

**300A - OVERVIEW**

Section A: Overview	
1. Name of this Investment:	S&T - National Bio and Agro-Defense Facility (NBAF)
2. Unique Investment Identifier (UII):	N024-000008001

Section B: Investment Detail	
	<i>Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments. [LIMIT: 2500 char]</i>
1.	<p>The proposed National Bio and Agro Defense Facility (NBAF) is an integrated foreign animal and zoonotic disease research, development and testing facility that will support the complementary missions of DHS and USDA. Currently, this research occurs at Plum Island Animal Disease Center (PIADC), where researchers have contributed significantly to protecting against Foreign Animal Diseases (FAD) for the past 50 years. However, PIADC is over 50 years old and is inadequate to meet the research needs of our Nation. NBAF will provide a state-of-the-art facility with capabilities not available at PIADC, including biosafety level 4 (BSL-4) containment space for the study of high-consequence diseases affecting large livestock and a vaccine development module to support the development and eventual license of products/reagents discovered and developed at NBAF. Discussions between DHS and USDA on a coordinated agricultural research strategy, as called for in the Homeland Security Act of 2002 and Homeland Security Presidential Directive 9 (HSPD-9), "Defense of United States Agriculture and Food (January 30, 2004)", revealed a capability gap. This gap identifies the need for an integrated research, development, test, and evaluation infrastructure for combating agricultural and public health threats posed by foreign animal diseases, emerging, and zoonotic diseases in livestock. Note that outlays do not reflect the State of Kansas proposed contribution of up to \$110 Million. Project inception-to-date progress: completion of initial program documentation, alternatives analysis (site selection), threat and risk assessments, environmental impact statement, site-specific biosafety and biosecurity risk assessment, and 35% detailed design and program verification. Site preparation activities are currently underway at the project site. The project will achieve the following milestones based on the project schedule: FY12-complete site preparation activities, complete updated risk assessment, complete 100% design, award construction of the main laboratory facility and outbuildings, including the central utility plant. Construction and commissioning activities will continue through 2017. The beneficiaries of these activities, once the facility is operational, will be the project stakeholders, including DHS and USDA research programs. Operations will continue at Plum Island until NBAF reaches full operational capability in 2020.</p>
	<i>How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded. [LIMIT: 2500 char]</i>
2.	<p>The country must have a modern research facility where we can create the means of preventing and, if necessary, treating foreign animal, zoonotic, and emerging diseases. Presently, our capabilities to research and to develop countermeasures against emerging diseases and large animal-associated disease with zoonotic potential are hindered by the absence of large-animal, BSL-4 laboratory space. BSL-4 facilities in other countries, specifically Canada and Australia, do not have the capacity to address potential U.S. outbreak scenarios in a timely manner. These countries cannot guarantee the availability of their facilities to meet our Nation's research requirements. NBAF will provide the U.S. with these capabilities to protect our agricultural economy and would provide complete national control to meet diagnostic and research needs rather than relying on relatively limited large animal BSL-4 facilities located in other countries.</p> <p>The U.S. also does not currently have a modern research facility capable of effectively studying and developing vaccines for large livestock on threats to our food supply and agriculture economy. A vaccine development module is needed to support the evolution of existing countermeasures development programs by providing small scale production of materials for supporting efficiency studies and early phase clinical trials. The capacity to rapidly respond to a novel pathogen and create a prototype vaccine quickly is essential to national security.</p>

This mission cannot be met unless the program is fully funded. It is not possible to construct this type of facility as separate usable segments. All funding must be in place to award the construction contract and procure the best price possible. Construction is dependant on Department guidance since funding beyond FY12 is "To Be Determined" and additional study is required based on the FY13 President's Budget. Based on the current fiscal constraints, S&T is currently reviewing the cost, safety, and any alternatives to the current plan that would reduce costs and ensure safety.

3. *For this investment's technical features, please identify where any specific technical solutions are required by legislation, in response to audit findings, or to meet requirements from other sources. Where "Yes" is indicated, provide a brief description of the technical features required, and any citations regarding specific mandates for these requirements.*

	Yes/No	Description [LIMIT: 1000 char]
<b>Legislative Mandate</b>	Yes	Discussions between DHS and USDA on a coordinated agricultural research strategy, as called for in the Homeland Security Act of 2002 and Homeland Security Presidential Directive 9 (HSPD-9), "Defense of United States Agriculture and Food (January 30, 2004)", revealed a capability gap. This gap identifies the need for an integrated research, development, test, and evaluation infrastructure for combating agricultural and public health threats posed by foreign animal diseases, emerging, and zoonotic diseases in livestock.
<b>Audit Finding Resolution</b>	No	
<b>Published Agency Strategic Plan</b>	Yes	The 2011 DHS S&T Strategic Plan includes a goal to "ensure effective construction and utilization of S&T laboratories in support of homeland security missions.
<b>Other Requirements</b>	Yes	HSPD-9 noted above.

