Business Case: Capital Asset Summary
Part I: Summary Information and Justification (All Capital Assets)

Section A: Overview & General Information

Date Investment First Submitted: 2009-06-30
Date of Last Change to Activities: 2020-11-27
Investment Auto Submission Date:
Date of Last Investment Detail Update: 2020-09-29
Date of Last Business Case Update: 2020-09-30
Date of Last Revision: 2021-08-31

Agency: 202 - U.S. Army Corps of Engineers   **Bureau:** 00 - Agency-Wide Activity

1. Name of this Investment: Civil Works Business Intelligence (CWBI)

2. Unique Investment Identifier (UII): 202-000001031

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):
       0: Not Applicable

     Agency Priority Goal(s):
       0: Not Applicable

2.   **Briefly describe the investment's return on investment, including benefits internal and external to the government and outcomes achieved or planned.**
      The primary benefit is the development and support for the Corps Civil Works Annual Budget to OMB and Congress. CWBI provides the data used in the development of the performance based budget which prioritizes all Corps projects and programs. CWBI provides a consolidated, integrated approach to business information using single access and web-based technology for results oriented management. The return on investment (ROI) calculated on the current number of users and current IT costs that are a combination of hard costs and soft cost measures that show improvement in customer service, productivity, decision support accuracy, all of which increases the ability to develop Civil Works business line budget justification. Examples of internal and external benefits are: 1) The full implementation of a nationwide, real-time lock operations module providing lock operations data for the private sector navigation shippers and carriers to schedule shipping more efficiently by using traffic information from the

Internet. This module also provides the Corps lock operators real-time knowledge of river traffic for scheduling and queuing, thus allowing them to better plan their time. 2) CWBI integrates with the National Recreation and Reservation System (NRRS) that is managed by the Forest Service and operated by the private sector. This integration meant that the Corps was able to eliminate the Corps internal reservation system and realize a cost savings. 3) The CWBI module of Lock Performance Monitoring System is a national system for managing both vessel traffic and water levels at the 200+ locks and dams within the USACE Navigation system nationwide. The hydrology module is being used to monitor the varying water levels on the Mississippi River. Real time lockage data is collected and provided to the USCG, the USDA and the public. 4) The USACE Regulatory data shares permit data on a real time basis with both EPA and the USFWS to increase awareness of Clean Water Act permit applications and the linkages with proposed wetland mitigation projects.

3. **If this investment will result in the elimination or the reduction of another major or non-major investment(s), please complete the following:**
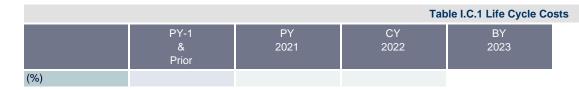
Table I.B.1 Affected Investment Information	
Investment UII	To Be Status
NONE	

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:**
Jon Soderberg

8. **Select the qualification/experience level of the Investment-level project manager (select one):**
7 - No certification, but with 4 or more years PM experience (within the last five years)

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 & Prior	PY 2021	CY 2022	BY 2023
Planning Costs:	0	0	0	0
DME (Excluding Planning) Costs:	0	0	$1.600000	$1.400000
DME (Including Planning) Govt. FTEs:	0	0	0	0
Sub-Total DME (including Internal Labor (Govt. FTE)):	0	0	$1.600000	$1.400000
O & M Costs:	$3.768000	$18.336000	$25.097000	$17.238000
O & M Internal Labor (Govt. FTE):	0	0	$1.200000	$1.200000
Sub-Total O & M Costs (Including Internal Labor (Govt. FTE)):	$3.768000	$18.336000	$26.297000	$18.438000
Total Cost (Including Internal Labor (Govt. FTE)):	$3.768000	$18.336000	$27.897000	$19.838000
Total Cost Internal Labor (Govt. FTE) costs:	0	0	$1.200000	$1.200000
# of FTE rep by costs:	0	0	16	16

Total change from prior year final President's Budget ($)		$18.336000	$27.897000	
Total change from prior year final President's Budget		0.00%	0.00%	

Table I.C.1 Life Cycle Costs				
	PY-1 & Prior	PY 2021	CY 2022	BY 2023
(%)				

2.

    a.   **In which year did or will this investment begin? (specify year - e.g., PY-1= 2019)**
       1996

    b.   **In which year will this investment reach the end of its estimated useful life? (specify year - e.g., FY+5 = 2027)**
       2025

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):**

Total FY20 CWBI funding will be slightly lower than in FY19. Total funding in FY20 will include only two funding sources: 1) O&M $13,520,000 2)User Fee $3,756,000. O&M is contained within a number of remaining items with attached J-sheets and involve work in multiple business lines within the Corps of Engineers. One of the past years' funded work items has been withdrawn; Performance Based Budget Support Prgm which was funded at $1,500,000 in FY19 has been zeroed out for FY20.

Business Case Detail: Performance Measurement Report

Section A1: General Information

1. **Name of this Investment:**   CIVIL WORKS BUSINESS INTELLIGENCE (CWBI)

2. **Unique Investment Identifier (UII):**   202-000001031

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?
E	LPMS Vessel Paradigm Redesign		10/01/2013	09/30/2016	$0.1	
G	CWBI Accreditation		10/01/2015	06/30/2016	$0.5	
H	RMF Accreditation		06/30/2016	08/17/2017	$1.0	
I	Navigation Data Viewer		10/01/2016	09/30/2017	$0.2	
J	National Flood Risk Characterization Tool (NFRCT)		10/01/2016	09/30/2017	$0.3	
K	USACE (CWBI) Data & Display Modernization Pilot		03/28/2017	12/31/2017	$1.2	
L	CWBI Server Location Consolidation		08/25/2017	09/28/2018	$0.1	
M	CWBI Operating Environment Simplification	Reduce 2 operating system baselines in 1HFY20 and 2 additional operating system baselines in 2HFY20.	08/25/2017	09/30/2020	$0.2	No
N	CWBI Web Service Publication	Publish a minimum of 2 new web services quarterly, and 10 new services by EOY CY20.	08/25/2017	09/30/2020	$0.5	No
P	CWBI Software Management		08/25/2017	03/15/2019	$0.1	
Q	CWBI Public Facing Services Uptime		07/03/2017	09/28/2018	$0.2	
R	CWBI Application Cloud Migration	Migrate additional application modules annually from premise to DISA approved cloud environment annually.	09/07/2017	09/30/2021	$4.0	No
O	CWBI Help Desk Inquiry Target		08/25/2017	10/25/2018	$0.2	
S	CWBI Common AppDev gmt. Environment	Develop common application development management repository architecture.	09/01/2018	09/30/2019	$0.1	
T	CWBI Database Table Simplification	Eliminate redundant tables and/or simplify table structure - Eliminate 10 database tables	09/01/2019	09/30/2020	$0.2	No

Projects Table C.1						
Unique Project ID	Project Name	Project Goal	Project Start Date	Project Completion Date	Project Lifecycle Cost ($M)	Software Project?
		in 1HFY20 and 10 additional database tables in 2HFY20.				

