



The BEAT



THE NEWSLETTER OF THE SOLUTION DELIVERY DIVISION

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EBMS-D Upgrade Improves Patient Safety and System Efficiency

The Solution Delivery Division’s Electronic Health Record (EHR) Core Program Management Office Enterprise Blood Management System-Donor (EBMS-D) application recently completed a system upgrade that addresses safety concerns for manufacturing blood products and improves the system’s overall functionality. The year-long collaborative effort involved the Armed Services Blood Program, Service Blood Program Offices, 20 Blood Donor Centers (BDCs) and the EBMS Project Office.

The upgrade includes Blood Establishment Computer System (BECS) validations at the central server and site levels, ensuring that EBMS-D functions as designed to meet Food and Drug Administration requirements for a 510(k) Class II medical device. EBMS-D feeds data collected during mobile blood drives into a global database and retrieves real-time data to support donor and inventory management.

“Initial feedback from EBMS-D end users indicates improved application speed and decreased download and upload times of donor data before and after mobile blood drives, from 4-5 hours to 20 minutes or less,” said EBMS project officer Sandra Attidore. “The upgraded system provides a better experience for end users, allowing them to manage donor information more efficiently, while reducing the potential for patient safety errors.”

Additionally the EBMS-D upgrade allows BDCs to capture real-time data related to the use of pathogen reduction (PR) technology. PR technology is designed to reduce the risk of transfusion-transmitted infections by inactivating a broad range of pathogens, such as viruses, bacteria and parasites, which may be unknowingly present in donated blood. The system upgrade enables end users to track and label blood that has gone through the PR process and allows BDCs to send blood products to transfusion services earlier, resulting in a longer shelf-life and optimizing utilization at military treatment facilities.



A volunteer donates blood at the annual Armed Services Blood Program Blood Drive at West Point earlier this year.

SDD AT-A-GLANCE



SDD Portfolio

- The SDD portfolio delivers the functional benefits of information technology to drive health care to health
- Global reach in all military treatment facilities (MTF)
 - 55 hospitals, 5,519 beds
 - 393 medical clinics
 - 245 dental clinics

Direct Impact to MTF Operations

- 9.5M beneficiaries with clinical data
- 95K+ active users, 125K+ end-user devices
- 150K+ new encounters daily
- Process nearly 25K requisitions and \$13M+ in medical supplies and pharmaceuticals daily
- Near real-time global medical surveillance
- Support patient safety, nutrition services, blood programs, occupational health, and more

Clinical EHR Solutions

- AHLTA – outpatient EHR
- Essentris® – inpatient EHR
- CHCS – appointing and ancillary
- TOL Patient Portal and Secure Messaging
- EHR Sustainment – transition to new, modernized EHR
- HAIMS – artifacts and imagery
- EBMS – blood product management

Business & Administrative Solutions

- DMHRSi – medical human resources
- DMLSS – medical logistics
- ESSENCE – syndromic medical surveillance
- JCCQAS – credentialing
- iMEDCONSENT – patient consent
- S3 – surgical scheduling
- JPSR - patient safety
- EIRB – research support
- CCE – medical coding assistance
- M2/MDR – data repository, management analysis and reporting

Message from SDD Division Chief

Greetings! I am COL Francisco Dominicci and this is my first opportunity as Solution Delivery Division (SDD), Chief to present The BEAT to you, our stakeholders. I want to publicly thank my predecessor, COL Rich Wilson, and the entire SDD team for the warm welcome and thorough transition of duties. It is with great appreciation that I have assumed leadership of such a talented group of health care information technology professionals and I look forward to supporting them and the SDD mission. We are dedicated to advancing military health care and honored to serve our 9.5 million Department of Defense beneficiaries.



COL Francisco Dominicci,
Division Chief, SDD

Our “Cover Story” highlights our Enterprise Blood Management System-Donor application and its recent upgrade that addressed blood collection safety concerns. The enhancements to the technology allow our blood donor centers to send blood products earlier, resulting in a longer shelf-life for the blood and optimizing its utilization at military treatment facilities (MTFs). Keep reading for more highlights of the great work our SDD teams have produced in the past quarter.

