

## Business Case: Capital Asset Summary

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

#### Section A: Overview & General Information

**Date Investment First Submitted:** 2010-09-16  
**Date of Last Change to Activities:** 2021-07-29  
**Investment Auto Submission Date:**  
**Date of Last Investment Detail Update:** 2021-04-29  
**Date of Last Business Case Update:** 2021-04-29  
**Date of Last Revision:** 2021-07-29

**Agency:** 422 - National Science Foundation      **Bureau:** 00 - Agency-Wide Activity

**1. Name of this Investment:** Mission Support Systems

**2. Unique Investment Identifier (UII):** 422-000001328

#### Section B: Investment Detail

- 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):

422SO18171: Processes and Operations: Continually improve agency operations

Agency Priority Goal(s):

- Briefly describe the investment's return on investment, including benefits internal and external to the government and outcomes achieved or planned.**  
NSF's Mission Support Systems, which include applications for grants management, proposal submission, panel reviews, award recommendations, and award confirmation, are central to NSF's Merit Review process. These applications serve the research community, including researchers, educators, and students across the country who participate in the process as well as NSF staff who manage the review of approximately 50,000 proposals for cutting-edge scientific, engineering, and education research each year. NSF's Mission Support Services enable the research community and NSF staff to navigate through NSF business processes easily and quickly, and they continue to provide effective mission-support technology solutions for NSF's ongoing grants management needs. Additionally, the American taxpayer can leverage these services for streamlined, transparent information regarding how their tax dollars are being used to fund NSF awards and what outcomes those awards are achieving. As improvements are made to internal and external-facing services, this investment will enable NSF's

workforce to support a growing number of proposals, avoiding costs associated with increasing staff. As work progresses, NSF will continue to monitor costs for its IT portfolio and staff to enable quantitative analysis of cost savings or avoidance related to ongoing modernization efforts. Legislative Mandate - Modern IT services are essential to the grant-making process and to fulfilling NSF's statutory mission to "promote the progress of science..." The Proposal & Awards Policies & Procedures Guide (PAPPG) now includes a Data Management Plan, eliminates voluntary committed Cost Sharing in proposals, and requires the Primary Place of Performance be stated to meet Federal Funding Accountability & Transparency Act requirements (FFATA). The Project Outcomes Report for new and existing awards, provides the public insight into the outcomes of NSF-funded research, and is viewable through the Research Spending & Results search service. FFATA -

<http://www.gpo.gov/fdsys/pkg/PLAW-109publ282/pdf/PLAW-109publ282.pdf> FITARA (legislative) - <https://www.congress.gov/bill/113th-congress/house-bill/1232> Outstanding Audit Finding or Material Weakness – N/A Published Agency Strategic Plan/Annual Performance Plan - Supports agency strategic goal to "Enhance NSF's performance of its mission." [http://www.nsf.gov/about/performance/strategic\\_plan.jsp](http://www.nsf.gov/about/performance/strategic_plan.jsp) FY19 Annual Performance Report and FY21 Performance Plan – Improve user interactions with IT systems. [https://www.nsf.gov/about/budget/fy2021/pdf/68\\_fy2021.pdf](https://www.nsf.gov/about/budget/fy2021/pdf/68_fy2021.pdf) Presidential Direction (i.e. Presidential Directive, Presidential Memorandum, or Executive Order) – N/A Other Requirement - N/A.

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 Ull                              | To Be Status     |
| 422-000001361                               | to be eliminated |

4. **Does the Investment currently include an intra- or inter-Agency shared service (common, shared, or centralized solution)?:**  
YES
5. **Does the Investment plan to include an Intra- or Inter-Agency shared service that it does not currently include (common, shared, or centralized solution)?:**  
YES
6. **If systems contained in this Investment collect data from the public, please identify the OMB Control Numbers which authorize that data collection as per the Paperwork Reduction Act. Use [Reginfo](#) at the following link to identify information collection requests and OMB control numbers. Agencies can work with their Records Officers to determine the applicability.**

**7. Provide the name of the Investment-level project manager:**

Westfall, Leigh

**8. Select the qualification/experience level of the Investment-level project manager (select one):**

1 - FAC-P/PM(DAWIA-3)- Senior

## Section C: Life Cycle Costs

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

| Table I.C.1 Life Cycle Costs                                  |                    |             |             |             |
|---|--------------------|-------------|-------------|-------------|
|   | PY-1<br>&<br>Prior | PY<br>2021  | CY<br>2022  | BY<br>2023  |
| Planning Costs:   | 0                  | 0           | 0           | 0           |
| DME (Excluding Planning) Costs:                               | \$16.869000        | \$20.567000 | \$20.300000 | \$23.236000 |
| DME (Including Planning) Govt. FTEs:                          | \$1.408000         | \$1.464000  | \$1.528000  | \$1.624000  |
| Sub-Total DME (including Internal Labor (Govt. FTE)):         | \$18.277000        | \$22.031000 | \$21.828000 | \$24.860000 |
| O & M Costs:  | \$26.548000        | \$27.145000 | \$26.005000 | \$28.890000 |
| O & M Internal Labor (Govt. FTE):                             | \$1.362000         | \$2.370000  | \$2.473000  | \$2.629000  |
| Sub-Total O & M Costs (Including Internal Labor (Govt. FTE)): | \$27.910000        | \$29.515000 | \$28.478000 | \$31.519000 |
| Total Cost (Including Internal Labor (Govt. FTE)):            | \$46.187000        | \$51.546000 | \$50.306000 | \$56.379000 |
| Total Cost Internal Labor (Govt. FTE) costs:                  | \$2.770000         | \$3.834000  | \$4.001000  | \$4.253000  |
| # of FTE rep by costs:  | 16                 | 21          | 21          | 21          |
| Total change from prior year final President's Budget (\$)    |                    | \$5.359000  | \$-1.239000 |             |
| Total change from prior year final President's Budget         |                    | 11.60%      | -2.40%      |             |

Table I.C.1 Life Cycle Costs

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

2.
  - a. In which year did or will this investment begin? (specify year - e.g., PY-1= 2019)  
1994
  - b. In which year will this investment reach the end of its estimated useful life? (specify year - e.g., FY+5 = 2027)  
2032
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):

Resources aligned to increase rate of modernization projects prioritized by governance bodies in FY20. In FY21 NSF sought to increase efficiencies of secure, reliable operations in order to reinvest in continuous modernization.