### Accomplishments

	<i>Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved. [LIMIT: 1000 char]</i>
4.	Completed the site-specific risk assessment and submitted to NAS for review. Completed the 35% design and 50% design based on the recommendations from the risk assessment.
	<i>Provide a list of planned accomplishments for current year (CY) and budget year (BY). [LIMIT: 2500 char]</i>
5.	Complete updated risk assessment report and submit it the National Academy of Sciences for review. Completed 100% design. Complete site preparation activities prior to beginning construction. Construction is dependant on Department guidance since funding beyond FY12 is "To Be Determined" and additional study is required based on the FY13 President's Budget. Based on the current fiscal constraints, S&T is currently reviewing the cost, safety, and any alternatives to the current plan that would reduce costs and ensure safety.
6.	<i>Provide brief descriptions of out year (BY+1, BY+2, BY+3, BY+4 and beyond as necessary) budget requests for this investment. Briefly describe planned projects and/or useful components proposed, Your justification should address new functionality, systems integration, technology refreshes, efficeiciencies obtained, and any other enhancements to existing assets/systems performance or agency operations.</i>

Fiscal Year	Description [LIMIT: 500 char]
-------------	-------------------------------

<b>BY+1</b>	Funding for construction of laboratory facility, construction administration and materials testing, management and technical support, site security, third-party estimation services, and award of the facility commissioning contract.
<b>BY+2</b>	Funding for construction of laboratory facility, construction administration and materials testing, management and technical support, site security, and third-party estimation services.
<b>BY+3</b>	Funding for construction of laboratory facility, construction administration and materials testing, management and technical support, site security, and third-party estimation services.
<b>BY+4 and beyond</b>	Funding for construction of laboratory facility, construction administration and materials testing, management and technical support, site security, and third-party estimation services.

<b>Program Management</b>				
	<i>Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.</i>			
<b>7.</b>	Aug 3, 2009			
<b>8.</b>	<i>Provide the following 5 required IPT members. IT Program Manager, Business Process Owner and Contract Specialist must be Government employees.</i>			
<b>IPT Contact Information</b>	<b>Name</b>	<b>Phone Number</b>	<b>Extension</b>	<b>Email</b>
	<b>[LIMIT: 250 char]</b>	<b>[10 digits, 0-9 only]</b>	<b>[Optional: 6 digits, 0-9 only]</b>	<b>[LIMIT: one email only]</b>
<b>IT Program Manager</b>	Jamie Johnson, ONL Director (Program Manager)	202-254-6098		james.johnson2@dhs.gov
<b>Business Process Owner</b>	Julie Brewer, ONL Construction Branch Chief	202-254-6454		julie.brewer@hq.dhs.gov
<b>Contract Specialist</b>	Danny Hager, FLETC Biocontainment Procurement Branch Chief	912-267-3290		danny.hager@dhs.gov
<b>Information Technology Specialist</b>				
<b>Security Specialist</b>				

**300A - SUMMARY OF FUNDING**

**Section C: Summary of Funding (Budget Authority for Capital Assets) (In Millions)**

1. Provide the funding summary for this investment by completing the following table. Include funding authority from all sources in millions, and round to three decimal places. Federal personnel costs should be included only in the rows designated "DME Govt. FTE Costs" and "Operations Govt. FTE Costs" and should be excluded where indicated for DME Costs and Operations Costs. Cost levels should be consistent with funding levels in Exhibit 53. For multi-agency investments, this table should include all funding (both managing and partner agency contributions).
- For years beyond BY+1, please provide your best estimates for planning purposes, understanding that estimates for out-year spending will be less certain than estimates for BY+1 or closer.
- For lines in the table that ask for changes in your current submission compared to your most recent previous submission, please use the President's Budget as your previous submission. When making comparisons, please ensure that you compare same-year-to-same-year (e.g., 2011 v. 2011).
- Significant changes from the previous submission should be reflected in a the Investment level Alternatives Analysis and is subject to OMB request as discussed in section 300.5.

	PY-1 & Earlier	PY	CY	BY	BY+1	BY+2	BY+3	BY+4 & Beyond	Total
	2010	2011	2012	2013	2014	2015	2016	2017 +	
<b>Planning Costs:</b>	113.600	0.000	0.000	0.000	0.000	0.000	0.000	0.000	113.600
<b>DME (Excluding Planning) Costs:</b>	0.000	40.000	50.000	0.000	0.000	0.000	0.000	0.000	90.000
<b>DME Govt. FTEs:</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>SUBTOTAL DME:</b>	113.600	40.000	50.000	0.000	0.000	0.000	0.000	0.000	203.600
<b>O&amp;M- Excluding Govt FTE Costs:</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>O&amp;M Govt. FTEs:</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>SUBTOTAL O&amp;M Costs:</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>TOTAL COST:</b>	113.600	40.000	50.000	0.000	0.000	0.000	0.000	0.000	203.600
<b>Total Govt. FTE Costs:</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b># of FTEs rep by Costs:</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total from prior yr final Pres. Budget (\$)*</b>		40.000	150.000						

Total chg from prior yr final Pres. Budget (\$)		0.000	-100.000						
Total chg from prior yr final Pres. Budget (%)		0.000	-66.667						

