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Exhibit R-2, RDT&E Budget Item Justification: PB 2021 Defense Health Agency **Date:** February 2020

Appropriation/Budget Activity 0130: <i>Defense Health Program I BA 8: Software and Digital Technology Pilot Programs</i>	R-1 Program Element (Number/Name) PE 0608045DHA I <i>Software and Digital Technology Pilot Program</i>
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COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
Total Program Element	0.000	0.000	0.000	160.428	-	160.428	163.542	166.811	273.426	278.893	Continuing	Continuing
845: <i>Software & Digital Technology Pilot Program</i>	-	0.000	0.000	160.428	-	160.428	163.542	166.811	273.426	278.893	Continuing	Continuing

Note

This is not a new start. Effort continues from FY 2020, funded in PE 0605045DHA - Joint Operational Medicine Information System (JOMIS).

A. Mission Description and Budget Item Justification

Issue: The Defense Health Agency's Joint Operational Medicine Information System (JOMIS) (Budget Activities 01, 02 and 03) and Theater Medical Information Program - Joint (TMIP-J) (Budget Activity 01) will be realigned to the Software and Digital Technology Budget Activity (Budget Activity 08).

Joint Operational Medicine Information Systems (JOMIS) Program is to modernize, deploy, and sustain the DoD's operational medicine information systems using MHS GENESIS Electronic Health Record (EHR), while developing and fielding new theater capabilities that enable comprehensive health services to meet Warfighter requirements for military medical operations. JOMIS is intended to function in constrained, intermittent, and non-existent communications environments while providing access to authoritative sources of clinical data. The JOMIS Program is declared Joint Interest for capability requirements to be executed under the Joint Capabilities Integration and Development System (JCIDS) and the oversight of the Joint Requirements Oversight Council (JROC).

TMIP-J is a suite of system applications that is currently deployed to all Services as the primary healthcare information technology (IT) system supporting the Warfighter. TMIP-J integrates components of the Service's sustaining base systems and the medical information systems to ensure timely interoperable medical support for mobilization, deployment and sustainment of Theater and deployed forces. TMIP-J enhances the clinical care and information capture at all levels of care in Theater, transmits critical information to the Theater Commander, the evacuation chain for combat and non-combat casualties, and provides input to a service member's longitudinal health record. TMIP-J provides information at the point of injury and to the Theater tactical and strategic decision makers through data capture and transmission to a single Theater Management Data Store (TMDS). Using TMDS, TMIP-J provides the integration with external systems for medical logistics, patient movement and tracking, and medical command and control and medical situational awareness. TMIP-J system components integrate to specific tactical requirements, providing for availability in no- and low- communications environment through store and forward capture and transmission technology. The Theater Medical Information Program - Joint (TMIP-J) is in sustainment; Full Deployment declared May 2016.

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B. Program Change Summary (\$ in Millions)	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	160.428	-	160.428
Total Adjustments	0.000	0.000	160.428	-	160.428
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Reprogrammings	-	-	160.428	-	160.428

Change Summary Explanation

The Software and Digital Technology Pilot Program (Budget Activity 08) is being stood up this cycle for the Defense Health Program by realigning the following funding streams to Budget Activity 08:

- 1) non-CIVPAY O&M funding (Budget Activity 01) for TMIP-J in the amount of \$87.497M and for JOMIS in the amount of \$21.051M.
- 2) RDT&E funding (Budget Activity 02) for JOMIS in the amount of \$49.260M.
- 3) Procurement funding (Budget Activity 03) for JOMIS in the amount of \$2.620M.

The establishment of the Software & Digital Technology PE/Project Code (Budget Activity 08) in the Research, Development, Test & Evaluation (RDT&E) appropriation allows software capability delivery to be funded as a single budget line item, with no separation between RDT&E, production and sustainment.