## Business Case Detail: Performance Measurement Report

### Section A1: General Information

1. **Name of this Investment:** MISSION SUPPORT SYSTEMS
2. **Unique Investment Identifier (UII):** 422-000001328

## 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? |
|-------------------|--|---|--------------------|-------------------------|------------------------------|-------------------|
| 3829              | Preparation for iTRAK Migration (LMA)                            |   | 10/01/2011         | 01/31/2013              | \$3.9                        |                   |
| 3830              | Services for Institutions (LMA)                                  |   | 04/01/2011         | 09/30/2012              | \$8.8                        |                   |
| 3831              | Technology Upgrades (LMA)  |   | 10/01/2010         | 09/30/2012              | \$3.2                        |                   |
| 3832              | Services for Staff (LMA)   |   | 04/01/2011         | 09/30/2012              | \$13.2                       |                   |
| 79532             | iTRAK Integration (LMA)  |   | 10/01/2012         | 09/30/2013              | \$0.9                        |                   |
| 161131            | Transaction Services   |   | 07/01/2013         | 09/30/2014              | \$2.2                        |                   |
| 161137            | Reference Data   |   | 08/01/2013         | 09/30/2014              | \$2.5                        |                   |
| 161145            | Institution  |   | 10/01/2013         | 09/30/2014              | \$0.5                        |                   |
| 161273            | Public Access NSF  |   | 10/01/2013         | 09/30/2018              | \$6.1                        |                   |
| 161277            | Proposal Management Efficiencies (LMA)                           |   | 10/01/2014         | 09/30/2016              | \$13.4                       |                   |
| 172022            | Proposal Management Efficiencies                                 |   | 10/01/2016         | 09/30/2017              | \$13.2                       |                   |
| 172029            | Web Modernization  |   | 04/01/2017         | 09/30/2017              | \$0.5                        |                   |
| 172687            | Awards Modernization   | Migrate functionality to modernized applications and decommission the Awards client server application.                         | 10/01/2017         | 09/30/2021              | \$9.9                        | Yes               |
| 172686            | PARS Modernization   | Migrate functionality to modernized applications and decommission the PARS client server application.                           | 10/01/2017         | 12/31/2021              | \$6.5                        | Yes               |
| 172668            | Proposal Submission Modernization - Pilot Release & Enhancements | Release the pilot to modernize the proposal preparation and submission capabilities and additional enhancements for the Agency. | 10/01/2017         | 09/30/2021              | \$25.2                       | Yes               |
| 172663            | MyNSF Features   | Develop enterprise wide features as common functionality to the Agency.   | 10/01/2017         | 09/30/2020              | \$2.4                        | Yes               |
| 173326            | Enterprise Role Management and Certification                     | Implement an Enterprise Role Management system to manage internal user  | 10/01/2017         | 04/30/2020              | \$2.1                        | Yes               |

Projects Table C.1

| Unique Project ID | Project Name  | Project Goal  | Project Start Date | Project Completion Date | Project Lifecycle Cost (\$M) | Software Project? |
|-------------------|---|---|--------------------|-------------------------|------------------------------|-------------------|
|                   |   | role/access to systems, services and functionalities. Migrate current capabilities from the legacy UPM system and provide a certification framework for user role/access. |                    |                         |                              |                   |
| 173349            | Web Modernization III                               | Modernization of the NSF.gov website with a new content management tool solution, part III.   | 08/07/2018         | 03/31/2020              | \$1.8                        | Yes               |
| 174610            | Public Access - FY21                                | Provide greater discovery, access, and use of the products of NSF research. Specifically, research data in support of publications.                                       | 10/01/2020         | 09/30/2022              | \$2.5                        | Yes               |
| 174605            | Interactive Panel System Replacement                | Modernization/Replacement of the current interactive panel system.  | 10/01/2020         | 09/30/2022              | \$4.2                        | Yes               |
| 174600            | Intelligent Automation of Grants Management Systems | Enhancements to IT systems/applications that support the Grants Management Lifecycle.   | 10/01/2020         | 09/30/2022              | \$15.9                       | Yes               |
| 175384            | Web Modernization IV                                | Modernization of the NSF.gov website with a new content management tool solution, part IV.  | 10/01/2020         | 09/30/2021              | \$2.9                        | Yes               |

## 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 |
|-------------------|---------------|----------------------|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|-------------------|---------------|----------------------|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|



|        |   |   |          |            |            |            |            |            |            |          |          |          |
|--------|---|---|----------|------------|------------|------------|------------|------------|------------|----------|----------|----------|
| 161273 | PA - Development Phase 1                      | Support required to broaden public access to the results of NSF funded research - Phase 1               | 161273.1 | 2013-10-01 | 2013-10-01 | 2013-10-01 | 2014-03-31 | 2014-03-31 | 2014-03-31 | 0.045000 | 0.045000 | 0.045000 |
| 161273 | PA - Development Phase 2                      | Support required to broaden public access to the results of NSF funded research - Phase 2               | 161273.2 | 2014-04-01 | 2014-04-01 | 2014-04-01 | 2014-09-30 | 2014-09-30 | 2014-09-30 | 0.202000 | 0.190000 | 0.190000 |
| 161273 | PA - Development Phase 3                      | Support required to broaden public access to the results of NSF funded research - Phase 3               | 161273.3 | 2014-10-01 | 2014-10-01 | 2014-10-01 | 2015-03-31 | 2015-03-31 | 2015-03-31 | 1.223000 | 1.780000 | 1.780000 |
| 161277 | Modernizing Aging Server Technology - Phase 1 | Support required to transition client server eBusiness systems to modern web-based technology - Phase 1 | 161277.1 | 2014-10-01 | 2014-10-01 | 2014-10-01 | 2015-03-31 | 2015-03-31 | 2015-03-31 | 2.520000 | 1.987000 | 1.987000 |
| 161273 | PA - Development Phase 4                      | Support required to broaden public access to the results of NSF funded research - Phase 4               | 161273.4 | 2015-04-01 | 2015-04-01 | 2015-04-01 | 2015-09-30 | 2015-09-30 | 2015-09-30 | 1.628000 | 0.823000 | 0.823000 |
| 161277 | Modernizing Aging Server Technology - Phase 2 | Support required to transition client server eBusiness  | 161277.2 | 2015-04-01 | 2015-04-01 | 2015-04-01 | 2015-09-30 | 2015-09-30 | 2015-09-30 | 3.463000 | 3.478000 | 3.478000 |