	* Source of funding is based on the Exh 53 June 3rd submission and Exhibit 300 February 28th submission.
2.	While some investments are consistent with a defined life cycle model (i.e., an initial period of development followed by a period of primarily operational spending and an identifiable end point), others represent a collection of ongoing activities and operations with no known terminal point. In the following table, identify whether or not this investment uses a defined life cycle model (as defined in OMB Circular A-131) and provide appropriate investment cost information below.
	Is this investment consistent with a life cycle model defined in OMB Circular A-131 (i.e., an initial period of development followed by a period of primarily operational spending and an identifiable end point):
2.a.	Yes
	Describe why the investment is not consistent with life cycle model management defined in OMB Circular A-131, and explain how you adapted your alternatives analysis for this investment? (Where an agency uses a cost model other than the lifecycle cost model, defined by OMB Circular A-131, responses from 2c to 2h below should reflect the alternative concept.) [LIMIT: 1000 char] (Required if 2.a. is N):
2.b.	
	Provide information on what cost model this investment is using and how costs are captured for what years [LIMIT: 1000 char] (Required if 2.a. is N):
2.c.	
	What year did this investment start (use year—i.e., PY-1=2010) (Required if 2.a. is Y):
2.d.	2,006
	What year will this investment end (use year—i.e., BY+5=2018) (Required if 2.a. is Y):
2.e.	
	Estimated Total DME cost (including planning) for the investment life cycle or other cost model (excluding FTE):
2.f.	203.600
	Estimated Total O&M cost the investment life cycle or other cost model (excluding FTE):
2.g.	0.000
	Estimated total Govt. FTE Cost for the investment life cycle or other cost model:
2.h.	0.000
	If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes [LIMIT: 500 char]:
3a.	\$150M was requested in the FY12 President's Budget, but only \$50M was appropriated. Since this was not enough to begin construction, further study is required, as noted in the FY13 President's Budget. Funding beyond FY12 is "To Be Determined" pending Department guidance. Based on the current fiscal constraints, S&T is currently reviewing the cost, safety, and any alternatives to the current plan that would reduce costs and ensure safety.

**300A - ACQUISITION/CONTRACT STRATEGY**

**Section D: Acquisition/Contract Strategy**

1. Complete or update the table to display all prime contracts (or task orders) awarded or open solicitations for this investment (sub-award details is not required). Contracts and/or task orders that have "Ended" should not be included in the table. Contracts in open solicitation should provide estimated data for all fields (for "Total Contract Value" the estimated base contract costs and all anticipated option years). Data definitions can be found at [www.usaspending.gov/learn#a2](http://www.usaspending.gov/learn#a2).

For specifics, please see notes 1 and 2 below the table.

#	Active?	Contract Status	Contracting Agency ID	Procurement Instrument Identifier [LIMIT: 250 char]	IAA Contract/Exemption?	Indefinite Delivery Vehicle (IDV) PIID (required if part of an IDV)	IDV Agency ID	Solicitation ID
1	Deactivated	Awarded	7015	HSHQDC07X00106	Yes	No	4730	
2	Active	Awarded	7015	HSHQDC10X00301	Yes	No	4730	
3	Active	Awarded	7001	HSHQDC10J00141	No	No	4730	
4	Active	Awarded	7015	HSFLGL06F00508	No	No	4730	
5	Active	Awarded	7015	HSFLGL07C00004	No	No	4730	
6	Deactivated	Awarded	7015	HSFLGL08C00003	No	No	4730	
7	Deactivated	Awarded	7015	HSFLGL08X00032	Yes	No	4730	
8	Deactivated	Awarded	7001	HSHQDC08F00082	No	No	4730	
9	Active	Awarded	7015	HSFLBP09F00001	No	No	4730	
10	Active	Awarded	7015	HSFLBP09C00001	No	No	4730	
11	Active	Awarded	7015	GS10F0484P : HSFLBP10F00001	No	No	4730	
12	Deactivated	Awarded	7015	HSFLBP10C00001	No	No	4730	
13	Active	Awarded	7015	HSFLBP10F00002	No	No	4730	
14	Active	Awarded	7001	HSHQ610D00001	No	No	4730	
15	Active	Awarded	7015	HSFLBP11J00001	No	No	4730	
16	Active	Awarded	7015	HSHQDC11D00009	No	No	4730	
17	Deactivated	Pre-award Pre-solicitation	7015	To be determined	No	No	4730	
18	Deactivated	Pre-award Pre-solicitation	7015	To be determined	No	No	4730	
19	Deactivated	Pre-award Pre-solicitation	7015	To be determined	No	No	4730	
20	Deactivated	Pre-award	7015	To be determined	No	No	4730	