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
E	FY14 USACE-USCG design vessel web services	Design Master Vessel table procedure to validate vessels against USCG MISL and AVIS databases.	E.5.1FY14	2013-10-01	2013-10-01	2013-10-01	2014-03-31	2014-03-31	2014-03-31	0.002000	0.002000	0.001500
E	FY14 Software Updates and IAVA Patches	Application functionality verification following mandatory software and security patching.	E.1.5	2013-10-01	2013-10-01	2013-10-01	2014-03-31	2014-03-31	2014-03-31	0.001200	0.001200	0.001200
E	FY14 USACE-USCG review vessel web services	Review Master Vessel table procedure to validate vessels against USCG MISL and AVIS databases.	E.4.5	2013-10-01	2013-10-01	2013-10-01	2014-03-31	2014-03-31	2014-03-31	0.001900	0.001900	0.001500
E	FY14 NDC	Annual	E.2.1FY14	2014-02-01	2014-02-01	2014-02-03	2014-04-30	2014-04-30	2014-04-30	0.002000	0.002000	0.002000

				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
	Steering Committee	meeting with NDC navigation managers to discuss status and any changes to navigation policy related to vessel validation.										
E	FY14 Software Updates and IAVA Patches	Verification of application functionality following mandatory software and security patching.	E.1.2FY14	2014-04-01	2014-04-01	2014-04-01	2014-09-30	2014-09-30	2014-09-30	0.001200	0.001200	0.001200
E	POC Meeting 4th Qtr	Quarterly meeting with district representatives regarding status of vessel validation.	E.3.4FY14	2014-07-01	2014-07-01	2014-07-01	2014-09-30	2014-09-30	2014-09-30	0.001800	0.001800	0.001800
E	FY14 USACE-USCG design vessel web services	Design exception procedures for non-validated vessels.	E.5.2FY14	2014-04-01	2014-04-01	2014-04-01	2014-09-30	2014-09-30	2014-09-30	0.002000	0.002000	0.002000
E	FY14 Data Scrub Phase II	Move records from invalid vessels to correct vessel by scripts.	E.6.2FY14	2014-04-01	2014-04-01	2014-08-01	2014-09-30	2015-01-01	2015-01-01	0.008000	0.008000	0.008000
E	FY14 Sync with Local Vessel Table	Sync Local Vessel table, add new fields and resize existing fields that will sync	E.6.4	2014-04-01	2014-04-01	2014-04-01	2014-09-30	2014-09-30	2014-09-30	0.004000	0.004000	0.003900

				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
		with Master Table.										
E	FY14 USACE-USCG review vessel web services	eview exception procedures for non-validated vessels.	E.4.6	2014-04-01	2014-04-01	2014-04-01	2014-09-30	2014-09-30	2014-09-30	0.001900	0.001900	0.001900
E	POC Meeting FY15 1st Qtr	Quarterly meeting with district representatives regarding status of vessel validation.	E.3.1	2014-10-01	2014-10-01	2014-10-01	2014-12-31	2014-12-31	2014-12-31	0.001800	0.001800	0.001800
E	FY15 Software Updates and IAVA Patches	Application functionality verification following mandatory software and security patching.	E.1.1	2014-10-01	2014-10-01	2014-10-01	2015-03-31	2015-03-31	2015-03-31	0.001200	0.001200	0.001200
E	FY15 USACE-USCG review vessel web services	Review Master Vessel table procedure to validate vessels against USCG MISL and AVIS databases.	E.4.1	2014-10-01	2014-10-01	2014-10-01	2015-03-31	2015-03-31	2015-03-31	0.001900	0.001900	0.001900
E	POC Meeting FY15 2nd Qtr	Quarterly meeting with district representatives regarding status of vessel validation.	E.3.2	2015-01-01	2015-01-01	2015-01-01	2015-03-31	2015-03-31	2015-03-31	0.001800	0.001800	0.001800
E	FY15 USACE-USCG validate vessels via web services	Develop Master Vessel table procedure to	E.5.1	2014-10-01	2014-10-01	2014-10-01	2015-03-31	2015-03-31	2015-03-31	0.001500	0.001500	0.001500

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
		validate vessels against USCG MISL and AVIS databases.										
E	FY15 Data Scrub Phase III	Manually identify incorrect/correct vessels and manually detach from wrong vessel.	E.6.5	2014-10-01	2014-10-01	2014-10-01	2015-03-31	2015-03-31	2015-03-31	0.002000	0.002000	0.002000
E	POC Meeting FY15 3rd Qtr	Quarterly meeting with district representatives regarding status of vessel validation.	E.3.3	2015-04-01	2015-04-01	2015-04-01	2015-06-30	2015-06-30	2015-06-30	0.001800	0.001800	0.001800
E	FY15 Annual NDC Navigation Managers Steering Committee	Annual meeting with NDC navigation managers to discuss status and any changes to navigation policy related to vessel validation.	E.2.1	2015-02-02	2015-02-02	2015-02-02	2015-08-31	2015-08-31	2015-08-31	0.002000	0.002000	0.002000
E	FY15 USACE-USCG review vessel web services	eview exception procedures for non-validated vessels.	E.4.2	2015-04-01	2015-04-01	2015-04-01	2015-09-30	2015-09-30	2015-09-30	0.001900	0.001900	0.001900
E	FY15 Software Upgrades and IAVA Patches	Verification of application functionality following mandatory software and	E.1.2	2015-04-01	2015-04-01	2015-04-01	2015-09-30	2015-09-30	2015-09-30	0.001200	0.001200	0.001200

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
		Project Activity Table C.2.1										
		security patching.										
E	POC Meeting FY15 4th Qtr	Quarterly meeting with district representatives regarding status of vessel validation.	E.3.4	2015-07-01	2015-07-01	2015-07-01	2015-09-30	2015-09-30	2015-09-30	0.001800	0.001800	0.001800
E	FY15 USACE-USCG Interagency service agreement executed.	Renew Interagency Service Agreement (ISA) for 3yr term	E.5.2	2015-04-01	2015-04-01	2015-04-01	2015-09-30	2015-09-30	2015-09-30	0.002000	0.002000	0.002000
E	FY15 Develop vessel update web service	Develop web service to update all vessels from USCG nightly and push to local table.	E.6.1	2015-04-01	2015-04-01	2015-04-01	2015-09-30	2015-09-30	2015-09-30	0.003000	0.003000	0.003000
G	Continuity	Review or modify Table Top exercise.	G.1.2	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000020	0.000020	0.000020
G	Continuity	Develop COOP .	G.1.1	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000020	0.000020	0.000020
G	Security Design & Config	PKI, Config Mgmt, IA Plan, User Roles, PIA/PII, Software Dev Plan, STIGs, Security Plan	G.1.3	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000008	0.000008	0.000008
G	Security Design & Config	Develop Security Plan	G.1.4	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000008	0.000008	0.000008
G	CWBI Accreditation	Enclave & Computing Environment	G.1.9	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000040	0.000040	0.000040

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
		Hardware, Software, Ports, DNS, HBSS, VPN, Active Directory, Firewall, Encryption, DAR, DIT, ACE-IT MOA, Change Control										
G	Identification and Authentification	CAC, Passwords, UPASS	G.1.12	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000040	0.000040	0.000040
G	Architecture	Topology diagrams, AV1, AV2, OV2, OV3, OV4, SV1	G.1.15	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000040	0.000040	0.000040
G	Life Cycle Plans	Acquisition Strategy, Operations Plan, Risk Management Plan, Data Management Plan, Quality Assurance Pla	G.1.18	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000040	0.000040	0.000040
G	Security Design & Config	IA Documentation and Letter of Appointment	G.1.5	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000008	0.000008	0.000008
G	Security Design & Config	PIA/PII Impact Assessment Plan	G.1.6	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000008	0.000008	0.000008
G	Security Design & Config	Configuration Management Plan (incl Change Control)	G.1.8	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000008	0.000008	0.000008