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 |
|-------------------|---|---|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   |   | systems to modern web-based technology - Phase 2  |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 161277            | Modernizing Aging Server Technology - Phase 3 | Support required to transition client server eBusiness systems to modern web-based technology - Phase 3 | 161277.3     | 2015-10-01         | 2015-10-01           | 2015-10-01        | 2015-12-31              | 2015-12-31                | 2015-12-31             | 1.850000            | 1.971000              | 1.971000           |
| 161273            | PA - Development Phase 5                      | Support required to broaden public access to the results of NSF funded research - Phase 5               | 161273.5     | 2015-10-01         | 2015-10-01           | 2015-10-01        | 2016-03-31              | 2016-03-31                | 2016-03-31             | 1.210000            | 1.184000              | 1.184000           |
| 161277            | Modernizing Aging Server Technology - Phase 4 | Support required to transition client server eBusiness systems to modern web-based technology - Phase 4 | 161277.4     | 2016-01-01         | 2016-01-01           | 2016-01-01        | 2016-03-31              | 2016-03-31                | 2016-03-31             | 1.850000            | 1.768000              | 1.768000           |
| 161277            | Modernizing Aging Server Technology - Phase 5 | Support required to transition client server eBusiness systems to modern web-based technology -         | 161277.5     | 2016-04-01         | 2016-04-01           | 2016-04-01        | 2016-06-30              | 2016-06-30                | 2016-06-30             | 1.850000            | 1.843000              | 1.843000           |

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 |
|-------------------|--|---|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   |  | Phase 5   |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 161273            | PA - Development Phase 6   | Support required to broaden public access to the results of NSF funded research - Phase 6                       | 161273.6     | 2016-04-01         | 2016-04-01           | 2016-04-01        | 2016-09-30              | 2016-09-30                | 2016-09-30             | 0.085000            | 0.021000              | 0.021000           |
| 161277            | Modernizing Aging Server Technology - Phase 6                    | Support required to transition client server eBusiness systems to modern web-based technology - Phase 6         | 161277.6     | 2016-07-01         | 2016-07-01           | 2016-07-01        | 2016-09-30              | 2016-09-30                | 2016-09-30             | 1.850000            | 1.885000              | 1.885000           |
| 172022            | Migration & Modernization of Merit Review Applications - Phase 1 | Support required to migrate and modernized eBusiness systems from existing to modernized applications - phase 1 | 172022.1     | 2016-10-01         | 2016-10-01           | 2016-10-01        | 2017-03-31              | 2017-03-31                | 2017-03-31             | 6.615000            | 6.137000              | 6.137000           |
| 172022            | Migration & Modernization of Merit Review Applications - Phase 2 | Support required to migrate and modernized eBusiness systems from existing to modernized applications - phase 2 | 172022.2     | 2017-04-01         | 2017-04-01           | 2017-04-01        | 2017-09-30              | 2017-09-30                | 2017-09-30             | 6.615000            | 7.542000              | 7.542000           |
| 172029            | Content Management System  | Support to implement a content  | 172029.1     | 2017-04-01         | 2017-04-01           | 2017-04-01        | 2017-09-30              | 2017-09-30                | 2017-09-30             | 0.500000            | 0.550000              | 0.550000           |

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 |
|-------------------|--|--|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   | Implementation - Phase 1                   | manangement system for the Agency - Phase 1  |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 173326            | UPM Retirement - FY18 Q1                   | UPM Translation Engine   | 173326.1     | 2017-10-01         | 2017-10-01           | 2017-10-01        | 2017-12-31              | 2017-12-31                | 2017-12-31             | 0.178000            | 0.178000              | 0.178000           |
| 172668            | PCV FY18 - 1                               | PCV Continuous Enhancements - January Release  | 172668.1     | 2017-10-01         | 2017-10-01           | 2017-10-01        | 2018-01-31              | 2018-01-31                | 2018-01-31             | 0.300000            | 0.255000              | 0.255000           |
| 172668            | PSM Phase 1 FY18 - 1                       | PSM Initial Rollout - February Release   | 172668.2     | 2017-10-01         | 2017-10-01           | 2017-10-01        | 2018-02-28              | 2018-02-28                | 2018-02-28             | 1.625000            | 1.930000              | 1.930000           |
| 172668            | PCV FY18 - 2                               | PCV Continuous Enhancements - February Release   | 172668.3     | 2018-02-01         | 2018-02-01           | 2018-02-01        | 2018-02-28              | 2018-02-28                | 2018-02-28             | 0.075000            | 0.072000              | 0.072000           |
| 172663            | Foundation Functionality Release - Phase 1 | Release of new functionality that creates more integrated and intuitive user experience within the merit review process - phase 1  | 172663.1     | 2017-10-01         | 2017-10-01           | 2017-10-01        | 2018-03-31              | 2018-03-31                | 2018-03-31             | 0.470000            | 0.459000              | 0.459000           |
| 172686            | PARS Modernization FY18 - 1                | Invitation Management - Create and Edit Reviewer Records and additional enhancements/main tenance for the existing functionality - | 172686.1     | 2017-10-01         | 2017-10-01           | 2017-10-01        | 2018-03-31              | 2018-03-31                | 2018-03-31             | 0.990000            | 0.924000              | 0.924000           |