		Pre-solicitation							
--	--	------------------	--	--	--	--	--	--	--

#	Alternate Financing	EVM Required	Ultimate Contract Value (\$M)	Type of Contract/Task Order (Pricing)	Is the contract a Performance Based Service Acquisition (PBSA)?	Effective date	Actual or expected End Date of Contract/Task Order	Extent Competed	Short description of services or product to be acquired	Contract
1	NA	No	2.760	Firm Fixed Price	No	Jan 16, 2007	Jan 15, 2010	Full and Open Competition	Previous IAA for procurement support from Federal Law Enforcement Training Center - Biocontainment Procurement Branch.	FLETC
2	NA	No	7.000	Firm Fixed Price	No	Apr 8, 2010	Apr 7, 2015	Full and Open Competition	Current IAA for procurement support from Federal Law Enforcement Training Center - Biocontainment Procurement Branch.	FLETC
3	NA	No	9.900	Firm Fixed Price	No	Aug 25, 2005	Dec 29, 2017	Full and Open Competition	Management and technical support from Booz Allen.	Booz Allen
4	NA	No	3.120	Time and Materials	No	Aug 25, 2006	Mar 30, 2012	Full and Open Competition	Project technical support and public outreach support, primarily for the environmental impact statement process.	SAIC
5	NA	No	86.500	Firm Fixed Price	No	Jan 11, 2007	Dec 29, 2017	Full and Open Competition	Architect/Engineering services for the design of NBAF. Include pre-design services during site selection, detailed design, and design administration.	NBAF Design Partnershi
6	NA	No	4.700	Firm Fixed Price	No	Oct 15, 2007	Nov 1, 2010	Full and Open Competition	Environmental impact analysis of constructing and operating facility, including administrative record.	Dial Cordy Associates
7	NA	No	0.200	Firm Fixed Price	No	Oct 17, 2007	Sep 30, 2010	Full and Open Competition	IAA for technical support, review, and development of risk assessments.	Sandia National Laboratori
8	NA	No	0.150	Firm Fixed Price	No	Jun 4, 2008	Jan 31, 2009	Full and Open Competition	Technical support and review of environmental impact statement.	Marstel Da
9	NA	No	0.332	Firm Fixed Price	No	Jul 20, 2009	Dec 31, 2011	Full and Open Competition	Technical support to evaluate and complete documentation prior the federal	Sullivan Co

									government closing on gifted land in Kansas.	
10	NA	Yes	22.900	Firm Fixed Price	No	Sep 18, 2009	Dec 29, 2017	Full and Open Competition	Construction services for NBAF, including pre-construction services, facility construction, and facility commissioning.	McCarthy/ Joint Vent
11	NA	No	5.520	Firm Fixed Price	No	Dec 17, 2009	Aug 15, 2012	Full and Open Competition	Development of a site-specific biosafety and biosecurity mitigation risk assessment.	Signature
12	NA	No	0.360	Firm Fixed Price	No	Jan 1, 2010	Dec 31, 2010	Not Available for Competition	Review of site-specific risk assessment by National Academy of Sciences as mandated by Congress.	National A Sciences
13	NA	No	1.750	Firm Fixed Price	No	Jan 21, 2010	Jul 31, 2015	Full and Open Competition	Third party cost estimation and scheduling review.	U.S. Cost
14	NA	No	1.680	Firm Fixed Price	No	Sep 1, 2010	Dec 29, 2017	Not Available for Competition	SWA Agreement with the Federal Protective Service for site security during construction.	Federal Pr Service
15	NA	No	0.090	Fixed Price Level of Effort	No	Mar 24, 2011	Jun 30, 2011	Full and Open Competition	Radios for site security.	Motorola
16	NA	No	0.620	Fixed Price Level of Effort	No	Jun 28, 2011	Sep 30, 2012	Full and Open Competition	Review of updated site-specific risk assessment by National Academy of Sciences as mandated by Congress.	National A Sciences
17	NA	No	0.000	Firm Fixed Price	No	Jan 1, 2014	Dec 31, 2019	Full and Open Competition	Transition of operations from Plum Island to new facility in NBAF. Includes purchase of loose laboratory equipment.	To be dete
18	NA	No	0.000	Firm Fixed Price	No	May 2, 2016	Jun 29, 2068	Full and Open Competition	Operation of facility.	To be dete
19	NA	No	0.000	Cost Plus Fixed Fee	No	Jul 2, 2068	Dec 31, 2068	Full and Open Competition	Decommission facility.	To be dete
20	NA	No	0.000	Firm Fixed Price	No	May 31, 2011	Apr 29, 2016	Full and Open Competition	Materials testing during construction.	To be dete

Note 1: Assuming the PIID or IDV PIID match with USAspending.gov, these data elements will be automatically populated for awarded IT acquisitions

Note 2: Assuming the PIID, IDV PIID, or Solicitation number match with USAspending.gov or FedBizOpps (fbo.gov) this data will be auto populated for

awarded and pre-award, post-solicitation IT acquisitions.

### Earned Value Explanation

*If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why. [LIMIT: 2500 char]*

2.

EVM is required for the construction contract. The construction contractor has a EVM plan in place so that the construction schedule and costs can be properly managed based on hours planned vs. hours earned.

**300B - PROJECT**

**1 300B Section B Project Execution Data**

Addresses planning, DME and significant maintenance projects for the investment.

1. In the Active Project table, report, at a minimum, all projects with any activities that started in a previous fiscal year (PY and earlier) and have not completed by the beginning of the current year as well as activities that are scheduled to start in the current fiscal year, including planning, DME, and maintenance projects. This information should be updated at least once every month. Include the following data in Table B.1:

A. Project ID: An agency-specified number that uniquely identifies the project within this investment.

B. Project Name: Name used by agency to refer specifically to this project.

C. Project Description: Description of project functionality or purpose.

D. Project Type: (1) DME, (2) Maint

E. Project Start Date: Date of actual start of in-progress projects or planned start of projects which have not yet begun (may be before current fiscal year or activities listed in the Project Activities table).

F. Project Completion Date: Planned date of completion of in-progress projects or actual completion date of projects which have completed (may be after budget year or of completion date of activities listed in the Project Activities table).