					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
G	Security Design & Config	DA Software Development Document and STIG Standards.	G.1.7	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000008	0.000008	0.000008
G	Enclave & Computing Environment	Infrastructure - Hardware, Software, Ports, DNS, HBSS, VPN, Active Directory, Firewall	G.1.10	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000020	0.000020	0.000020
G	Enclave & Computing Environment	Encryption, DAR, DIT	G.1.11	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000020	0.000020	0.000020
G	Identification and Authentification	Assemble documentation by ACE-IT for ID and Auth.	G.1.13	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000020	0.000020	0.000020
G	Identification and Authentification	Account Mgmt Process document for account controls, group auth, individual ID and Auth.	G.1.14	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000020	0.000020	0.000020
G	Architecture	CWBI AccreditationDISA Standard topology diagram	G.1.16	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000020	0.000020	0.000020
G	Architecture	ACART, BEA-BPR, other diagrams	G.1.17	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000020	0.000020	0.000020
G	Life Cycle Plans	Acquisition Strategy, Operations Plan, Data Management Plan	G.1.19	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000020	0.000020	0.000020

				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
G	Life Cycle Plans	Risk Management Plan, Quality Assurance Plan	G.1.20	2015-10-01	2015-10-01	2015-10-01	2015-12-01	2015-12-01	2015-12-01	0.000020	0.000020	0.000020
E	POC Meeting FY16 1st Qtr	Quarterly meeting with district representatives regarding status of vessel validation.	E.3.5	2015-10-01	2015-10-01	2015-10-01	2015-12-31	2015-12-31	2015-12-31	0.001800	0.001800	0.001800
E	FY16 Software Updates and IAVA Patches	Application functionality verification following mandatory software and security patching.	E.1.3	2015-10-01	2015-10-01	2015-10-01	2016-03-31	2016-03-31	2016-03-31	0.001200	0.001200	0.001200
E	POC Meeting FY16 2nd Qtr	Quarterly meeting with district representatives regarding status of vessel validation.	E.3.6	2016-01-01	2016-01-01	2016-01-01	2016-03-31	2016-03-31	2016-03-31	0.001800	0.001800	0.001800
E	FY16 USACE-USCG review vessel web services	Review Master Vessel table procedure to validate vessels against USCG MISL and AVIS databases.	E.4.3	2015-10-01	2015-10-01	2015-10-01	2016-03-31	2016-03-31	2016-03-31	0.001900	0.001900	0.001900
E	FY16 USACE-USCG validate vessels via web services	Test Master Vessel table procedures to validate vessels against USCG MISL	E.5.3	2015-10-01	2015-10-01	2015-10-01	2016-03-31	2016-03-31	2016-03-31	0.001500	0.001500	0.001500

							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
		and AVIS databases.										
E	FY16 Develop local vessel table update procedure	Develop and test internal M to L update procedure for all vessels In the Master to local table.	E.6.2	2015-10-01	2015-10-01	2015-10-01	2016-03-31	2016-03-31	2016-03-31	0.001500	0.001500	0.001500
E	POC Meeting FY16 3rd Qtr	Quarterly meeting with district representatives regarding status of vessel validation.	E.3.7	2016-04-01	2016-04-01	2016-04-01	2016-06-30	2016-06-30	2016-06-30	0.001800	0.001800	0.001800
G	Other	RMF documentation, Compliance Review (GAD), Target Architecture, Migration	G.1.21	2016-01-01	2016-01-01	2016-01-01	2016-06-30	2016-06-30	2016-06-30	0.000024	0.000024	0.000024
G	Other	Annual Compliance Review (GAD)	G.1.22	2016-01-01	2016-01-01	2016-01-01	2016-06-30	2016-06-30	2016-06-30	0.000008	0.000008	0.000008
G	Other	Target Architecture	G.1.23	2016-01-01	2016-01-01	2016-01-01	2016-06-30	2016-06-30	2016-06-30	0.000008	0.000008	0.000008
G	Other	RMF Artifacts	G.1.24	2016-01-01	2016-01-01	2016-01-01	2016-06-30	2016-06-30	2016-06-30	0.000008	0.000008	0.000008
E	FY16 Annual NDC Navigation Managers Steering Committee	Annual meeting with NDC navigation managers to discuss status and any changes to navigation policy related to vessel validation.	E.2.2	2016-02-02	2016-02-02	2016-02-02	2016-08-31	2016-08-31	2016-08-31	0.002000	0.002000	0.002000

						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
E	FY16 Software Upgrades and IAVA Patches	Verification of application functionality following mandatory software and security patching.	E.1.4	2016-04-01	2016-04-01	2016-04-01	2016-09-30	2016-09-30	2016-09-30	0.001200	0.001200	0.001200
E	POC Meeting FY16 4th Qtr	Quarterly meeting with district representatives regarding status of vessel validation.	E.3.8	2016-07-01	2016-07-01	2016-07-01	2016-09-30	2016-09-30	2016-09-30	0.001800	0.001800	0.001800
E	FY16 USACE-USCG review vessel web services	eview exception procedures for non-validated vessels.	E.4.4	2016-04-01	2016-04-01	2016-04-01	2016-09-30	2016-09-30	2016-09-30	0.001900	0.001900	0.001900
E	FY16 USACE-USCG test vessel web services	Test exception procedures for non-validated vessels.	E.5.4	2016-04-01	2016-04-01	2016-04-01	2016-09-30	2016-09-30	2016-09-30	0.001500	0.001500	0.001500
E	FY16 Test end to end table update procedures	Test internal M to L update procedure for all vessels In the Master to local table.	E.6.6	2016-04-01	2016-04-01	2016-04-01	2016-09-30	2016-09-30	2016-09-30	0.002000	0.002000	0.002000
H	Continuity	Develop new POA&M	H.1.1	2016-10-05	2016-10-05	2016-10-05	2016-10-31	2016-10-31	2016-10-31	0.005000	0.005000	0.005000
H	SCA-V Prep	Review prep tasks completed: IS registration in eMASS; Secure Authorizing Official (AO) concurrence	H.7.1	2016-10-05	2016-10-05	2016-10-05	2016-10-31	2016-10-31	2016-10-31	0.005000	0.005000	0.005000

						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
		memorandum for Confidentiality, Integrity, and Availability (CIA) and uploaded in eMASS; Select the USACE ERDC SCA-V Team in Netcom Bidtracker; Add the USACE ERDC SCA-V Team to the IS eMASS record.										
I	Deploy to Cloud Environment	Deploy NDV to CWBI Cloud Environment for Evaluation	I.1.5	2016-10-31	2016-10-31	2016-10-31	2016-10-31	2016-10-31	2016-10-31	0.017000	0.017000	0.017000
J	Run Sea Level Rise	Run GIS-based models to evaluate impacts of SLR on buildings and people	J.6.1	2016-10-03	2016-10-03	2016-10-03	2016-10-31	2016-10-31	2016-10-31	0.020000	0.020000	0.020000
J	Compile SLR Results	Compile Sea Level Rise impact/risk results by HUC watersheds, counties and USACE Districts	J.6.2	2016-10-03	2016-10-03	2016-10-03	2016-10-31	2016-10-31	2016-10-31	0.012000	0.012000	0.012000
J	Transfer to Corps Server	Transfer NFRCT Oracle Database and Interface programs to CRREL Server behind Corps	J.1.5	2016-10-31	2016-10-31	2016-10-31	2016-11-01	2016-11-01	2016-11-01	0.003000	0.003000	0.003000