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 |
|-------------------|-------------------------------|---|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   |                               | March Release.  |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 172687            | Awards Modernization FY18 - 1 | Create and Process Non Financial Award Actions and Generate Notice - March Release  | 172687.1     | 2017-10-01         | 2017-10-01           | 2017-10-01        | 2018-03-31              | 2018-03-31                | 2018-03-31             | 0.712000            | 0.679000              | 0.679000           |
| 173326            | UPM Retirement - FY18 Q2      | On-boarding Apps, Implement RM Functions in SailPoint, Translation Engine   | 173326.2     | 2018-01-01         | 2018-01-01           | 2018-01-01        | 2018-03-31              | 2018-03-31                | 2018-03-31             | 0.295000            | 0.295000              | 0.295000           |
| 172668            | PSM Phase 1 FY18 - 2          | PSM Maintainance and Enhancements - April Release   | 172668.4     | 2018-03-01         | 2018-03-01           | 2018-03-01        | 2018-04-30              | 2018-04-30                | 2018-04-30             | 0.650000            | 0.880000              | 0.880000           |
| 172668            | PCV FY18 - 3                  | PCV Continuous Enhancements - April Release   | 172668.5     | 2018-03-01         | 2018-03-01           | 2018-03-01        | 2018-04-30              | 2018-04-30                | 2018-04-30             | 0.150000            | 0.136000              | 0.136000           |
| 172687            | Awards Modernization FY18 - 2 | Create and Process Non Financial Award Actions - April Release and Process Funded Proposals on Existing Awards - preparation for July Release | 172687.2     | 2018-01-01         | 2018-01-01           | 2018-01-01        | 2018-04-30              | 2018-04-30                | 2018-04-30             | 0.317000            | 0.313000              | 0.313000           |
| 172686            | PARS Modernization FY18 - 2   | Invitation Management - Create and Edit Reviewer  | 172686.2     | 2018-04-01         | 2018-04-01           | 2018-04-01        | 2018-06-30              | 2018-06-30                | 2018-06-30             | 0.270000            | 0.274000              | 0.274000           |

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 |
|-------------------|--|---|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   |  | Records and additional enhancements/main tenance for the existing functionality - June Release.                                   |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 173326            | Certification Framework - FY18 Q3          | Build Certification Framework, on-board IPP application for certification and iTRAK application for access/role management        | 173326.3     | 2018-04-01         | 2018-04-01           | 2018-04-01        | 2018-06-30              | 2018-06-30                | 2018-06-30             | 0.357000            | 0.339000              | 0.339000           |
| 172668            | PSM Phase 1 FY18 - 3                       | PSM Continuous Enhancements - July Release  | 172668.6     | 2018-05-01         | 2018-05-01           | 2018-05-01        | 2018-07-31              | 2018-07-31                | 2018-07-31             | 1.025000            | 1.019000              | 1.019000           |
| 172663            | Foundation Functionality Release - Phase 2 | Release of new functionality that creates more integrated and intuitive user experience within the merit review process - phase 2 | 172663.2     | 2018-04-01         | 2018-04-01           | 2018-04-01        | 2018-09-30              | 2018-09-30                | 2018-09-30             | 0.750000            | 0.742000              | 0.742000           |
| 172668            | PCV FY18 - 4                               | PCV Continuous Enhancements - September Release   | 172668.7     | 2018-05-01         | 2018-05-01           | 2018-05-01        | 2018-09-30              | 2018-09-30                | 2018-09-30             | 0.375000            | 0.374000              | 0.374000           |
| 172668            | PSM Phase 1 FY18 - 4                       | PSM Continuous Enhancements - September Release   | 172668.8     | 2018-08-01         | 2018-08-01           | 2018-08-01        | 2018-09-30              | 2018-09-30                | 2018-09-30             | 0.650000            | 0.550000              | 0.550000           |

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 |
|-------------------|-------------------------------|--|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
| 172687            | Awards Modernization FY18 - 3 | Process Funded Proposals on Existing Awards - July Release, and approve other admin no-fund actions.   | 172687.3     | 2018-04-01         | 2018-04-01           | 2018-04-01        | 2018-09-30              | 2018-09-30                | 2018-09-30             | 0.817000            | 1.004000              | 1.004000           |
| 173326            | UPM Retirement - FY18 Q4      | ITRAK & Non UPM Functions  | 173326.4     | 2018-07-01         | 2018-07-01           | 2018-07-01        | 2018-09-30              | 2018-09-30                | 2018-09-30             | 0.344000            | 0.339000              | 0.339000           |
| 173349            | Web Mod III FY19 - 1          | Establish beta in NSF managed cloud, begin development   | 173349.1     | 2018-08-07         | 2018-08-07           | 2018-08-07        | 2018-09-30              | 2018-09-30                | 2018-09-30             | 0.135000            | 0.135000              | 0.135000           |
| 172686            | PARS Modernization FY18 - 3   | Invitation Management - Check and Track Meeting Participants and additional enhancements/ maintenance for the existing functionality - October Release | 172686.3     | 2018-03-01         | 2018-03-01           | 2018-03-01        | 2018-10-30              | 2018-10-30                | 2018-10-30             | 1.080000            | 0.948000              | 0.948000           |
| 172668            | PSM Phase 1 FY19 - 1          | PSM Continuous Enhancements - November Release   | 172668.9     | 2018-10-01         | 2018-10-01           | 2018-10-01        | 2018-11-30              | 2018-11-30                | 2018-11-30             | 0.550000            | 0.500000              | 0.500000           |
| 172668            | PCV FY19 - 1                  | PCV Continuous Enhancements - November Release   | 172668.10    | 2018-10-01         | 2018-10-01           | 2018-10-01        | 2018-11-30              | 2018-11-30                | 2018-11-30             | 0.150000            | 0.072000              | 0.072000           |
| 172686            | PARS Modernization            | Invitation Management -  | 172686.4     | 2018-10-01         | 2018-10-01           | 2018-10-01        | 2018-11-30              | 2018-11-30                | 2018-11-30             | 0.148000            | 0.135000              | 0.135000           |

