

## Business Case: Capital Asset Summary

### Part I: Summary Information and Justification (All Capital Assets)

#### Section A: Overview & General Information

**Date Investment First Submitted:** 2015-10-13  
**Date of Last Change to Activities:**  
**Investment Auto Submission Date:**  
**Date of Last Investment Detail Update:** 2021-06-29  
**Date of Last Business Case Update:** 2021-06-29  
**Date of Last Revision:** 2021-06-29

**Agency:** 007 - Department of Defense--Military Programs      **Bureau:** 97 - Defense-wide

**1. Name of this Investment:** Defense Medical Information Exchange

**2. Unique Investment Identifier (Ull):** 007-000100462

#### Section B: Investment Detail

- 1. Provide at least one Agency Strategic objective code ([A-11 Section 230](#)) and/or Agency Priority Goal code ([A-11 Section 250](#)) that this investment aligns to on performance.gov. If this investment aligns to more than one Agency strategic objective code and/or Agency Priority goal code list all that apply. If your agency does not report to performance.gov please use "0". This is required for Agency IT Portfolio Summary Part 1 and Part 2 Investments, not for Part 3 Investments.**

Agency Strategic Objective(s):

007SO18266: Restore Military Readiness to Build a More Lethal Force

Agency Priority Goal(s):

- 2. Briefly describe the investment's return on investment, including benefits internal and external to the government and outcomes achieved or planned.**

A Return on Investment (ROI) will not be completed for the Interoperability component of the DMIX program. The Interoperability component is in sustainment and costs would exceed benefits to conduct an ROI. An ROI was completed on the Viewer component of the DMIX program. The ROI analysis compared the Status Quo Alternative (sustainment of multiple viewers) to the Preferred Alternative (sustainment of a single viewer). The quantitative analysis resulted in an ROI of 7.04 which indicates a significant return on investment. Benefits related to the Viewer component include: – Re-engineers the clinician's business process, streamlining the provider's work flow – Reduces the time it takes for a provider to access the viewer and improves safety by eliminating the need for the provider to search for the patient. – Reduces the number of systems the provider must access to view a patient's complete clinical picture..

3. If this investment will result in the elimination or the reduction of another major or non-major investment(s), please complete the following:

| Table I.B.1 Affected Investment Information |                  |
|---|------------------|
| Investment UII                              | To Be Status     |
| 007-000007178                               | to be eliminated |
| 007-000006594                               | to be eliminated |

4. Does the Investment currently include an intra- or inter-Agency shared service (common, shared, or centralized solution)?:  
YES
5. Does the Investment plan to include an Intra- or Inter-Agency shared service that it does not currently include (common, shared, or centralized solution)?:  
YES
6. If systems contained in this Investment collect data from the public, please identify the OMB Control Numbers which authorize that data collection as per the Paperwork Reduction Act. Use [Reginfo](#) at the following link to identify information collection requests and OMB control numbers. Agencies can work with their Records Officers to determine the applicability.
7. Provide the name of the Investment-level project manager:  
Ken Slaughter
8. Select the qualification/experience level of the Investment-level project manager (select one):  
1 - FAC-P/PM(DAWIA-3)- Senior

## Section C: Life Cycle Costs

1. Provide the total estimated life cycle costs for the investment in millions. Note: Do not enter information in the grey cells as these will be calculated.