G. Project Lifecycle Cost: Enter the total cost of all activities related to this project as described in OMB Circular No. A-131. (in \$ millions)

H. PM Name: Name of project manager responsible for the success of this project.

I. PM Level of Experience: The years of applicable experience or the status of certification.

J. PM Phone: Phone number of project manager responsible for the success of this project.

K. PM Phone Extension: Phone number extension of project manager responsible for the success of this project.

L. PM Email: Email address of project manager responsible for the success of this project.

**2 Projects Table**

**IMPORTANT Note:** In order to 'facilitate' the transition from the old 'Milestone table' to the new 'Project/Project Execution Table' format, OMB has made a new requirement that the Project and Project Execution tables be expanded to include all Q4 FY2011 4th quarter projects and activities.

**Table B.1 Active Projects:**

#	Active?	Project ID	Project Name	Project Description	Project Type	Project Start Date	Project Completion Date	Project Lifecycle Cost	PM Name	PM Level of Experience
1	Active	1	Management and Technical Support	These activities include the various aspects of running the project management office during until the facility is constructed: specialty consultants, subject matter experts, cost evaluation, project and document management, and other project management activities. Also includes site security costs as that contract is managed at S&T.	DME	Jan 6, 2006	Sep 30, 2012	17.200	Jamie Johnson	FAC-P/PM(DAWIA-3)- Senior
2	Active	2	Planning	These activities include the various planning efforts before and during facility construction:	DME	Jan 6, 2006	Sep 30, 2012	35.400	Jamie Johnson	FAC-P/PM(DAWIA-3)- Senior

				environmental impact statement and related studies, risk analyses, property closing documentation, third party cost estimation, and public outreach.						
3	Active	3	Design	These activities include pre-design services during site selection (including feasibility study and initial program of requirements), detailed facility design, and construction administration.	DME	Dec 1, 2006	Dec 31, 2012	81.000	Jamie Johnson	FAC-P/PM(DAWIA-3)– Senior
4	Active	4	Construction	These activities include site preparation and constructing the main laboratory facility, central utility plant, and other outbuildings.	DME				Jamie Johnson	FAC-P/PM(DAWIA-3)– Senior
5	Active	5	Transition from PIADC	These activities include transitioning from Plum Island to NBAF, including employee relocation, material relocation, training, equipment, decommissioning, and other transition activities.	DME				Jamie Johnson	FAC-P/PM(DAWIA-3)– Senior
6	Active	6	NBAF Operations	These activities include partially operating the facility after it is commissioned (and endurance tested) until it is fully operational. Once the facility becomes fully operational, it is anticipated to have a 50 year operating life.	DME				Jamie Johnson	FAC-P/PM(DAWIA-3)– Senior
7	Active	7	Facility Disposition	After the facility's useful life is complete after 50 years of operation, the facility will be decommissioned.	DME				Jamie Johnson	FAC-P/PM(DAWIA-3)– Senior

#	PM Phone	Project Manager Phone Ext	PM Email	Project Last Action Date
1	202-254-6098		James.Johnson2@dhs.gov	Feb 20, 2012

2	202-254-6098		James.Johnson2@dhs.gov	Feb 20, 2012
3	202-254-6098		James.Johnson2@dhs.gov	Feb 20, 2012
4	202-254-6098		James.Johnson2@dhs.gov	Feb 21, 2012
5	202-254-6098		James.Johnson2@dhs.gov	Feb 21, 2012
6	202-254-6098		James.Johnson2@dhs.gov	Feb 21, 2012
7	202-254-6098		James.Johnson2@dhs.gov	Feb 21, 2012

## 300B - PROJECT EXECUTION

### Project Activities

Addresses planning, DME and significant maintenance projects for the investment.

In the Project Activities table, describe, at a minimum, all activities occurring during the current fiscal year. This table should be updated once a month at a minimum. In line with modular development principles, activities should be structured to provide usable functionality in measurable segments that complete at least once every six months or more often, as described in the 25-Point Implementation Plan to Reform Federal IT.

A. Project ID: An agency-specified number that uniquely identifies the project within this investment.

B. Activity Name: A short description consistent with the critical steps within the agency project management methodology.

C. Activity Description: Describe what work is accomplished by this activity

D. Structure ID: Agency-specified identifier which indicates work breakdown structure agency uses to associate this activity with other activities or a project. Please provide this in the format of "x.x.x.x.x" where the first string is the Project ID and each following string (separated by periods) matches the Structure ID of a parent activity. See below for more guidance about parent and child activities expressed through this structure.

E. Key Deliverable / Usable Functionality: Indicate whether the completion of this activity provides a key deliverable or usable functionality. This should only be provided for activities which do not have a child activity. Use this field to demonstrate this investment's alignment with the modular development principles of the 25-Point Implementation Plan to Reform Federal IT.

F. Start Date Planned: The planned start date for this activity.

G. Start Date Projected: When activity has not yet started, enter current planned start date of the activity.

H. Start Date Actual: When activity starts, enter actual start date here.

I. Completion Date Planned: The planned completion date for this activity.

J. Completion Date Projected: When activity has not yet completed, enter current planned completion date of the activity.