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 |
|-------------------|-------------------------------|--|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   | FY19 - 1                      | Check and Track Meeting Participant Availability (FY19 work only)  |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 172687            | Awards Modernization FY19 - 1 | Process Post Award Funded Actions  | 172687.4     | 2018-10-01         | 2018-10-01           | 2018-10-01        | 2018-11-30              | 2018-11-30                | 2018-11-30             | 0.238000            | 0.260000              | 0.260000           |
| 173349            | Web Mod III FY19 - 2          | Release production sites including /careers and OLPA speaker's bureau  | 173349.2     | 2018-10-01         | 2018-10-01           | 2018-10-01        | 2018-12-31              | 2018-12-31                | 2018-12-31             | 0.259000            | 0.278000              | 0.278000           |
| 173326            | UPM Retirement - FY19 Q1      | Implement RM Functions in SailPoint & On-boarding Apps   | 173326.5     | 2018-09-24         | 2018-09-24           | 2018-09-24        | 2019-01-05              | 2019-01-05                | 2019-01-05             | 0.213000            | 0.115000              | 0.115000           |
| 172668            | PSM Phase 1 FY19 - 2          | PSM Continuous Enhancements - January Release  | 172668.11    | 2018-12-01         | 2018-12-01           | 2018-12-01        | 2019-01-31              | 2019-01-31                | 2019-01-31             | 0.550000            | 0.488000              | 0.488000           |
| 172668            | PCV FY19 - 2                  | PCV Continuous Enhancements - January Release  | 172668.12    | 2018-12-01         | 2018-12-01           | 2018-12-01        | 2019-01-31              | 2019-01-31                | 2019-01-31             | 0.150000            | 0.066000              | 0.066000           |
| 172686            | PARS Modernization FY19 - 2   | Invitation Management - Check and Track Ad Hoc Reviewers and additional enhancements/main tenance for the existing functionality | 172686.5     | 2018-10-01         | 2018-10-01           | 2018-10-01        | 2019-02-28              | 2019-02-28                | 2019-02-28             | 0.370000            | 0.256000              | 0.256000           |
| 173326            | UPM                           | Implement RM   | 173326.6     | 2019-01-07         | 2019-01-07           | 2019-01-07        | 2019-03-29              | 2019-03-29                | 2019-03-29             | 0.115000            | 0.117000              | 0.117000           |



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 |
|-------------------|--|---|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   | Retirement - FY19 Q2                       | Functions in SailPoint & On-boarding Apps   |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 172663            | Foundation Functionality Release - Phase 3 | Release of new functionality that creates more integrated and intuitive user experience within the merit review process - phase 3 | 172663.3     | 2018-10-01         | 2018-10-01           | 2018-10-01        | 2019-03-31              | 2019-03-31                | 2019-03-31             | 0.596000            | 0.616000              | 0.616000           |
| 172687            | Awards Modernization FY19 - 2              | Process New Awards  | 172687.5     | 2018-11-01         | 2018-11-01           | 2018-11-01        | 2019-03-31              | 2019-03-31                | 2019-03-31             | 0.633000            | 0.626000              | 0.626000           |
| 173349            | Web Mod III FY19 - 3                       | Funding lists, some OLPA products   | 173349.3     | 2019-01-01         | 2019-01-01           | 2019-01-01        | 2019-03-31              | 2019-03-31                | 2019-03-31             | 0.259000            | 0.255000              | 0.255000           |
| 172668            | PSM Phase 1 FY19 - 3                       | PSM Continuous Enhancements - May Release   | 172668.13    | 2019-02-01         | 2019-02-01           | 2019-02-01        | 2019-05-31              | 2019-05-31                | 2019-05-31             | 1.100000            | 1.171000              | 1.171000           |
| 172668            | PCV FY19 - 3                               | PCV Continuous Enhancements - May Release   | 172668.14    | 2019-02-01         | 2019-02-01           | 2019-02-01        | 2019-05-31              | 2019-05-31                | 2019-05-31             | 0.300000            | 0.189000              | 0.189000           |
| 173326            | UPM Retirement - FY19 Q3                   | Implement RM Functions in SailPoint & On-boarding Apps, Role Certification  | 173326.7     | 2019-03-31         | 2019-03-31           | 2019-03-31        | 2019-06-21              | 2019-06-21                | 2019-06-21             | 0.059000            | 0.053000              | 0.053000           |
| 172686            | PARS Modernization FY19 - 3                | Profile Management - Reviewer Profile and additional enhancements/main tenance for the existing                                   | 172686.6     | 2018-12-01         | 2018-12-01           | 2018-12-01        | 2019-06-30              | 2019-06-30                | 2019-06-30             | 0.418000            | 0.402000              | 0.402000           |

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 |
|-------------------|--|---|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   |  | functionality   |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 172687            | Awards Modernization FY19 - 3              | Process Reductions and Cancellations  | 172687.6     | 2019-03-01         | 2019-03-01           | 2019-03-01        | 2019-06-30              | 2019-06-30                | 2019-06-30             | 0.554000            | 0.674000              | 0.674000           |
| 173349            | Web Mod III FY19 - 4                       | Publications management, more OLPA products   | 173349.4     | 2019-04-01         | 2019-04-01           | 2019-04-01        | 2019-06-30              | 2019-06-30                | 2019-06-30             | 0.259000            | 0.281000              | 0.281000           |
| 173326            | UPM Retirement - FY19 Q4                   | Implement RM Functions in SailPoint & On-boarding Apps  | 173326.8     | 2019-06-23         | 2019-06-23           | 2019-06-23        | 2019-09-13              | 2019-09-13                | 2019-09-13             | 0.085000            | 0.049000              | 0.049000           |
| 172663            | Foundation Functionality Release - Phase 4 | Release of new functionality that creates more integrated and intuitive user experience within the merit review process - phase 4 | 172663.4     | 2019-04-01         | 2019-04-01           | 2019-04-01        | 2019-09-30              | 2019-09-30                | 2019-09-30             | 0.315000            | 0.304000              | 0.304000           |
| 173349            | Web III_19.05                              | REU, NMS, similar apps/searches - Phase 1   | 173349.5     | 2019-07-01         | 2019-07-01           | 2019-07-01        | 2019-09-30              | 2019-09-30                | 2019-09-30             | 0.289000            | 0.369000              | 0.369000           |
| 172686            | PARS Modernization FY19 - 4                | Profile Management - Create, Delete and additional Edits for Internal PI records  | 172686.7     | 2019-03-01         | 2019-03-01           | 2019-03-01        | 2019-09-30              | 2019-09-30                | 2019-09-30             | 0.649000            | 0.568000              | 0.568000           |
| 172668            | PSM Phase 1 FY19 - 4                       | PSM Continuous Enhancements - September Release   | 172668.15    | 2019-06-02         | 2019-06-02           | 2019-06-02        | 2019-09-30              | 2019-09-30                | 2019-09-30             | 1.100000            | 1.470000              | 1.470000           |
| 172668            | PCV FY19 - 4                               | PCV   | 172668.16    | 2019-06-02         | 2019-06-02           | 2019-06-02        | 2019-09-30              | 2019-09-30                | 2019-09-30             | 0.300000            | 0.324000              | 0.324000           |