| Table I.C.1 Life Cycle Costs                                  |                    |             |             |             |
|---|--------------------|-------------|-------------|-------------|
|   | PY-1<br>&<br>Prior | PY<br>2021  | CY<br>2022  | BY<br>2023  |
| Planning Costs:   | 0                  | 0           | 0           | 0           |
| DME (Excluding Planning) Costs:                               | 0                  | 0           | 0           | 0           |
| DME (Including Planning) Govt. FTEs:                          | 0                  | 0           | 0           | 0           |
| Sub-Total DME (including Internal Labor (Govt. FTE)):         | 0                  | 0           | 0           | 0           |
| O & M Costs:  | \$187.960000       | \$48.886000 | \$49.223000 | \$53.091000 |
| O & M Internal Labor (Govt. FTE):                             | \$14.145000        | \$4.346000  | \$4.367000  | \$1.637000  |
| Sub-Total O & M Costs (Including Internal Labor (Govt. FTE)): | \$202.105000       | \$53.232000 | \$53.590000 | \$54.728000 |
| Total Cost (Including Internal Labor (Govt. FTE)):            | \$202.105000       | \$53.232000 | \$53.590000 | \$54.728000 |
| Total Cost Internal Labor (Govt. FTE) costs:                  | \$14.145000        | \$4.346000  | \$4.367000  | \$1.637000  |
| # of FTE rep by costs:  | 69                 | 16          | 16          | 8           |
| Total change from prior year final President's Budget (\$)    |                    | \$5.729000  | 0           |             |
| Total change from prior year final President's Budget         |                    | 12.06%      | 0.00%       |             |

Table I.C.1 Life Cycle Costs

|     | PY-1<br>&<br>Prior | PY<br>2021 | CY<br>2022 | BY<br>2023 |
|-----|--------------------|------------|------------|------------|
| (%) |                    |            |            |            |

2.
  - a. In which year did or will this investment begin? (specify year - e.g., PY-1= 2019)  
2016
  - b. In which year will this investment reach the end of its estimated useful life? (specify year - e.g., FY+5 = 2027)  
2033
3. Compare the funding levels for PY and CY to the final FY 2022 President's Budget for those same years. Briefly explain any significant changes. When making comparisons, ensure that you compare same-year-to-same-year (e.g., the FY20 level for 2020 versus the FY21 level for 2020):  
FY 2020: Year of execution adjustments. FY 2021: No change.

## Business Case Detail: Performance Measurement Report

### Section A1: General Information

1. **Name of this Investment:** DEFENSE MEDICAL INFORMATION EXCHANGE
2. **Unique Investment Identifier (UII):** 007-000100462

## Section C1: Projects Table

Projects Table C.1

| Unique Project ID | Project Name | Project Goal | Project Start Date | Project Completion Date | Project Lifecycle Cost (\$M) | Software Project? |
|-------------------|--------------|--------------|--------------------|-------------------------|------------------------------|-------------------|
|-------------------|--------------|--------------|--------------------|-------------------------|------------------------------|-------------------|

NONE

## Section C2: Project Activities

1. Provide all non-agile project activities for projects in Table C.1 that started in a previous FY (PY and earlier) and that have not been completed by the beginning of the CY, as well as activities that are scheduled to start in the current FY and BY.

Project Activity Table C.2.1

| Unique Project ID | Activity Name | Activity Description | Structure ID | Planned Start Date | Projected Start Date | Actual Start Date | Planned Completion Date | Projected Completion Date | Actual Completion Date | Planned Total Costs | Projected Total Costs | Actual Total Costs |
|-------------------|---------------|----------------------|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|-------------------|---------------|----------------------|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|

NONE

## Section D: Operational Data

1. Provide the date and results of the last Operational Analysis (for operational and mixed life cycle systems/Investments):
  1. Date of Analysis:
  2. Analysis Results:
  3. Analysis Conclusion: continue as is
2. Report a minimum of 5 metrics using the following table to provide metrics and actual results for each individual metric:

Metrics Definitions and Actual Results Table D.2 / D.3

| Metric ID | Metric Description   | Unit of Measure | Performance Measurement Category Mapping | Agency Baseline Capability | 2020 Target | 2021 Target | Measurement Condition | Reporting Frequency | Agency Strategic Objective / Agency Priority Goal                    | Is Metric Retired? |
|-----------|--|-----------------|--|----------------------------|-------------|-------------|-----------------------|---------------------|--|--------------------|
| 30622     | Retrieve patient-centric information pulled from disparate healthcare systems in real time for presentation in a browser in less than 2 minutes. | Percentage      | 2 - Strategic and Business Results       | 0.000000                   | 90.000000   | 90.000000   | Over target           | Quarterly           | 007SO18266 : Restore Military Readiness to Build a More Lethal Force | No                 |
| Metric ID | Actual Result ID   | Actual Result   | Date of Actual Result                    | Comment                    |             |             |                       |                     |  |                    |
| 30622     | 288741   | 98.830000       | 12/31/2020                               |                            |             |             |                       |                     |  |                    |
| 30622     | 288740   | 99.700000       | 09/30/2020                               |                            |             |             |                       |                     |  |                    |
| 30622     | 288739   | 99.990000       | 03/31/2020                               |                            |             |             |                       |                     |  |                    |
| 30622     | 288738   | 99.840000       | 03/31/2021                               |                            |             |             |                       |                     |  |                    |
| 30622     | 288737   | 99.870000       | 06/30/2020                               |                            |             |             |                       |                     |  |                    |
| 30622     | 288736   | 99.990000       | 12/31/2019                               |                            |             |             |                       |                     |  |                    |
| 29327     | Baseline Execution Index - amount of tasks that complete on time compared to baseline.   | Percentage      | 2 - Strategic and Business Results       | 0.000000                   | 80.000000   | 80.000000   | Over target           | Monthly             | 007SO18266 : Restore Military Readiness to Build a More Lethal Force | No                 |
| Metric ID | Actual Result ID   | Actual Result   | Date of Actual Result                    | Comment                    |             |             |                       |                     |  |                    |
| 29327     | 288735   | 83.000000       | 04/30/2020                               |                            |             |             |                       |                     |  |                    |
| 29327     | 288734   | 90.000000       | 12/31/2019                               |                            |             |             |                       |                     |  |                    |

| Metrics Definitions and Actual Results Table D.2 / D.3 |                               |                 |  |                            |             |             |                       |                     |   |                    |
|--|-------------------------------|-----------------|--|----------------------------|-------------|-------------|-----------------------|---------------------|---|--------------------|
| Metric ID  | Metric Description            | Unit of Measure | Performance Measurement Category Mapping | Agency Baseline Capability | 2020 Target | 2021 Target | Measurement Condition | Reporting Frequency | Agency Strategic Objective / Agency Priority Goal | Is Metric Retired? |
| 29327  |                               |                 |  |                            | 29327       | 288733      | 80.000000             | 11/30/2019          |   |                    |
|  |                               |                 |  |                            | 29327       | 288732      | 89.000000             | 12/31/2020          |   |                    |
|  |                               |                 |  |                            | 29327       | 288731      | 91.000000             | 11/30/2020          |   |                    |
|  |                               |                 |  |                            | 29327       | 288730      | 85.000000             | 10/31/2020          |   |                    |
|  |                               |                 |  |                            | 29327       | 288729      | 84.000000             | 03/31/2020          |   |                    |
|  |                               |                 |  |                            | 29327       | 288728      | 87.000000             | 02/29/2020          |   |                    |
|  |                               |                 |  |                            | 29327       | 288727      | 93.000000             | 02/28/2021          |   |                    |
|  |                               |                 |  |                            | 29327       | 288726      | 98.000000             | 01/31/2021          |   |                    |
|  |                               |                 |  |                            | 29327       | 288725      | 86.000000             | 09/30/2020          |   |                    |
|  |                               |                 |  |                            | 29327       | 288724      | 86.000000             | 08/31/2020          |   |                    |
|  |                               |                 |  |                            | 29327       | 288723      | 82.000000             | 07/31/2020          |   |                    |
|  |                               |                 |  |                            | 29327       | 288722      | 81.000000             | 01/31/2020          |   |                    |
|  |                               |                 |  |                            | 29327       | 288721      | 89.000000             | 10/31/2019          |   |                    |
|  |                               |                 |  |                            | 29327       | 288720      | 94.000000             | 03/31/2021          |   |                    |
|  |                               |                 |  |                            | 29327       | 288719      | 90.000000             | 06/30/2020          |   |                    |
|  |                               |                 |  |                            | 29327       | 288718      | 91.000000             | 05/31/2020          |   |                    |
| 29326  | Percentage of population with | Percentage      | 1 - Customer Satisfaction                | 0.000000                   | 20.000000   | 20.000000   | Over target           | Semi-Annual         | 007SO18266 : Restore Military                     | No                 |