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
		firewall										
J	CWBIUSC 2.1	Bi-annual CWBIUSC meeting of business line managers to discuss status and any changes to policies.	J.2.1	2016-11-01	2016-11-01	2016-11-01	2016-11-01	2016-11-01	2016-11-01	0.001000	0.001000	0.001000
I	CWBIUSC 2.1	Bi-annual CWBIUSC meeting of business line managers to discuss status and any changes to policies.	I.2.1	2016-11-01	2016-11-01	2016-11-01	2016-11-03	2016-11-03	2016-11-03	0.001000	0.001000	0.001000
I	Meetings/Webinars I4.1	Meetings and webinars with USACE subject matter experts regarding revised methodology to integrate additional navigation data	I.4.1	2016-11-07	2016-11-07	2016-11-07	2016-11-07	2016-11-07	2016-11-07	0.005000	0.005000	0.005000
I	REST API	Publish NDV REST API specification	I.5.2	2016-10-03	2016-10-03	2016-10-03	2016-11-07	2016-11-07	2016-11-07	0.027000	0.027000	0.027000
J	Meetings/Webinars 4.1	Meetings and webinars for IWR and other USACE staff to test/evaluate the NFRCT	J.4.1	2016-11-07	2016-11-07	2016-11-07	2016-11-07	2016-11-07	2016-11-07	0.005000	0.005000	0.005000
J	Update User Interface	Update the NFRCT User Interface based	J.5	2016-10-03	2016-10-03	2016-10-03	2016-11-07	2016-11-07	2016-11-07	0.014000	0.014000	0.014000

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
		on initial customer reviews and to accommodate USACE levee data										
J	Update NFRCT Tool	Code update user interface	J.5.1	2016-10-03	2016-10-03	2016-10-03	2016-11-07	2016-11-07	2016-11-07	0.014000	0.014000	0.014000
H	SCA-V Self-assessment	Complete a comprehensive self-assessment no later than thirty (30) days prior to the USACE ERDC SCA-V Cybersecurity Professional Team arriving on-site, with all controls will be submitted to the 2nd level of Control Approval Chain (CAC).	H.7.2	2016-10-05	2016-10-05	2016-10-05	2016-11-09	2016-11-09	2016-11-09	0.005000	0.005000	0.005000
H	SCA-V eMASS Document Review	Review that the following documentary evidence is within eMASS: 1. System Security Plan (SSP) 2. Configuration Control Board (CCB) Charter and Meeting Minutes 3. Disaster Recovery Plan (DRP) 4. Continuity of	H.7.3	2016-10-05	2016-10-05	2016-10-05	2016-11-09	2016-11-09	2016-11-09	0.010000	0.010000	0.010000

						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
		Operations Plan (COOP), Contingency Plan 5. Incident Response Plan (IRP) 6. Information System Security Policy/Plan 7. Physical Security Plan 8. Acceptable Use Policy (AUP) 9. System design documentation, system architecture, functional architecture, and system interfaces. The functional architecture 6 10. Logical diagram 11. Network diagram 12. Data flows (PPS) 13. External interfaces 14. Type of data exchange 15. Protection mechanism(s), to include type of encryption 16. Firewall rules 17.Hardware and Software inventory lists 1										

						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
		8.Memorandums of Agreement/Understanding (MOA/MOU), Service Level Agreements (SLA) 19.Authenticated scans										
J	Meetings/Webinars 4.2	Meetings and webinars with USACE subject matter experts regarding revised methodology to integrate Levee data	J.4.2	2016-11-15	2016-11-15	2016-11-18	2016-11-16	2016-11-16	2016-11-18	0.006500	0.006500	0.005000
H	Continuity	Review and modify COOP ncluding Table Top exercise.	H.1.3	2016-10-05	2016-10-05	2016-10-05	2016-11-30	2016-11-30	2016-11-30	0.005000	0.005000	0.005000
I	Meetings/Webinars I4.2	Meetings and webinars for IWR and other USACE staff to test/evaluate the NDV	I.4.2	2016-12-07	2016-12-07	2016-12-07	2016-12-07	2016-12-07	2016-12-07	0.005000	0.005000	0.005000
H	Continuity	Migrate all DIACAP artifacts to RMF via eMASS	H.1	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.015000	0.015000	0.015000
H	Continuity	Controls validation	H.1.2	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.005000	0.005000	0.005000
H	Security Design & Config	PKI, Config Mgmt, IA Plan, User Roles, PIA/PII, Software Dev Plan, STIGs,	H.2	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.022000	0.022000	0.022000

						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
		Security Plan										
H	Security Design & Config	Develop Security Plan	H.2.1	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.005000	0.005000	0.005000
H	Security Design & Config	IA Documentation and Letter of Appointment	H.2.2	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.002000	0.002000	0.002000
H	Security Design & Config	PIA/PII Impact Assessment Plan	H.2.3	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.005000	0.005000	0.005000
H	Security Design & Config	DA Software Development Document and STIG Standards.	H.2.4	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.005000	0.005000	0.005000
H	Security Design & Config	Configuration Management Plan (incl Change Control)	H.2.5	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.005000	0.005000	0.005000
H	Enclave & Computing Environment	Enclave & Computing Environment Hardware, Software, Ports, DNS, HBSS, VPN, Active Directory, Firewall, Encryption, DAR, DIT, ACE-IT MOA, Change Control	H.3	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.015000	0.015000	0.015000
H	Enclave & Computing Environment	Infrastructure - Hardware, Software, Ports, DNS, HBSS, VPN,	H.3.1	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.010000	0.010000	0.010000

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
		Active Directory, Firewall										
H	Enclave & Computing Environment	Encryption, DAR, DIT	H.3.2	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.005000	0.005000	0.005000
H	Identification and Authentification	CAC, Passwords, UPASS	H.4	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.009000	0.009000	0.009000
H	Identification and Authentification	Assemble documentation by ACE-IT for ID and Auth.	H.4.1	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.005000	0.005000	0.005000
H	Identification and Authentification	Account Mgmt Process document for account controls, group auth, individual ID and Auth.	H.4.2	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.004000	0.004000	0.004000
H	Architecture	Diagrams, AV1, AV2, OV2, OV3, OV4, SV1, topology, network with boundaries and zones.	H.5	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.030000	0.030000	0.030000
H	Architecture	CWBI Accreditation, DISA Standard topology diagram	H.5.1	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.015000	0.015000	0.015000
H	Architecture	ACART, BEA-BPR, other diagrams	H.5.2	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.015000	0.015000	0.015000
H	Life Cycle Plans	Acquisition Strategy, Operations Plan, Risk	H.6	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.020000	0.020000	0.020000

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
		Management Plan, Data Management Plan, Quality Assurance Plan										
H	Life Cycle Plans	Acquisition Strategy, Operations Plan, Data Management Plan	H.6.1	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.010000	0.010000	0.010000
H	Life Cycle Plans	Risk Management Plan, Quality Assurance Plan	H.6.2	2016-10-05	2016-10-05	2016-10-05	2016-12-09	2016-12-09	2016-12-09	0.010000	0.010000	0.010000
H	SCA-V Audit Briefings	In addition to any meetings the following briefings must be attended during the audit: Technical Readiness Review (TRR) (30 days before) The initial day on-site, In-Brief A daily Hot-Wash is an informal gathering to review any significant events of the day and/or address any necessary schedule adjustments. The final day	H.7.4	2016-11-09	2016-11-09	2016-11-09	2016-12-16	2016-12-16	2016-12-16	0.005000	0.005000	0.005000

							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
		on-site, an Out-Brief to address preliminary observations identified during the effort.										
H	SCA-V Pre-Assessment Event	SCA-V on site audit	H.7.5	2016-12-12	2016-12-12	2016-12-12	2016-12-16	2016-12-16	2016-12-16	0.040000	0.040000	0.040000
I	Software Updates and IAVA Patches 1.1	Application functionality verification following mandatory software and security patching.	I.1.1	2016-12-17	2016-12-17	2016-12-17	2016-12-18	2016-12-18	2016-12-18	0.002500	0.002500	0.002500
J	Software Updates and IAVA Patches J1.1	Application functionality verification following mandatory software and security patching.	J.1.1	2017-01-21	2017-01-21	2017-01-21	2017-01-22	2017-01-22	2017-01-22	0.000500	0.000500	0.000500
J	Customer Review	Meeting with users to validate data quality and user experience requirements.	J.4	2016-11-07	2016-11-07	2016-11-07	2017-01-24	2017-01-24	2017-01-24	0.012000	0.012000	0.010500
J	Meetings/Webinars 4.3	Meetings and webinars for IWR and other USACE staff to test/evaluate the NFRCT	J.4.3	2017-01-24	2017-01-24	2017-01-24	2017-01-24	2017-01-24	2017-01-24	0.000500	0.000500	0.000500
J	Data	Run GIS-based	J.6	2016-10-03	2016-10-03	2016-10-03	2017-01-27	2017-01-27	2017-01-27	0.102000	0.102000	0.102000