K. Completion Date Actual: When activity ends, enter actual completion date here.

L. Total Costs Planned: The planned total cost for this activity. This is the baseline value.

M. Total Costs Projected: When activity has not yet completed, enter current planned total cost of the activity.

N. Total Costs Actual: When activity ends, enter actual total costs for the activity here.

### Reporting Parent and Child Activities (WBS Structure)

"Child" activities may be grouped into "Parent" activities to reflect the work breakdown structure (WBS) the agency uses to manage the investment. If a work breakdown structure is not used by the agency, please report the relationship between parent activities and child activities in "Structure ID" using this method.

When reporting an activity, enter the "Structure ID" as a period-delimited string consisting of the "Project ID" and each nested parent child activity between the project level and the child activity. The "Structure ID" to enter will vary depending on the activity's WBS level.

Example: For child activity 3 which is part of parent activity 10, which in turn is part of parent activity 2, which in turn is part of Project A, please enter:  
A.2.10.3

Project A >>> Parent Activity 2 >>> Parent Activity 10 >>> Child Activity 3

There is no limit to the number of nested "child" and "parent" relationships allowed, and this depth may vary from activity to activity and from project to project.

If any of a parent activity's child activities occurs in the current fiscal year, then all child activities of the parent activity must be reported regardless of their timing. This is to ensure that a complete view of the parent activity is available.

All activities with no child activities must have, at a minimum, Project ID, Activity Name, Activity Description, Structure ID, Start Date Planned, Start Date Projected, Completion Date Planned, Completion Date Projected, Total Costs Planned, and Total Costs Projected. Completed activities must also have Start Date Actual, Completion Date Actual, and Total Costs Actual.

Any parent activities with a child activity must be completely described by the aggregate attributes of its child activities. In the IT Dashboard, the cost and schedule information for parent activities will be based on the cost and schedule information of their most detailed reported child activities. Agency-submitted cost and schedule information is not required for parent activities.

### Project Execution (Activities) Table

All financials are in millions (\$M).

**IMPORTANT Note:** In order to 'facilitate' the transition from the old 'Milestone table' to the new 'Project/Project Execution Table' format, OMB has made a new requirement that the Project and Project Execution tables be expanded to include all Q4 FY2011 4th quarter projects and activities.

#	Active?	Project ID	Activity Name	Activity Description	Structure ID	Key Deliverable/Usable	Start Date	Start Date	Start Date	Completion Date
---	---------	------------	---------------	----------------------	--------------	------------------------	------------	------------	------------	-----------------

						Functionality	Planned	Projected	Actual	Planned
1	Active	1	Planning and Design	These activities include the various aspects of running the project management office during until the facility is constructed: specialty consultants, subject matter experts, cost evaluation, project and document management, and other project management activities. Also includes site security costs as that contract is managed at S&T. These activities include the various planning efforts before and during facility construction: environmental impact statement and related studies, risk analyses, property closing documentation, third party cost estimation, and public outreach.	1.0	N/A	Jan 6, 2006		Jan 6, 2006	Sep 30, 2012
2	Active	2	Site Preparation	This activities include prepration of the site prior to construction activities, including grading, utility distribution, fences, and roadways/parking.	2.0	N/A	Jan 6, 2006		Aug 25, 2006	Sep 30, 2012
3	Active	3	Design	These activities include pre-design services during site selection (including feasibility study and initial program of requirements), detailed facility design, and construcion administration.	3.0	Key Deliverable	Dec 1, 2006		Jan 11, 2007	Dec 31, 2012
4	Active	4	Construction	These activities include site preparation and constructing the main laboratory facility, central utility plant, and other outbuildings	4.0	Usable Functionality				

5	Active	5	Transition from PIADC	These activities include transitioning from Plum Island to NBAF, including employee relocation, material relocation, training, equipment, decommissioning, and other transition activities.	5.0	Usable Functionality				
6	Active	6	NBAF Operations	These activities include partially operating the facility after it is commissioned (and endurance tested) until it is fully operational. Once the facility becomes fully operational, it is anticipated to have a 50 year operating life.	6.0	Usable Functionality				
7	Active	7	Facility Disposition	After the facility's useful life is complete after 50 years of operation, the facility will be decommissioned.	7.0	N/A				

#	Completion Date Projected	Completion Date Actual	Total Costs Planned	Total Cost Projected	Total Costs Actual	Activities Last Action Date
1			113.600	113.600		Feb 20, 2012
2			18.300	18.300		Feb 20, 2012
3			81.000	80.000		Feb 20, 2012
4						Feb 21, 2012
5						Feb 21, 2012
6						Feb 21, 2012
7						Feb 21, 2012

## 300B - PROJECT RISK

### Project Risk

Project Execution Data addresses planning, DME, and significant maintenance projects for the investment.

Risk assessments should include risk information from all stakeholders and should be performed at the initial concept stage and then monitored and controlled throughout the life-cycle of the investment.

In the Project Risk table, list all significant project related risks for the investment that are currently open and provide risk assessment information. (It is not necessary to address all 19 OMB Risk Categories).

A. Project ID: An agency-specified number that uniquely identifies a project within this investment. For each identified risk, lists the associated Project ID.

B. Risk Name: A short description provides details of a risk, the cause of the risk and the effect that the risk causes to the project.