Metrics Definitions and Actual Results Table D.2 / D.3

| Metric ID | Metric Description | Unit of Measure | Performance Measurement Category Mapping | Agency Baseline Capability | 2020 Target | 2021 Target | Measurement Condition | Reporting Frequency | Agency Strategic Objective / Agency Priority Goal | Is Metric Retired? |
|-----------|--------------------|-----------------|--|----------------------------|-------------|-------------|-----------------------|---------------------|---|--------------------|
|-----------|--------------------|-----------------|--|----------------------------|-------------|-------------|-----------------------|---------------------|---|--------------------|

Joint Legacy View (JLV) access using JLV.

(Process Results)

Readiness to Build a More Lethal Force

| Metric ID | Actual Result ID | Actual Result | Date of Actual Result | Comment |
|-----------|------------------|---------------|-----------------------|---------|
| 29326     | 288717           | 37.500000     | 03/31/2020            |         |
| 29326     | 288716           | 36.000000     | 03/31/2021            |         |
| 29326     | 288715           | 35.500000     | 09/30/2020            |         |

|       |  |            |                           |          |            |            |             |        |  |    |
|-------|--|------------|---------------------------|----------|------------|------------|-------------|--------|--|----|
| 29103 | Align Operation and Maintenance (OM) DMIX funding obligations against OSD Benchmark for OM obligations. Target is 100% but SNaP-IT requires over under target is not applicable. Target is a static 100%. If target is less than 1005 then target is not met. Replaces other Financial Performance metric. | Percentage | 3 - Financial Performance | 0.000000 | 100.000000 | 100.000000 | Over target | Annual | 007SO18266 : Restore Military Readiness to Build a More Lethal Force | No |
|-------|--|------------|---------------------------|----------|------------|------------|-------------|--------|--|----|

| Metric ID | Actual Result ID | Actual Result | Date of Actual Result | Comment |
|-----------|------------------|---------------|-----------------------|---------|
| 29103     | 288714           | 100.000000    | 09/30/2020            |         |

Metrics Definitions and Actual Results Table D.2 / D.3

| Metric ID | Metric Description  | Unit of Measure | Performance Measurement Category Mapping | Agency Baseline Capability | 2020 Target | 2021 Target | Measurement Condition | Reporting Frequency | Agency Strategic Objective / Agency Priority Goal                    | Is Metric Retired? |
|-----------|---|-----------------|--|----------------------------|-------------|-------------|-----------------------|---------------------|--|--------------------|
| 26914     | DMIX sustainment activities are performed IAW the spend plan and life cycle cost estimate (LCCE) and are completed under the planned dollar amount for the FY. Target is in millions. | Dollar          | 3 - Financial Performance                | 0.000000                   |             |             | Under target          | Annual              | 007SO18266 : Restore Military Readiness to Build a More Lethal Force | No                 |

| Metric ID | Actual Result ID | Actual Result | Date of Actual Result | Comment |
|-----------|------------------|---------------|-----------------------|---------|
|-----------|------------------|---------------|-----------------------|---------|

NONE

|       |  |            |                                    |          |            |           |             |           |  |    |
|-------|--|------------|------------------------------------|----------|------------|-----------|-------------|-----------|--|----|
| 26913 | Software availability from an end user perspective not counting scheduled downtime as well as platform and network availability. | Percentage | 2 - Strategic and Business Results | 0.000000 | 100.000000 | 93.000000 | Over target | Quarterly | 007SO18266 : Restore Military Readiness to Build a More Lethal Force | No |
|-------|--|------------|------------------------------------|----------|------------|-----------|-------------|-----------|--|----|

| Metric ID | Actual Result ID | Actual Result | Date of Actual Result | Comment |
|-----------|------------------|---------------|-----------------------|---------|
|-----------|------------------|---------------|-----------------------|---------|

|       |        |           |            |  |
|-------|--------|-----------|------------|--|
| 26913 | 288713 | 98.700000 | 03/31/2021 |  |
|-------|--------|-----------|------------|--|