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
	Integration	models to build data sets for use with NFRCT										
J	Integrate USACE Levee Data 6.3	Compare USACE Levee Screening Tool and NFRCT results and integrate the datasets to create a more comprehensive risk characterizatio n	J.6.3	2016-11-17	2016-11-17	2016-11-17	2017-01-27	2017-01-27	2017-01-27	0.035000	0.035000	0.035000
J	Integrate USACE Levee Data 6.4	Compare USACE Levee Screening Tool and NFRCT results and integrate the datasets to create a more comprehensive risk characterizatio n	J.6.4	2016-11-17	2016-11-17	2016-11-17	2017-01-27	2017-01-27	2017-01-27	0.035000	0.035000	0.035000
I	Customer Review	Meeting with users to validate data quality and user experience requirements.	I.4	2016-11-07	2016-11-07	2016-11-07	2017-03-06	2017-03-06	2017-03-06	0.015000	0.015000	0.015000
I	Meetings/Webi nars I4.3	Meetings and webinars for IWR and other USACE staff to test/evaluate the NDV	I.4.3	2017-03-06	2017-03-06	2017-03-06	2017-03-06	2017-03-06	2017-03-06	0.005000	0.005000	0.005000
H	Pre-	Review pre-	H.7.6	2017-01-16	2017-01-16	2017-01-16	2017-03-10	2017-03-10	2017-03-10	0.020000	0.020000	0.020000

				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
	Assessment Findings	assessment findings and remediate as necessary										
H	SCA-V Assessment & Audit	Comprehensive assessments of the management, operational, and technical security controls employed within or inherited by the CWBI information system to determine the overall effectiveness of the controls (i.e., the extent to which the controls are implemented correctly, operating as intended, and producing the desired outcome with respect to meeting the security requirements for the system.	H.7	2016-10-05	2016-10-05	2016-10-05	2017-03-17	2017-03-17	2017-03-17	0.175000	0.175000	0.175000
H	Assessment Event	SCA-V Assessment event	H.7.7	2017-03-13	2017-03-13	2017-03-13	2017-03-17	2017-03-17	2017-03-17	0.090000	0.090000	0.090000
I	Software Updates and IAVA Patches	Application functionality verification	I.1.2	2017-03-18	2017-03-18	2017-03-18	2017-03-19	2017-03-19	2017-03-19	0.002500	0.002500	0.002500

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
	1.2	following mandatory software and security patching.										
H	Review SAR	Review Security Assessment Report (SAR)	H.8.1	2017-03-20	2017-03-20	2017-03-20	2017-03-24	2017-03-24	2017-03-24	0.005000	0.005000	0.005000
J	Software Updates and IAVA Patches J1.2	Application functionality verification following mandatory software and security patching.	J.1.2	2017-03-25	2017-03-25	2017-03-25	2017-03-26	2017-03-26	2017-03-26	0.000500	0.000500	0.000500
H	Remediation Actions	Conduct remediation actions and update POA&M	H.8.2	2017-03-27	2017-03-27	2017-03-27	2017-03-31	2017-03-31	2017-03-31	0.010000	0.010000	0.010000
I	Web Services	Update NDV Web Services	I.5.1	2017-01-02	2017-01-02	2017-01-02	2017-03-31	2017-03-31	2017-03-31	0.035000	0.035000	0.035000
H	Assess Audit Findings	Review Security Assessment Report (SAR) Conduct remediation actions Update POA&M Review Security Authorization Package to include Security Plan, SAR, POA&M	H.8	2017-03-20	2017-03-20	2017-03-20	2017-04-07	2017-04-07	2017-04-07	0.030000	0.030000	0.030000
H	Review Security Auth	Review Security	H.8.3	2017-04-03	2017-04-03	2017-04-03	2017-04-07	2017-04-07	2017-04-07	0.015000	0.015000	0.015000

						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
	Pkg	Authorization Package to include Security Plan, SAR, POA&M										
H	Post Assessment Event	Determine impact of any changes to CWBI and environment Assess selected controls Update POA&M, Security Plan and SAR as needed	H.9	2017-04-10	2017-04-10	2017-04-10	2017-04-14	2017-04-14	2017-04-14	0.015000	0.015000	0.015000
H	Impact Assessment	Determine impact of any changes to CWBI and environment	H.9.1	2017-04-10	2017-04-10	2017-04-10	2017-04-14	2017-04-14	2017-04-14	0.005000	0.005000	0.005000
H	Control Assessment	Assess selected controls and update POA&M, Security Plan and SAR as needed	H.9.2	2017-04-10	2017-04-10	2017-04-10	2017-04-14	2017-04-14	2017-04-14	0.010000	0.010000	0.010000
H	eMASS Review	Review all eMASS documentation	H.10.1	2017-04-17	2017-04-17	2017-04-17	2017-04-21	2017-04-21	2017-04-21	0.010000	0.010000	0.010000
H	Analysis & SCA-V Documentation	Review all eMASS documentation, recommedations and AO decision.	H.10	2017-04-17	2017-04-17	2017-04-17	2017-04-28	2017-04-28	2017-04-28	0.020000	0.020000	0.020000
H	Final Review	Review recom	H.10.2	2017-04-24	2017-04-24	2017-04-24	2017-04-28	2017-04-28	2017-04-28	0.010000	0.010000	0.010000

				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
		mendations and AO decision										
J	Risk Management	Annual review and risk mgmt plan update.	J.2	2016-11-01	2016-11-01	2016-11-01	2017-05-01	2017-05-01	2017-05-05	0.002000	0.002000	0.002000
J	CWBIUSC 2.2	Bi-annual CWBIUSC meeting of business line managers to discuss status and any changes to policies.	J.2.2	2017-05-01	2017-05-01	2017-05-01	2017-05-01	2017-05-01	2017-05-05	0.001000	0.001000	0.001000
I	Risk Management	Annual review and risk mgmt plan update.	I.2	2016-11-01	2016-11-01	2016-11-01	2017-05-04	2017-05-04	2017-05-26	0.002000	0.002000	0.002000
I	CWBIUSC 2.2	Bi-annual CWBIUSC meeting of business line managers to discuss status and any changes to policies.	I.2.2	2017-05-02	2017-05-02	2017-05-15	2017-05-04	2017-05-04	2017-05-26	0.001000	0.001000	0.001000
I	Software Updates and IAVA Patches 1.3	Application functionality verification following mandatory software and security patching.	I.1.3	2017-06-24	2017-06-24	2017-06-12	2017-06-25	2017-06-25	2017-06-23	0.002500	0.002500	0.002250
J	Software Updates and IAVA Patches J1.3	Application functionality verification following mandatory software and	J.1.3	2017-06-24	2017-06-24	2017-06-24	2017-06-25	2017-06-25	2017-06-25	0.000500	0.000500	0.000500