C. Risk Category: Please select the relevant OMB Risk Category for each risk. Risk categories include: 1) schedule; 2) initial costs; 3) life-cycle costs; 4) technical obsolescence; 5) feasibility; 6) reliability of systems; 7) dependencies and interoperability between this investment and others; 8) surety (asset protection) considerations; 9) risk of creating a monopoly for future procurements; 10) capability of agency to manage the investment; and 11) overall risk of investment failure; 12) organizational and change management; 13) business; 14) data/info; 15) technology; 16) strategic; 17) security; 18) privacy; and 19) project resources.

D. Risk Probability: The likelihood that a risk will occur (Low, Medium, or High)

E. Risk Impact: The impact on the project if the risk occurs (Low, Medium, or High)

F. Mitigation Plan: A short description of the plan or steps to mitigate the identified risk.

**Table B.3 - Project Risk Table**

#	Active?	Project ID	Risk Name	Risk Category	Risk Probability	Risk Impact	Risk Mitigation Plan	Risk Last Action Date
1	-	4	The completion of the Site-Specific Risk Assessment identified additional design requirements for the NBAF to further enhance safe and secure operations. These additional requirements will result in additional construction and design costs.	Initial costs	Medium	High	This risk added project scope, impact the baseline cost and schedule. The 65% design was completed in October 2011 and the project baseline is updated based on the revised project scope, cost, and schedule.	Feb 21, 2012
2	-	4	Although DHS received \$40M in FY11 appropriations for construction of the central utility plant, only \$50M of the \$150M requested was received in FY12 for construction of the laboratory.	Initial costs	Medium	Medium	S&T is reviewing the cost, safety, and any alternatives to the current plan that would reduce costs and ensure safety within the overall funding constraints.	Feb 21, 2012
3	-	4	Intervener Causes Delay	Schedule	Low	High	Ensure all project actions are legal and as applicable, conforming to federal and state regulations.	Feb 17, 2012
4	-	4	Lack of Generator at Waste Water Plant	Schedule	Low	Medium	NBAF PMO to track progress of City project. PMO to plan to build generator if needed.	Feb 17, 2012
5	-	4	Unforeseen Kansas Requirements (e.g.,	Initial costs	High	Low	Site manager will work directly with local entities	Feb 17, 2012

#	Active?	Project ID	Risk Name	Risk Category	Risk Probability	Risk Impact	Risk Mitigation Plan	Risk Last Action Date
			cleaning roads, improved fencing)				to evaluate construction impacts and mitigation measures.	
6	-	4	Grain Silo Not Demolished by Kansas State	Initial costs	Medium	Low	DHS will work with Kansas prior to expiration of the permit to ensure that there is a good plan to mitigate and demolish the facilities.	Feb 17, 2012
7	-	6	Inability to meet Federal Energy and Sustainability Requirements Results in Increase in Scope	Schedule	Low	Medium	DHS ONL will work with DHS OCAO OSEP to complete the necessary documentation for not meeting the E.O.	Feb 17, 2012
8	-	4	Change in O&M Requirements	Technology	Medium	Medium	Continue to include O&M personnel in discussions and meetings. NBAF Site Manager developing strategy for including O&M in design/construction process.	Feb 17, 2012
9	-	4	Force Majeure	Initial costs	Low	Low	Keep adequate funds in management reserve.	Feb 17, 2012
10	-	4	Increase in Utility Distribution Work Scope	Initial costs	Low	Low	NBAF Site Manager to work with utilities to determine how to handle utility distribution costs, including potentially utilities paying for distribution and building costs into future NBAF rates.	Feb 17, 2012
11	-	4	Ongoing Risk Analysis (Modeling) throughout Project	Initial costs	Medium	Low	DHS will work with the National Academy of Sciences to make the development of the risk assessment a collaborative effort to ensure the robustness of the risk assessment and its ability to withstand scrutiny.	Feb 17, 2012
12	-	4	Change in Security Requirements	Technical Obsolescence	High	Medium	Will continue to review security design with security stakeholders.	Feb 17, 2012
13	-	4	Change in IT Requirements	Technical Obsolescence	High	Medium	Will continue to review IT design with IT stakeholders.	Feb 17, 2012
14	-	4	Pressure Decay Criteria	Feasibility	Low	Medium	The design team will create a mock up of the current design under worst case scenario for testing.	Feb 17, 2012
15	-	5	Staffing/Training Delays for Startup	Schedule	Low	Low	Staffing and training plans are being developed as part of the transition and operations planning.	Feb 17, 2012

#	Active?	Project ID	Risk Name	Risk Category	Risk Probability	Risk Impact	Risk Mitigation Plan	Risk Last Action Date
16	-	4	Subcontractor Business Failure	Schedule	Low	Low	Keep adequate funds in management reserve.	Feb 17, 2012
17	-	4	Small Business Target Delays	Schedule	High	Low	Keep adequate funds in management reserve.	Feb 17, 2012
18	-	4	Increased Escalation for Construction	Initial costs	Medium	Medium	Keep adequate funds in management reserve.	Feb 17, 2012
19	-	4	Major Safety Issue Occurs During Construction	Schedule	Low	Low	Construction safety plan and ongoing subcontractor safety training and education.	Feb 17, 2012
20	-	5	Initial Startup Deficiencies	Schedule	Medium	Medium	Commissioning agent involved throughout design and construction to help ensure smoothest startup possible.	Feb 17, 2012
21	-	5	CDC Certification Delay (Facility Flaws, design omissions, etc)	Schedule	Medium	Medium	DHS and USDA biosafety experts included throughout design.	Feb 17, 2012
22	-	5	Commissioning Delay (e.g., high wind test)	Schedule	Medium	Medium	Keep adequate funds in management reserve.	Feb 17, 2012
23	-	4	Delay Due to Soil Conditions	Schedule	Low	Low	Keep adequate funds in management reserve.	Feb 17, 2012
24	-	4	Air Quality Construction Permit	Schedule	Low	Low	DHS began processing a new permit to begin construction with the February construction of the CUP	Feb 17, 2012