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Appropriation/Budget Activity 0130 / 8					R-1 Program Element (Number/Name) PE 0608045DHA / <i>Software and Digital Technology Pilot Program</i>				Project (Number/Name) 845 / <i>Software & Digital Technology Pilot Program</i>			
COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
845: <i>Software & Digital Technology Pilot Program</i>	-	0.000	0.000	160.428	-	160.428	163.542	166.811	273.426	278.893	Continuing	Continuing

A. Mission Description and Budget Item Justification

TMIP-J is a suite of system applications that is currently deployed to all Services as the primary healthcare information technology (IT) system supporting the Warfighter. TMIP-J integrates components of the Service's sustaining base systems and the medical information systems to ensure timely interoperable medical support for mobilization, deployment and sustainment of Theater and deployed forces. TMIP-J enhances the clinical care and information capture at all levels of care in Theater, transmits critical information to the Theater Commander, the evacuation chain for combat and non-combat casualties, and provides input to a service member's longitudinal health record. TMIP-J provides information at the point of injury and to the Theater tactical and strategic decision makers through data capture and transmission to a single Theater Management Data Store (TMDS). Using TMDS, TMIP-J provides the integration with external systems for medical logistics, patient movement and tracking, and medical command and control and medical situational awareness. TMIP-J system components integrate to specific tactical requirements, providing for availability in no- and low- communications environment through store and forward capture and transmission technology. The Theater Medical Information Program - Joint (TMIP-J) is in sustainment; Full Deployment declared May 2016.

The JOMIS Program will modernize, deploy, and sustain the DoD's operational medicine information systems using MHS GENESIS, while developing and fielding new theater capabilities that enable comprehensive health services to meet Warfighter requirements for military medical operations. JOMIS - MHS GENESIS is intended to function in constrained, intermittent, and non-existent communications environments while providing access to authoritative sources of clinical data. The JOMIS Program is declared Joint Interest for capability requirements to be executed under the Joint Capabilities Integration and Development System (JCIDS), with oversight by the Joint Staff J8 (Force Structure, Resources and Assessments) and the Joint Requirements Oversight Council (JROC).

The JOMIS Increment 1 Program is planned to deliver the MHS GENESIS Electronic Health Record (EHR) to meet the healthcare and dental documentation requirements validated by the JCIDS approved Theater Medical Information Requirements (TMIR) Capabilities Development Document (CDD) signed February 28, 2017. JOMIS Increment 1 is planned to deliver MHS GENESIS to replace/retire the legacy AHLTA-T and TC2 systems (under TMIP-J). The JOMIS Increment 1 Program is pre-Milestone B.

B. Accomplishments/Planned Programs (\$ in Millions)

	FY 2019	FY 2020	FY 2021
Title: Software and Digital Technology Pilot Program	-	-	160.428
Description: Specific contribution to mission delivery: JOMIS Increment 1 Program will serve as the primary tactical system to meet the needs of the Warfighter by enabling the provision of coordinated healthcare services. MHS GENESIS is planned to provide for key capabilities in Healthcare Services & Documentation (including Blood Management and Dental Services and Documentation). The JOMIS Increment 1 Program will also integrate MHS GENESIS for interoperability with existing Theater			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2019	FY 2020	FY 2021
<p>system capabilities for Medical Logistics, Patient Movement and Evacuation, Medical Situational Awareness and Medical Command & Control.</p> <p>FY 2021 Plans: FY 2021 RDT&E Plans: \$49.260</p> <ul style="list-style-type: none"> • Continue software development and other activities related to MHS-GENESIS Segment 2 Build 4 Gold Disk delivery. • Support the Defense Health Management System Modernization (DHMSM) program office for testing of MHS GENESIS Segment 2 Build 4 Gold Disk delivery. • Continue engineering and program management support for the Services. <p>FY 2021 Procurement Plans: \$2.620</p> <ul style="list-style-type: none"> • Continue integration activities, software licenses and utilities and tools. • Continue to support maintenance of government-approved laboratory infrastructure, software maintenance, hardware procurement and technical refreshes. <p>FY 2021 O&M Plans: \$108.548</p> <ul style="list-style-type: none"> • Prepare analyses and acquisition documentation in support of Test and Evaluation Authority to Proceed (ATP) Milestone Event • Continue decomposition into Requirements Definition Package (RDP) to inform JOMIS Increment 1 and the delivery of future increments capability • Continue support of Program Management Office (PMO) • Operate and maintain OM GAL Testing Facility • Continue engineering and program management support from the Air Force, Army, Marine Corps, and Navy • Fund sustainment of TMIP-J legacy systems prior to delivery of PM JOMIS <p>FY 2020 to FY 2021 Increase/Decrease Statement: Reflects the program's updated strategy and timeline. New funding in Budget Activity 08 starting in FY 2021 reflects the realignment of the funding for JOMIS/TMIP-J from Budget Activities 01, 02 and 03 to Budget Activity 08.</p>				
Accomplishments/Planned Programs Subtotals		-	-	160.428
C. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				

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D. Acquisition Strategy
N/A