					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
		security patching.										
I	Operational Analysis	Annual review of Ops plan and update for operational management.	I.3	2017-06-01	2017-06-01	2017-06-12	2017-06-30	2017-06-30	2017-06-15	0.003500	0.003500	0.002500
I	Update Ops Plan	Review and update annual Ops Plan for CIO Compliance Review (GAD)	I.3.1	2017-06-01	2017-06-01	2017-06-12	2017-06-30	2017-06-30	2017-06-15	0.003500	0.003500	0.002500
J	Operational Analysis	Annual review of Ops plan and update for operational management.	J.3	2017-06-01	2017-06-01	2017-06-05	2017-06-30	2017-06-30	2017-06-30	0.002000	0.002000	0.002000
J	Update Ops Plan	Review and update annual Ops Plan for CIO Compliance Review (GAD)	J.3.1	2017-06-01	2017-06-01	2017-06-05	2017-06-30	2017-06-30	2017-06-30	0.002000	0.002000	0.002000
K	Cloud Test Environment Configuration	Configuring the cloud host; testing & verifying Navigation Data Improvements and the National Levee Database modules operability within the cloud host.	K.1	2017-03-28	2017-03-28	2017-03-28	2017-06-30	2017-06-30	2017-07-07	0.200000	0.200000	0.200000
I	eGov Initiative & Web Services	Implement websites and services	I.5	2016-10-03	2016-10-03	2016-10-03	2017-07-31	2017-07-31	2017-08-24	0.145000	0.145000	0.145000

					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
I	Visualization tools for NDV	Update visualization tools for NDV	I.5.3	2017-03-01	2017-03-01	2017-03-01	2017-07-31	2017-07-31	2017-08-24	0.083000	0.083000	0.083000
K	RMF Assessment	Obtain authorization for cloud deployment of CWBI modules.	K.2	2017-05-01	2017-05-01	2017-05-05	2017-07-31	2017-07-31	2017-08-17	0.400000	0.400000	0.400000
I	Security	Security annual reviews, software upgrades and certificate validation.	I.1	2016-10-31	2016-10-31	2016-10-31	2017-08-13	2017-08-13	2017-08-20	0.027000	0.027000	0.026750
I	Software Updates and IAVA Patches 1.4	Application functionality verification following mandatory software and security patching.	I.1.4	2017-08-12	2017-08-12	2017-08-12	2017-08-13	2017-08-13	2017-08-20	0.002500	0.002500	0.002500
J	Security	Security annual reviews, software upgrades and certificate validation.	J.1	2016-10-31	2016-10-31	2016-10-31	2017-08-13	2017-08-13	2017-08-13	0.005000	0.005000	0.005000
J	Software Updates and IAVA Patches J1.4	Application functionality verification following mandatory software and security patching.	J.1.4	2017-08-12	2017-08-12	2017-08-12	2017-08-13	2017-08-13	2017-08-13	0.000500	0.000500	0.000500
H	NETCOM Adjudication	Modifications to any documents submitted in	H.11	2017-05-01	2017-05-01	2017-05-01	2017-08-17	2017-08-17	2017-08-19	0.015000	0.015000	0.015000

					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
		order to secure NETCOM approval.										
H	Modifications	Any modifications to submitted documents until NETCOM approval secured.	H.11.1	2017-05-01	2017-05-01	2017-05-01	2017-08-17	2017-08-17	2017-08-19	0.015000	0.015000	0.015000
K	Production Application Deployment	Actual deployment of selected CWBI modules into the cloud host; includes code refactoring of modules for cloud compatibility.	K.3	2017-08-01	2017-08-01	2017-08-01	2017-09-30	2017-09-30	2017-09-30	0.400000	0.400000	0.400000
K	Decommission Legacy Applications	Retirement of several legacy data display systems within the Navigation and Flood Risk Management programs.	K.4	2017-09-01	2017-09-01	2017-09-01	2017-12-31	2017-12-31	2017-11-13	0.200000	0.200000	0.200000
L	CWBI Server Location Consolidation Part 1	Reduce 1 datacenter locater in 1st half FY and 1 location in 2nd half FY.	L.1	2017-08-25	2017-08-25	2017-08-25	2018-01-24	2018-01-24	2018-01-26	0.035000	0.035000	0.033000
M	CWBI Operating Environment Simplification Part 1	Reduce 3 operating system baselines in 3QFY18 and 3 additional operating system	M.1	2017-08-28	2017-08-28	2017-08-28	2018-01-27	2018-01-27	2018-01-26	0.035000	0.035000	0.034800

								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
		baselines in 4QFY18.										
P	CWBI Software Management Part 1	Consolidate to a single code/documented/issue tracking system across all modules.	P.1	2017-09-12	2017-09-12	2017-08-25	2018-01-27	2018-01-27	2018-01-26	0.035000	0.035000	0.032750
Q	CWBI Public Facing Services Uptime Part 1	The percent of uptime public facing services are available.	Q.1	2017-08-01	2017-08-01	2017-08-01	2018-01-27	2018-01-27	2018-01-26	0.080000	0.080000	0.076780
O	CWBI Help Desk Inquiry Target Part 1	Maintain the number of help desk inquiries to less than 100 monthly.	O.1	2017-08-28	2017-08-28	2017-08-28	2018-01-27	2018-01-27	2018-01-26	0.070000	0.070000	0.078230
R	CWBI Cloud Migration Part 1	Migrate 6 application modules from premise to DISA approved cloud environment annually.	R.1	2017-09-07	2017-09-07	2017-09-07	2018-02-06	2018-02-06	2018-02-15	0.350000	0.350000	0.332000
N	CWBI Web Service Publication Part 1	Publish a minimum of 2 new web services quarterly, and 10 new services by EOY CY18.	N.1	2017-08-28	2017-08-28	2017-08-28	2018-02-27	2018-02-27	2018-03-03	0.090000	0.090000	0.078000
L	CWBI Server Location Consolidation Part 2	Reduce 1 datacenter locater in 1st half FY and 1 location in 2nd half FY.	L.2	2018-01-25	2018-01-25	2018-02-01	2018-05-24	2018-05-24	2018-05-21	0.035000	0.035000	0.034700
O	CWBI Help Desk Inquiry	Maintain the number of help	O.2	2018-01-28	2018-01-28	2018-01-26	2018-05-27	2018-05-27	2018-05-24	0.070000	0.070000	0.068300

						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
	Target Part 2	desk inquiries to less than 100 monthly.										
M	CWBI Operating Environment Simplification Part 2	Reduce 3 operating system baselines in 3QFY18 and 3 additional operating system baselines in 4QFY18.	M.2	2018-01-28	2018-01-28	2018-02-01	2018-05-27	2018-05-27	2018-05-21	0.035000	0.035000	0.032100
P	CWBI Software Management Part 2	Consolidate to a single code/documented/issue tracking system across all modules.	P.2	2018-01-28	2018-01-28	2018-01-29	2018-05-27	2018-05-27	2018-05-21	0.035000	0.035000	0.030900
Q	CWBI Public Facing Services Uptime Part 2	The percent of uptime public facing services are available.	Q.2	2018-01-28	2018-01-28	2018-01-26	2018-05-27	2018-05-27	2018-05-22	0.060000	0.060000	0.057500
R	CWBI Cloud Migration Part 2	Migrate 6 application modules from premise to DISA approved cloud environment annually.	R.2	2018-02-07	2018-02-07	2018-03-01	2018-07-06	2018-07-06	2018-07-08	0.350000	0.350000	0.324750
N	CWBI Web Service Publication Part 2	Publish a minimum of 2 new web services quarterly, and 10 new services by EOY CY18.	N.2	2018-02-28	2018-02-28	2018-03-01	2018-08-27	2018-08-27	2018-08-31	0.090000	0.090000	0.087500
O	CWBI Help Desk Inquiry	Maintain the number of help	O.3	2018-05-28	2018-05-28	2018-06-04	2018-09-28	2018-09-28	2018-09-28	0.060000	0.060000	0.059400