**300B - OPERATIONAL DATA**

**Section C: Operational Data (Performance Metrics)**

*Operational Data addresses operational activities which are not reported as part of a project in the Project Execution Data.*

*There are two essential types of operations metrics to be reported (see FEA Reference Model Mapping Quick Guide):*

- 1. Results Specific: Provide a minimum of two metrics which measure the effectiveness of the investment in delivering the desired service or support level; if applicable, at least one metric should reflect customer results (e.g.; "Service Quality").*
- 2. Activities and Technology Specific: Provide a minimum of three –metrics which measure the investment against its defined process standards or technical service level agreements (SLAs) (e.g.; "Reliability and Availability"). At least one of these metrics must have a monthly "Reporting Frequency."*

*Provide results specific metrics which are appropriate to the mission of the investment and its business owner or Customer. Generally these metrics should be provided by the investment's business owner and will reflect performance in the broader business activities and not IT-specific functions. The best results specific metrics will support the business case justification and could be the foundation of a quantitative approach to defining benefits in a cost-benefit analysis. Unlike in private industry where identified benefits accrue to the organization, government benefits may accrue to the public. Therefore, results-specific metrics may demonstrate the value realized external to the Federal Government. The table must include a minimum of two results-specific metrics, one of which should reflect customer results.*

*Each metric description should help the user understand what is being measured. In this field, describe the units used, any calculation algorithm used, and the definition or limits of the population or "universe" measured.*

*The unit of measure should be characterized (e.g. number, percentage, dollar value etc) for each metric. If the unit is not on the drop down list, please choose "Other" and provide unit of measure description in the "Metric Description" field. Each metric listed in the table must also indicate how often actual measurements will be reported (monthly, quarterly or semi-annually), as well as baseline, targets and actual results. The "Actual for PY" should be final actual measurement from the previous year or the average actual results from the previous year. Describe whether a successful actual measurement would be "over the target" or be "under the target" in "Measurement Condition." "Comment" field is required for performance metrics where target not expected to be met. All data will be displayed on the IT Dashboard.*

**Table C.1 - Operational Data Table**

#	Active?	Metric Description	Unit of Measure	Measurement Area	Measurement Category	Measurement Grouping	Baseline	Target for PY	Actual for PY	Target for CY
---	---------	--------------------	-----------------	------------------	----------------------	----------------------	----------	---------------	---------------	---------------

#	Measurement Condition	Reporting Frequency	Most Recent Actual Results	Comment	IT Dashboard Agency Identifier	Operational Data Last Action Date
---	-----------------------	---------------------	----------------------------	---------	--------------------------------	-----------------------------------

## 300B - OPERATIONAL RISK

### Operational Risk

*Operational Data addresses operational activities which are not reported as a part of a project in Project Execution Data.*

*Risk assessments should include risk information from all stakeholders and should be performed at the initial concept stage and then monitored and controlled throughout the life-cycle of the investment.*

*In the Operational Risk table, list all significant operational related risks for the investment that are currently open and provide risk assessment information. (It is not necessary to address all 19 OMB Risk Categories).*

*A. Risk Name: A short description identifies a risk, the cause of the risk and the effect that the risk causes to the operational activity.*

*B. Risk Category: Please select the relevant OMB Risk Category for each risk. Risk categories include: 1) schedule; 2) initial costs; 3) life-cycle costs; 4) technical obsolescence; 5) feasibility; 6) reliability of systems; 7) dependencies and interoperability between this investment and others; 8) surety (asset protection) considerations; 9) risk of creating a monopoly for future procurements; 10) capability of agency to manage the investment; and 11) overall risk of investment failure; 12) organizational and change management; 13) business; 14) data/info; 15) technology; 16) strategic; 17) security; 18) privacy; and 19) project resources.*

*C. Risk Probability: The likelihood that a risk will occur (on scale from Low, Medium to High)*

*D. Risk Impact: The impact of a risk on the project if the risk occurs (on scale from Low, Medium to High)*

*E. Mitigation Plan: A short description provides how to mitigate the risk.*

**Table C.2 - Operational Risk**

#	Active?	Risk Name	Risk Category	Risk Probability	Risk Impact	Risk Mitigation Plan	Operational Risk Last Action Date
1	Active	Technology obsolescence one facility is constructed	Technical Obsolescence	Low	Low	The capital improvement plan will incorporate technology and equipment updates to address the outdated equipment.	Jul 14, 2011
2	Active	Research funding cuts	Life-cycle costs	Medium	Medium	Each research program will develop research plans that rank priorities.	Jul 14, 2011