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 |
|-------------------|-------------------------------------|--|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   |                                     | Continuous Enhancements - September Release                                    |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 172687            | Awards Modernization FY19 - 4       | Process New Awards   | 172687.7     | 2019-07-01         | 2019-07-01           | 2019-07-01        | 2019-10-30              | 2019-10-30                | 2019-10-30             | 0.892000            | 0.959000              | 0.959000           |
| 172668            | PSM FY20 R1 - Database Enhancements | PSM - November Release - Upgrade Database to UTF8 and replatform to x86        | 172668.17    | 2019-10-01         | 2019-10-01           | 2019-10-01        | 2019-11-30              | 2019-11-30                | 2019-11-30             | 0.700000            | 0.790000              | 0.790000           |
| 172668            | PCV FY20 R1 - Database Enhancements | PCV - November Release - Upgrade Database to UTF8 and replatform to x86        | 172668.18    | 2019-10-01         | 2019-10-01           | 2019-10-01        | 2019-11-30              | 2019-11-30                | 2019-11-30             | 0.150000            | 0.052000              | 0.052000           |
| 173326            | UPM Retirement - FY20 Q1            | Implement RM Functions in SailPoint & On-boarding Apps - Analysis Test Release | 173326.9     | 2019-09-16         | 2019-09-16           | 2019-09-16        | 2019-12-06              | 2019-12-06                | 2019-12-06             | 0.250000            | 0.014000              | 0.014000           |
| 172668            | PSM FY20 R2 - PAPPG                 | PSM - January Release - Update forms and rules for PAPPG 2020 Compliance       | 172668.19    | 2019-12-01         | 2019-12-01           | 2019-12-01        | 2020-01-30              | 2020-01-30                | 2020-01-30             | 0.700000            | 1.059000              | 1.059000           |
| 172668            | PCV FY20 R2 - PAPPG                 | PCV - January Release - Update rules for PAPPG 2020 Compliance                 | 172668.20    | 2019-12-01         | 2019-12-01           | 2019-12-01        | 2020-01-30              | 2020-01-30                | 2020-01-30             | 0.150000            | 0.084000              | 0.084000           |

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 |
|-------------------|--|---|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
| 172687            | Awards Modernization FY20 - 1              | Process New Awards Enhancements   | 172687.8     | 2019-10-01         | 2019-10-01           | 2019-10-01        | 2020-01-31              | 2020-01-31                | 2020-01-31             | 0.819000            | 0.762000              | 0.762000           |
| 172686            | PARS Modernization FY20 - 1                | ACS Support - Add Thematic Codes to Meetings  | 172686.8     | 2019-10-01         | 2019-10-01           | 2019-10-01        | 2020-01-31              | 2020-01-31                | 2020-01-31             | 0.431000            | 0.350000              | 0.350000           |
| 172663            | Foundation Functionality Release - Phase 5 | Release of new functionality that creates more integrated and intuitive user experience within the merit review process - phase 5 | 172663.5     | 2019-10-01         | 2019-10-01           | 2019-10-01        | 2020-03-31              | 2020-03-31                | 2020-03-31             | 0.165000            | 0.207000              | 0.207000           |
| 173349            | Web III_19.06                              | REU, NMS, similar apps/searches - Phase 2   | 173349.6     | 2019-10-01         | 2019-10-01           | 2019-10-01        | 2020-03-31              | 2020-03-31                | 2020-03-31             | 0.585000            | 0.639000              | 0.639000           |
| 172687            | Awards Modernization FY20 - 2              | Process Cancellations   | 172687.9     | 2020-01-01         | 2020-01-01           | 2020-01-01        | 2020-03-31              | 2020-03-31                | 2020-03-31             | 0.683000            | 0.690000              | 0.690000           |
| 172668            | PSM FY20 R3 - Platform Upgrade             | PSM - March Release - Upgrade OS from RHEL 6 to AL2   | 172668.21    | 2020-02-01         | 2020-02-01           | 2020-02-01        | 2020-03-31              | 2020-03-31                | 2020-03-31             | 0.400000            | 0.552000              | 0.552000           |
| 172668            | PCV FY20 R3 - Platform Upgrade             | PCV - March Release - Upgrade OS from RHEL 6 to AL2   | 172668.22    | 2020-02-01         | 2020-02-01           | 2020-02-01        | 2020-03-31              | 2020-03-31                | 2020-03-31             | 0.100000            | 0.044000              | 0.044000           |
| 173326            | UPM Retirement - FY20 Q2                   | Implement RM Functions in SailPoint & On-boarding Apps  | 173326.10    | 2019-12-09         | 2019-12-09           | 2019-12-09        | 2020-04-30              | 2020-04-30                | 2020-04-30             | 0.250000            | 0.528000              | 0.528000           |
| 172687            | Awards Modernization                       | Process Reductions  | 172687.10    | 2020-04-01         | 2020-04-01           | 2020-04-01        | 2020-06-30              | 2020-06-30                | 2020-06-30             | 0.755000            | 0.788000              | 0.788000           |

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 |
|-------------------|--|---|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   | FY20 - 3                                   |   |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 172686            | PARS Modernization FY20 - 2                | Profile Management - Reviewer and PI Merge, and additional enhancements/main tenance for the existing functionality               | 172686.9     | 2020-01-01         | 2020-01-01           | 2020-01-01        | 2020-06-30              | 2020-06-30                | 2020-06-30             | 0.400000            | 0.508000              | 0.508000           |
| 172668            | PSM FY20 R4 - Multi-Org Collab             | PSM - June Release - Enhance to support Collaborative Proposals from Multiple Organizations                                       | 172668.23    | 2020-02-01         | 2020-02-01           | 2020-02-01        | 2020-06-30              | 2020-06-30                | 2020-06-30             | 2.005000            | 2.325000              | 2.325000           |
| 172668            | PCV FY20 R4 - Multi-Org Collab             | PCV - June Release - Enhance to support Collaborative Proposals from Multiple Organizations                                       | 172668.24    | 2020-02-01         | 2020-02-01           | 2020-02-01        | 2020-06-30              | 2020-06-30                | 2020-06-30             | 0.190000            | 0.186000              | 0.186000           |
| 172663            | Foundation Functionality Release - Phase 6 | Release of new functionality that creates more integrated and intuitive user experience within the merit review process - phase 6 | 172663.6     | 2020-04-01         | 2020-04-01           | 2020-04-01        | 2020-09-30              | 2020-09-30                | 2020-09-30             | 0.146000            | 0.203000              | 0.203000           |
| 172687            | Awards Modernization FY20 - 4              | Process PI Transfers  | 172687.11    | 2020-07-01         | 2020-07-01           | 2020-07-01        | 2020-09-30              | 2020-09-30                | 2020-09-30             | 0.826000            | 0.848000              | 0.848000           |
| 172686            | PARS Modernization                         | Check & Track Participant   | 172686.10    | 2020-07-01         | 2020-07-01           | 2020-07-01        | 2020-09-30              | 2020-09-30                | 2020-09-30             | 0.200000            | 0.308000              | 0.308000           |

