synthesizes the information and generates 5-year strategic equipment acquisition requirements to ensure timely delivery of affordable, sustainable, interoperable, IA-compliant capabilities.

The TARA team realizes savings through recommending the appropriate equipment levels, reusing equipment, and replacing outdated equipment with more cost-effective technologies. Since its inception, the TARA program has recommended over \$248 million in cost avoidance and cost savings.

The **COCOM TARA** team visits deployed and deployable MTFs, combining the knowledge and experience of Tri-Service military personnel and civilians to assess the technologies used in theater. In addition, the team oversees the Theater Provided Equipment-Medical (TPE) Reset. This project was established by the United States Army Medical Command (USAMEDCOM), and since FY 2009, ICSPMO has obligated more than \$31 million and managed more than 1,185 pieces of equipment while standardizing, performing integrated logistics support (ILS), and ensuring IA compliance.

**Image Management Systems (IMS)** performs MEDCOM-level product management for PACS and teleradiology. PACS electronically stores all diagnostic images to enable the records to be retrieved and integrated into the electronic health record (EHR) of Soldiers and their families. The system increases efficiencies by enabling radiologists to view and interpret studies regardless of their geographic location.

**IA** serves as the subject matter expert on medical device IA throughout the DOD protecting the security and integrity of our networks, online medical records, and patient data. IA works closely with the USAMEDCOM Chief Information Officer (CIO) and industry partners developing policies and procedures to ensure medical devices are properly certified and compatible for use on government networks.

The Integrated Operating Rooms (**IOR**) initiative is a Congressional Special Interest project that is fully supported by MEDCOM and the Office of the Surgeon General (OTSG). The project explores new technology platforms, systems of care, minimally invasive surgical (MIS) procedures, integration and

interoperability of medical devices and systems within the operating room (OR), and accurate data capture. It also aims to optimize patient safety, comfort, and staff satisfaction while ensuring the improvements are financially efficient. An OR is integrated if users have centralized control to manipulate/route video, audio, and data information throughout the OR by selected user interfaces. The project will incorporate IORs into 19 designated sites consisting of over 120 ORs.

The Remote Diagnostic Access (**RDA**) project originated with an Operational Needs Statement (ONS) from theater for remote diagnostic access to CTs, MRIs, and x-ray equipment for diagnosing operational issues and sending patches to the equipment software. This project not only saves time, but it will improve system uptime of critical medical equipment and reduce the need to send repair technicians into theater.

The Barcoding Point of Care (**BPOC**) project is a Food and Drug Administration (FDA) and OTSG mandate. The project implements bedside barcoding for inpatient care, including lab work, blood administration, and medicines. BPOC improves patient care by monitoring and alerting drug dosages, drug allergies, drug interaction, and blood type. The goal is to implement point-of-care barcoding for all fixed MTFs. Phased rollout begins December 2011.

The portable x-ray digital radiography (**DR**) project was initiated through a Congressional Directive that funded a successful Proof of Concept. The goal is to modernize deployable portable x-ray capability in a forward environment. The system will improve the patient care experience by shortening exam time and potentially lowering radiation exposure. In addition, the DR will provide improved image resolution, which will lead to better image quality and more accurate diagnoses. Currently the project is moving to the Request for Proposals (RFP) phase. Implementation is anticipated to begin in FY 2012.

The Anesthesia Recording and Monitoring Device (**ARMMD**) is medical-grade hardware that creates an electronic medical record with data from the anesthesia unit and the patient monitoring system (monitoring waveforms, vital signs, anesthesia usage). The ARMMD project is a Military Health Services (MHS) initiative to standardize tools, policies, and reporting templates across all three services, which will provide an immediate local solution along with Tri-Service configuration and oversight. Implementation is currently underway.