						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
	Target Part 3	desk inquiries to less than 100 monthly.										
L	CWBI Server Location Consolidation Part 3	Reduce 1 datacenter locater in 1st half FY and 1 location in 2nd half FY.	L.3	2018-05-25	2018-05-25	2018-06-04	2018-09-28	2018-09-28	2018-09-22	0.030000	0.030000	0.027000
M	CWBI Operating Environment Simplification Part 3	Reduce 3 operating system baselines in 3QFY18 and 3 additional operating system baselines in 4QFY18.	M.3	2018-05-28	2018-05-28	2018-06-04	2018-09-28	2018-09-28	2018-09-28	0.030000	0.030000	0.028900
P	CWBI Software Management Part 3	Consolidate to a single code/documented/issue tracking system across all modules.	P.3	2018-05-28	2018-05-28	2018-06-04	2018-09-28	2018-09-28	2018-09-28	0.030000	0.030000	0.029700
Q	CWBI Public Facing Services Uptime Part 3	The percent of uptime public facing services are available.	Q.3	2018-05-28	2018-05-28	2018-06-04	2018-09-28	2018-09-28	2018-09-22	0.060000	0.060000	0.052700
R	CWBI Cloud Migration Part 3	Migrate 6 application modules from premise to DISA approved cloud environment annually.	R.3	2018-07-07	2018-07-07	2018-07-07	2018-09-28	2018-09-28	2018-09-27	0.300000	0.300000	0.273900
N	CWBI Web Service Publication Part 3	Publish a minimum of 2 new web services	N.3	2018-08-28	2018-08-28	2018-08-25	2018-12-31	2018-12-31	2018-12-31	0.070000	0.070000	0.065400

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
		quarterly, and 10 new services by EOY CY18.										
S	Complete Site CONOPS/Templating	Develop management repository architecture.	S.1	2018-09-01	2018-09-01	2018-09-03	2018-12-31	2018-12-31	2018-12-31	0.035000	0.035000	0.033250
S	Migrate Existing Pages	Migrate development management artifacts to DI2E.	S.2	2019-01-01	2019-01-01	2019-01-07	2019-03-30	2019-03-30	2019-03-14	0.035000	0.035000	0.032500
R	CWBI Cloud Migration Part 4	Migrate 6 application modules from premise to DISA approved cloud environment annually.	R.4	2018-09-01	2018-09-01	2018-09-03	2019-03-31	2019-03-31	2019-03-28	0.500000	0.500000	0.460000
S	Implement CWBI Issue Tracking/Management	Track CWBI trouble tickets using DI2E.	S.3	2019-04-01	2019-04-01	2019-04-01	2019-09-30	2019-09-30	2019-09-26	0.070000	0.070000	0.055000
R	CWBI Cloud Migration Part 5	Migrate 6 application modules from premise to DISA approved cloud environment annually.	R.5	2019-04-01	2019-04-01	2019-04-01	2019-09-30	2019-09-30	2019-09-18	0.500000	0.500000	0.370000
N	CWBI Web Service Publication Part 4	Publish a minimum of 2 new web services quarterly, and 10 new services by EOY CY19.	N.4	2019-09-01	2019-09-01	2019-08-16	2019-12-31	2019-12-15	2019-12-13	0.070000	0.070000	0.069000

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
R	CWBI Cloud Migration Part 6	Migrate 3 application modules quarterly and 15 annually from premise to DISA approved cloud environment annually.	R.6	2019-09-01	2019-09-01	2019-08-07	2019-12-31	2019-12-31	2019-12-19	0.500000	0.500000	0.491000
T	Reduce / simplify database structures Part 1	Eliminate redundant tables and/or simplify table structure - Eliminate 10 database tables in 1HFY20 and 10 additional database tables in 2HFY20.	T.1	2019-09-01	2019-09-01	2019-09-17	2020-03-31	2020-03-31		0.075000	0.075000	
M	CWBI Operating Environment Simplification Part 5	Reduce 2 operating system baselines in 1HFY20 and 2 additional operating system baselines in 2HFY20.	M.4	2019-09-01	2019-09-01	2019-09-17	2020-03-31	2020-03-31	2020-03-27	0.007000	0.050000	0.051000
N	CWBI Web Service Publication Part 5	Publish a minimum of 2 new web services quarterly, and 10 new services by EOY CY19.	N.5	2020-01-01	2020-01-01	2020-01-06	2020-03-31	2020-03-31	2020-03-30	0.070000	0.070000	0.069000
R	CWBI Cloud	Migrate 3	R.7	2020-01-01	2020-01-01	2020-01-06	2020-03-31	2020-03-31	2020-03-30	0.500000	0.500000	0.493000

				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
	Migration Part 7	application modules quarterly and 15 annually from premise to DISA approved cloud environment annually.										
N	CWBI Web Service Publication Part 6	Publish a minimum of 2 new web services quarterly, and 10 new services by EOY CY19.	N.6	2020-04-01	2020-04-01	2020-04-01	2020-06-30	2020-06-30	2020-06-26	0.070000	0.070000	0.067000
R	CWBI Cloud Migration Part 8	Migrate 3 application modules quarterly and 15 annually from premise to DISA approved cloud environment annually.	R.8	2020-04-01	2020-04-01	2020-04-01	2020-06-30	2020-06-30	2020-06-26	0.500000	0.500000	0.489000
T	Reduce / simplify database structures Part 2	Eliminate redundant tables and/or simplify table structure - Eliminate 10 database tables in 1HFY20 and 10 additional database tables in 2HFY20.	T.2	2020-04-01	2020-04-01	2020-04-01	2020-09-30	2020-09-30		0.075000	0.075000	
M	CWBI Operating	Reduce 2 operating	M.5	2020-04-01	2020-04-01	2020-04-01	2020-09-30	2020-09-30		0.050000	0.050000	

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
	Project Activity Table C.2.1											
	Environment Simplification Part 6	system baselines in 1HFY20 and 2 additional operating system baselines in 2HFY20.										
N	CWBI Web Service Publication Part 7	Publish a minimum of 2 new web services quarterly, and 10 new services by EOY CY19.	N.7	2020-07-01	2020-07-01	2020-07-01	2020-09-30	2020-09-30		0.070000	0.070000	
R	CWBI Cloud Migration Part 9	Migrate 3 application modules quarterly and 15 annually from premise to DISA approved cloud environment annually.	R.9	2020-07-01	2020-10-15	2020-10-01	2021-09-30	2021-09-30		0.500000	0.500000	

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?
30539	Receive 70% or higher satisfaction rating on CWBI customer satisfaction poll held at each CWBI quarterly "Sharing Session".	Percentage	1 - Customer Satisfaction (Process Results)			70.000000	Over target	Quarterly		No

Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment
30539	287815	57.000000	05/24/2021	The third quarter survey results came in under target due to an error in the polling. The survey was released at the beginning of the session, and some users did not see the survey to submit their vote. As a result, the total number of voters was much lower than normal. CWBI is also working to enhance its communication and advance partnerships with some stakeholders that have not been in regular contact in some time.
30539	284160	88.000000	02/02/2021	
30539	284159	85.000000	10/02/2020	

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?
30253	Consolidate and rationalize CWBI components into centralized business	API	2 - Strategic and Business Results		0.000000	4.000000	Over target	Annual		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?
	intelligence platform improving ease of data discovery/analysis and reducing operational costs.									

Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment
30253	277541	1.000000	12/25/2020	National Inventory of Dams
30253	277540	1.000000	12/24/2020	Levee Inspection System
30253	277539	1.000000	01/14/2021	National Levee Database (FEMA Enhancements)
30253	277538	1.000000	12/04/2020	Lock Performance Management System

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?
27489	Obligate 95% or greater of allocated ERC funding annually.	Percentage	3 - Financial Performance	0.000000	95.000000	95.000000	Over target	Annual		No

Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment
27489	277542	99.950000	09/30/2020	

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?
27027	First-call successful resolution of user inquiries is 65%.	Percentage	1 - Customer Satisfaction (Process Results)	0.000000	65.000000	65.000000	Over target	Monthly		No

Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment
27027	289879	55.000000	06/30/2021	CIO/G6 deployed Java was incompatible with OMBIL and resulted in delayed ticket resolution
27027	287816	46.000000	05/31/2021	There were several users that did

| | | | | | 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?
									not submit enough information during original ticket submission to rapidly resolve the issue. As a result, follow-on with the user to obtain all necessary information took more than 24-hours on multiple occasions.	
					27027	286472	73.000000	04/30/2021	Help desk turnaround times improved in April as a result of clarifying ticket submittal requirements to customers	
					27027	284161	42.000000	03/31/2021	Waiting on users to provide missing information to complete the account request.	
					27027	281780	56.000000	02/28/2021	Several tickets submitted in February were missing information submitted by the user to allow them to be remediated within a 24-hr time period. However, all tickets were resolved and closed out after the user submitted the missing information.	
					27027	278402	78.000000	01/31/2021	Tickets that were not resolved within 24-hours have now been resolved and closed.	
					27027	277547	80.000000	12/30/2020		
					27027	277546	76.000000	11/30/2020		
					27027	277545	90.000000	10/30/2020		
					27027	277544	75.000000	09/30/2020		
					27027	277543	75.000000	08/31/2020		
					27027	267740	50.000000	07/31/2020		
					27027	267739	79.000000	06/30/2020		

						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?
					27027	267738	86.000000	05/31/2020		
					27027	261292	33.000000	04/30/2020	The justification is because the team could not provide OMBIL support for the whole month of March. OMBIL support stopped on the last day of Feb. Support got back on track in April when Abt won the re-compete for another year. Therefore we finished most pending tickets in April.	
					27027	260511	0.000000	03/31/2020	OMBIL down due to work stopping in Feb	
					27027	257792	83.000000	02/29/2020		
					27027	256905	90.000000	01/31/2020		
					27027	254834	100.000000	12/31/2019		
					27027	253089	75.000000	11/30/2019		
					27027	251580	65.000000	08/30/2019		
					27027	251579	79.000000	09/30/2019		
					27027	251578	79.000000	10/31/2019		
					27027	249265	65.000000	07/31/2019		
					27027	244953	71.000000	06/28/2019		
					27027	243622	71.000000	05/31/2019		
					27027	242812	45.000000	04/30/2019	Decrease due to CAC renewals for entire contract team (8-21 April) and	

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?
									the Ombil mailbox migration to 365; team stopped receiving emails until ACE-IT corrected the issue.	
					27027	240735	64.000000	02/28/2019	This month the production environment was down for significant period of time due to uncoordinated efforts by internal contractors. We could not address the tickets due to these outages.	
					27027	240734	65.000000	03/31/2019		
					27027	236944	82.000000	01/31/2019		
					27027	235831	72.000000	12/31/2018		
					27027	235170	90.000000	12/06/2018		
					27027	233891	73.000000	10/31/2018		
					27027	231896	70.000000	10/12/2018		
					27027	225807	91.000000	07/16/2018		
					27027	224394	86.000000	06/13/2018		
					27027	222158	73.000000	05/09/2018		
					27027	220579	85.000000	04/06/2018		
					27027	219605	131.000000	03/14/2018	Continue to not have our normal contractor on hand to assist with help desk inquiries, contracting delays.	
					27027	217607	110.000000	02/20/2018	Did not have our normal contractor on hand to assist with help desk inquiries, contracting delays.	

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?
					27027	216137	97.000000	01/12/2018		
26501	Migrate six (6) application modules from "on premise" to DISA approved cloud environment annually.	Number	4 - Innovation	0.000000	3.000000	6.000000	Over target	Annual		No

Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment
26501	277548	6.000000	09/30/2020	Modules/Components

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?
26500	Implement a DoD approved single code / documentation / issue tracking system across all modules.	Percentage	2 - Strategic and Business Results	0.000000	50.000000	50.000000	Over target	Annual		No

Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment
26500	277549	55.000000	09/30/2020	
26500	251581	55.000000	09/30/2019	

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?
25863	The percent of uptime public facing services are available.	Percentage	2 - Strategic and Business Results	0.000000	95.000000	95.000000	Over target	Monthly		No

Metric ID	Actual Result ID	Actual Result	Date of Actual Result	Comment
25863	291320	95.500000	07/31/2021	The new VDP process resulted in some sites being blocked for low vulnerabilities. Remediation and/or Operational Impact Statements were

					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?	
									deployed to resolve.		
					25863	289881	88.000000	06/30/2021	National Inventory of Dams was blocked for three days due to untimely response of an approved OIS for Oracle APEX		
					25863	287817	100.000000	05/31/2021	There was no downtime recorded in May		
					25863	286473	99.700000	04/30/2021	No major service uptime issues reported in Apr 2021		
					25863	284162	99.300000	03/31/2021	No major service uptime issues reported in Mar 2021		
					25863	281781	99.600000	02/28/2021	No major service uptime issues reported in Feb 2021		
					25863	278403	99.700000	01/31/2021	Transitioned to a new up-time monitoring tool in Jan 2021		
					25863	277554	97.000000	12/31/2020			
					25863	277553	95.000000	11/30/2020			
					25863	277552	100.000000	10/30/2020			
					25863	277551	95.000000	09/30/2020			
					25863	277550	95.000000	08/31/2020			
					25863	267743	89.000000	07/31/2020			
					25863	267742	99.000000	06/30/2020			
					25863	267741	94.000000	05/31/2020			
					25863	261291	99.000000	04/30/2020			
					25863	260510	98.000000	03/31/2020			

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?
					25863	257791	100.000000	02/29/2020		
					25863	256904	95.000000	01/31/2020	The statistics raised above 90% (from last month) however Netcom AR cyber blocked websites due to VDP's (bleedover from last month) which prevented a 99% availability rate. The end of this reporting period is 100%.	
					25863	254833	88.000000	12/31/2019	Our availability statistics fell below 90% this month, for the first time since we began monitoring. This was caused by an extended outage of the AGS01.sec.usace.army.mil web server. AGS01 was blocked by NETCOM because of outstanding Vulnerability Disclosure Program (VDP) notices. The USACE CIO requested the site be unblocked on 19-Dec, but the site is still off-line. All other sites were available 98-99%.	
					25863	253088	98.000000	11/30/2019		
					25863	251577	99.000000	08/30/2019		
					25863	251576	96.000000	09/30/2019		
					25863	251575	99.000000	10/31/2019		
					25863	249264	99.000000	07/31/2019		
					25863	244952	99.000000	06/28/2019		
					25863	243621	99.000000	05/31/2019		
					25863	242811	99.000000	04/30/2019		

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?
					25863	240733	98.000000	02/28/2019		
					25863	240732	99.000000	03/31/2019		
					25863	236943	95.000000	01/31/2019		
					25863	235829	99.000000	12/31/2018	Target met for December	
					25863	235169	98.000000	12/06/2018		
					25863	205715	99.970000	07/13/2017	Target met for the month of July.	
					25863	205714	95.810000	06/01/2017		
					25863	189491	100.000000	05/03/2017	Metric performed above target result.	
					25863	187411	95.000000	04/27/2017		
					25863	184541	91.000000	03/14/2017		