Our “Feature Story” introduces the Defense Health Agency (DHA) Software Development Kit (SDK),

a public and open repository of tools for building DHA-compliant mobile applications. The web-based SDK was built in response to increased customer demand for mobile health apps and will accelerate build times by consolidating and standardizing secure mobile app development. Continue reading about a new

acquisition contract that allows MTFs to more easily order queuing hardware. Items can be procured via a Global Service Center ticket and if that item is not available in the catalog, the contract can be rapidly modified to accommodate MTF needs.

Next in the “PMO/Branch Spotlight” you will learn about how our Electronic Health Record Modernization and Enterprise Intelligence and Data Solutions Program Management Offices partnered to launch the Military Health System (MHS) Private Sector Care Dashboard. The dashboard shows where MHS beneficiaries receive care and if their civilian providers are part of the Health Information Exchange.

And finally the “Product Spotlight” explains how Electronic Surveillance System for the Early Notification of Community-based Epidemics helps to identify potential outbreaks at MTFs around the globe.

Visit [SDD News subscriber page](#) to register for topics of interest.

New Software Development Kit Supports DHA App Development

The Solution Delivery Division (SDD) Web and Mobile Technology (WMT) Program Management Office recently launched the Defense Health Agency (DHA) Software Development Kit (SDK) to provide tools for building DHA-compliant mobile applications (apps).

“We built the web-based SDK in response to increased customer demand for mobile health apps,” explained WMT program manager Bob Kayl. “The SDK will accelerate build times by consolidating and standardizing secure mobile app development.”

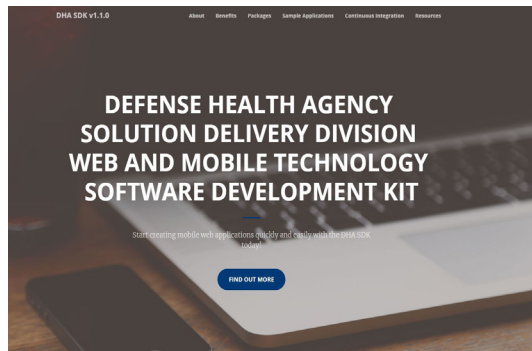
SDK features include:

- A public and open repository with reusable components, including end-to-end encryption for communications
- User-controlled identity and authentication

- Military Treatment Facility (MTF) template
- Native Android biosensor hub
- Templated app themes

“Rather than building apps from scratch, developers can use the SDK to pull down blocks of DHA-compliant code, which really speeds up the development process,” he added. “They can simplify the design processing by using our app templates.”

The SDK is available [here](#).



Improved Queuing Hardware Ordering Available to MTFs

The Solution Delivery Division Health Services Support (HSS) Program Management Office recently partnered with the Infrastructure Operations Division Lifecycle Management Branch to implement a contract that enables military treatment facilities (MTFs) to order queuing (Q-Flow) hardware. The Solutions for Enterprise-Wide Procurement (SEWP) contract is managed by the National Aeronautics and Space Administration (NASA) and supports the Patient Queuing and Notification System (PQNS). It enables MTFs to order from the NASA SEWP catalog with MTF or Service funding.

MTFs can procure catalog items via a Global Service Center ticket, which will be processed and coordinated by the Infrastructure Operations Division Lifecycle Management Branch. If an item is not available in the catalog, the contract can be rapidly modified to accommodate MTF needs.

This NASA SEWP contract augments the already existing PQNS licensing contract to enable enterprise acquisition and management of MTF queuing implementation.



SDD Wins Service Member Awards

Congratulations to the following Solution Delivery Division members for being named Calendar Year 2019 Service Members of the First Quarter for both the Defense Health Agency (DHA) and Deputy Assistant Director Information Operations (DAD IO/J-6).

Field Grade Officer

Maj Matthew Royall, USAF
User Integration Branch

Company Grade Officer

Capt Allen Hall, USAF
Enterprise Intelligence and Data Solutions
Program Management Office

Senior Non-Commissioned Officer

MSgt Deondra Parks, USAF
User Integration Branch



2019 Defense Health Information Technology Symposium July 30 - August 1

Caribe Royale Hotel and
Convention Center
Orlando, Florida

SDD will showcase its capabilities at this year's Defense Health Information Technology Symposium! We invite you to visit us at the MHS Pavilion or at SDD education and panel speaker sessions.

For more information, please click [here](#).