|       |        |           |            |  |
|-------|--------|-----------|------------|--|
| 26913 | 288712 | 99.390000 | 09/30/2020 |  |
|-------|--------|-----------|------------|--|

|       |        |           |            |                       |
|-------|--------|-----------|------------|-----------------------|
| 26913 | 288711 | 99.350000 | 03/31/2020 | DES: 100, JLV - 98.70 |
|-------|--------|-----------|------------|-----------------------|

|       |        |           |            |  |
|-------|--------|-----------|------------|--|
| 26913 | 288710 | 98.850000 | 12/31/2019 |  |
|-------|--------|-----------|------------|--|

Metrics Definitions and Actual Results Table D.2 / D.3

| Metric ID | Metric Description   | Unit of Measure | Performance Measurement Category Mapping | Agency Baseline Capability | 2020 Target | 2021 Target | Measurement Condition | Reporting Frequency | Agency Strategic Objective / Agency Priority Goal                    | Is Metric Retired? |
|-----------|--|-----------------|--|----------------------------|-------------|-------------|-----------------------|---------------------|--|--------------------|
|           |  |                 |  |                            | 26913       | 288709      | 98.830000             | 12/31/2020          |  |                    |
|           |  |                 |  |                            | 26913       | 288708      | 99.150000             | 06/30/2020          | 99.1 / 99.2 (DES / JLV)  |                    |
| 26912     | Retrieve patient-centric information pulled from disparate healthcare systems in real time for presentation in a browser in less than 2 minutes. | Percentage      | 2 - Strategic and Business Results       | 0.000000                   | 90.000000   |             | Over target           | Quarterly           | 007SO18266 : Restore Military Readiness to Build a More Lethal Force | No                 |
| Metric ID | Actual Result ID   | Actual Result   | Date of Actual Result                    | Comment                    |             |             |                       |                     |  |                    |

NONE

| 26911     | Develop an annual fiscal year Schedule that completes the incorporation of accepted functional requirements into the DMIX software baseline. After Schedule is baselined, ensure that the deviation from the baseline schedule does not deviate more than the annual target. | Percentage    | 2 - Strategic and Business Results | 0.000000 | 15.000000 |  | Under target | Monthly | 007SO18266 : Restore Military Readiness to Build a More Lethal Force | No |
|-----------|--|---------------|------------------------------------|----------|-----------|--|--------------|---------|--|----|
| Metric ID | Actual Result ID   | Actual Result | Date of Actual                     | Comment  |           |  |              |         |  |    |

Metrics Definitions and Actual Results Table D.2 / D.3

| Metric ID | Metric Description | Unit of Measure | Performance Measurement Category Mapping | Agency Baseline Capability | 2020 Target | 2021 Target | Measurement Condition | Reporting Frequency | Agency Strategic Objective / Agency Priority Goal | Is Metric Retired? |
|-----------|--------------------|-----------------|--|----------------------------|-------------|-------------|-----------------------|---------------------|---|--------------------|
|           |                    |                 |  |                            |             |             |                       | Result              |   |                    |

NONE

|       |  |            |   |          |           |  |             |             |  |    |
|-------|--|------------|---|----------|-----------|--|-------------|-------------|--|----|
| 26910 | Percentage of queried Joint Legacy Viewer (JLV) users who answer 'yes' to the question of 'Were you satisfied with your overall experience?' in the Interactive Customer Evaluation (ICE) tool. ICE is a web-based tool that collects feedback on services provided by various organizations throughout DoD. | Percentage | 1 - Customer Satisfaction (Process Results) | 0.000000 | 75.000000 |  | Over target | Semi-Annual | 007SO18266 : Restore Military Readiness to Build a More Lethal Force | No |
|-------|--|------------|---|----------|-----------|--|-------------|-------------|--|----|

| Metric ID | Actual Result ID | Actual Result | Date of Actual Result | Comment |
|-----------|------------------|---------------|-----------------------|---------|
|-----------|------------------|---------------|-----------------------|---------|

NONE