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 |
|-------------------|---------------------------------------|--|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   | FY20 - 3                              | Availability enhancements  |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 172668            | PSM FY20 R5 - Feature Enhancements    | PSM - September Release - Enhance to support Withdraw Proposal                   | 172668.25    | 2020-07-01         | 2020-07-01           | 2020-07-01        | 2020-09-30              | 2020-09-30                | 2020-09-30             | 1.320000            | 1.819000              | 1.819000           |
| 172668            | PCV FY20 R5 - Feature Enhancements    | PCV - September Release - Enhance to support Withdraw Proposal                   | 172668.26    | 2020-07-01         | 2020-07-01           | 2020-07-01        | 2020-09-30              | 2020-09-30                | 2020-09-30             | 0.170000            | 0.137000              | 0.137000           |
| 175384            | Web IV_21.01 oct                      | working with pilot org on content migration, launch funding search               | 175384.1     | 2020-10-01         | 2020-10-01           | 2020-10-01        | 2020-10-31              | 2020-10-31                | 2020-10-31             | 0.220000            | 0.201000              | 0.201000           |
| 175384            | Web IV_21.02 nov                      | Events MVP, events management  | 175384.2     | 2020-11-01         | 2020-11-01           | 2020-11-01        | 2020-11-30              | 2020-11-30                | 2020-11-30             | 0.220000            | 0.191000              | 0.191000           |
| 172668            | PSM/PCV FY21 R1 – Demo Site           | PSM – Q1 Release – Add the remaining forms required for all possible submissions | 172668.27    | 2020-10-01         | 2020-10-01           | 2020-10-01        | 2020-12-30              | 2020-12-30                | 2020-12-30             | 0.400000            | 0.543000              | 0.543000           |
| 172668            | PSM/PCV FY21 R2 – Cloud Migration     | PSM – Q1 Release – Add the remaining forms required for all possible submissions | 172668.28    | 2020-10-01         | 2020-10-01           | 2020-10-01        | 2020-12-30              | 2020-12-30                | 2020-12-30             | 0.700000            | 1.948000              | 1.948000           |
| 172668            | PSM/PCV FY21 R2 – Additional Proposal | PSM – Q1 Release – Add additional proposal types:                                | 172668.29    | 2020-10-01         | 2020-10-01           | 2020-10-01        | 2020-12-30              | 2020-12-30                | 2020-12-30             | 0.400000            | 0.555000              | 0.555000           |

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 |
|-------------------|---|---|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   | Types                                       | RAPID, EAGER, RAISE proposal types  |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 174605            | IPS Replacement - Q1                        | IPS Replacement Release 1   | 174605.1     | 2020-10-01         | 2020-10-01           | 2020-10-01        | 2020-12-31              | 2020-12-31                | 2020-12-31             | 0.096000            | 0.096000              | 0.096000           |
| 174600            | Grants Management Enhancement - Q1          | Grants Management System Release 1  | 174600.1     | 2020-10-01         | 2020-10-01           | 2020-10-01        | 2020-12-31              | 2020-12-31                | 2020-12-31             | 0.851000            | 0.851000              | 0.851000           |
| 175384            | Web IV_21.03 dec                            | identify and define OLPA content types, begin migration,                                      | 175384.3     | 2020-12-01         | 2020-12-01           | 2020-12-01        | 2020-12-31              | 2020-12-31                | 2020-12-31             | 0.220000            | 0.181000              | 0.181000           |
| 172687            | Awards Modernization FY21 - 1               | Process PI Transfers  | 172687.12    | 2020-10-01         | 2020-10-01           | 2020-10-01        | 2020-12-31              | 2020-12-31                | 2020-12-31             | 0.655000            | 0.634000              | 0.634000           |
| 175384            | Web IV_21.04 jan                            | working on multiple migrations  | 175384.4     | 2021-01-01         | 2021-01-01           | 2021-01-01        | 2021-01-31              | 2021-01-31                | 2021-01-31             | 0.220000            | 0.213000              | 0.213000           |
| 175384            | Web IV_21.05 feb new contract               | contract transition   | 175384.5     | 2021-02-06         | 2021-02-06           | 2021-02-06        | 2021-02-28              | 2021-02-28                | 2021-02-28             | 0.220000            | 0.221000              | 0.221000           |
| 174605            | IPS Replacement - Q2                        | IPS Replacement Release 2   | 174605.2     | 2021-01-01         | 2021-01-01           | 2021-01-01        | 2021-03-31              | 2021-03-31                | 2021-03-31             | 0.082000            | 0.072000              | 0.072000           |
| 174600            | Grants Management Enhancement - Q2          | Grants Management System Release 2  | 174600.2     | 2021-01-01         | 2021-01-01           | 2020-12-31        | 2021-03-31              | 2021-03-31                | 2021-03-31             | 1.039000            | 0.943000              | 0.943000           |
| 172668            | PSM/PCV FY21 R3 – Additional Proposal Types | PSM – Q2 Release – Add additional proposal types: Conferences, Ideas Lab, Centers, Equipment, | 172668.30    | 2021-01-01         | 2021-01-01           | 2021-01-01        | 2021-03-31              | 2021-03-31                | 2021-03-31             | 1.500000            | 0.824000              | 0.824000           |

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 |
|-------------------|---|--|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   |   | travel, GOALI, FASED and SBIR/STTR   |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 172668            | PSM/PCV FY21 R4 – Additional Submission Types | PSM – Q2 Release – Add additional submission types: Letter of Intent, Preliminary Proposals, Special Post Doctoral Submissions | 172668.31    | 2021-01-01         | 2021-01-01           | 2021-01-01        | 2021-03-31              | 2021-03-31                | 2021-03-31             | 1.500000            | 0.824000              | 0.824000           |
| 172668            | PSM/PCV FY21 R4 – Proposal Withdrawals        | PSM – Q2 Release – Add Post-Doctoral and Other Unique Submissions types  | 172668.32    | 2021-01-01         | 2021-01-01           | 2021-01-01        | 2021-03-31              | 2021-03-31                | 2021-03-31             | 1.000000            | 0.549000              | 0.549000           |
| 175384            | Web IV_21.06 march                            | build new home page on beta  | 175384.6     | 2021-03-01         | 2021-03-01           | 2021-03-01        | 2021-03-31              | 2021-03-31                | 2021-03-31             | 0.220000            | 0.220000              | 0.241300           |
| 172687            | Awards Modernization FY21 - 2                 | Migrate Administrative Utilities   | 172687.13    | 2021-01-01         | 2021-01-01           | 2021-01-01        | 2021-03-31              | 2021-03-31                | 2021-03-31             | 0.655000            | 0.643000              | 0.643000           |
| 175384            | Web IV_21.07 april                            | Web IV - Web Modernization Planning 1  | 175384.7     | 2021-04-01         | 2021-04-01           | 2021-04-01        | 2021-04-30              | 2021-04-30                | 2021-04-30             | 0.235000            | 0.235000              | 0.235000           |
| 175384            | Web IV_21.08 may                              | Web IV - Web Modernization Planning 2  | 175384.8     | 2021-05-01         | 2021-05-01           | 2021-05-01        | 2021-05-31              | 2021-05-31                | 2021-05-31             | 0.225000            | 0.251000              | 0.251000           |
| 174610            | PA Datasets - FY21 Q3                         | Dataset Requirements   | 174610.1     | 2021-04-01         | 2021-04-01           | 2021-04-01        | 2021-06-30              | 2021-06-30                | 2021-06-30             | 0.370000            | 0.395000              | 0.395000           |
| 174605            | IPS Replacement - Q3                          | IPS Replacement Release 3  | 174605.3     | 2021-04-01         | 2021-04-01           | 2021-04-01        | 2021-06-30              | 2021-06-30                | 2021-06-30             | 0.086000            | 0.055000              | 0.055000           |
| 174600            | Grants Management                             | Grants Management  | 174600.3     | 2021-04-01         | 2021-04-01           | 2021-04-01        | 2021-06-30              | 2021-06-30                | 2021-06-30             | 0.844000            | 0.784000              | 0.784000           |



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 |
|-------------------|---|--|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   | Enhancement - Q3                              | System Release 3   |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 172668            | PSM/PCV FY21 R5 – Additional Submission Types | PSM – Q3 Release – Add additional submission types: Letter of Intent, Preliminary Proposals, Special Post Doctoral Submissions | 172668.33    | 2021-04-01         | 2021-04-01           | 2021-04-01        | 2021-06-30              | 2021-06-30                | 2021-06-30             | 1.500000            | 1.319000              | 1.319000           |
| 172668            | PSM/PCV FY21 R6 – Proposal Withdrawals        | PSM – Q3 Release – Add Post-Doctoral and Other Unique Submissions types  | 172668.34    | 2021-04-01         | 2021-04-01           | 2021-04-01        | 2021-06-30              | 2021-06-30                | 2021-06-30             | 1.000000            | 0.879000              | 0.879000           |
| 175384            | Web IV_21.09 june                             | Web IV - Web Modernization Planning 3  | 175384.9     | 2021-06-01         | 2021-06-01           | 2021-06-01        | 2021-06-30              | 2021-06-30                | 2021-06-30             | 0.275000            | 0.500000              | 0.500000           |
| 172687            | Awards Modernization FY21 - 3                 | Migrate Administrative Utilities   | 172687.14    | 2021-04-01         | 2021-04-01           | 2021-04-01        | 2021-06-30              | 2021-06-30                | 2021-06-30             | 0.655000            | 0.761000              | 0.761000           |
| 175384            | Web IV_21.10 july                             | Web IV - Web Modernization Planning 4  | 175384.10    | 2021-07-01         | 2021-07-01           | 2021-07-01        | 2021-07-31              | 2021-07-31                |                        | 0.275000            | 0.275000              |                    |
| 175384            | Web IV_21.11 august                           | Web IV - Web Modernization Planning 5  | 175384.11    | 2021-08-01         | 2021-08-01           |                   | 2021-08-31              | 2021-08-31                |                        | 0.300000            | 0.300000              |                    |
| 174610            | PA Datasets - FY21 Q4                         | Dataset Release 1  | 174610.2     | 2021-07-01         | 2021-07-01           | 2021-07-01        | 2021-09-30              | 2021-09-30                |                        | 0.300000            | 0.296000              |                    |
| 174605            | IPS Replacement - Q4                          | IPS Replacement Release 4  | 174605.4     | 2021-07-01         | 2021-07-01           | 2021-07-01        | 2021-09-30              | 2021-09-30                |                        | 0.087000            | 0.087000              |                    |
| 174600            | Grants Management Enhancement -               | Grants Management System   | 174600.4     | 2021-07-01         | 2021-07-01           | 2021-07-01        | 2021-09-30              | 2021-09-30                |                        | 0.895000            | 0.868000              |                    |

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 |
|-------------------|--|---|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   | Q4   | Release 4   |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 172687            | Awards Modernization FY21 - 4                  | Migrate Administrative Utilities  | 172687.15    | 2021-07-01         | 2021-07-01           | 2021-07-01        | 2021-09-30              | 2021-09-30                |                        | 0.655000            | 0.452000              |                    |
| 172668            | PSM/PCV FY21 R7 – Additional Submission Types  | PSM – Q4 Release – Add additional submission types: Renewals, Accomplished Based Renewals | 172668.35    | 2021-07-01         | 2021-07-01           | 2021-07-01        | 2021-09-30              | 2021-09-30                |                        | 1.000000            | 1.099000              |                    |
| 172668            | PSM/PCV FY21 R7 – Special document submissions | PSM – Q4 Release – Add Post-Doctoral and Other Unique Submissions types                   | 172668.36    | 2021-07-01         | 2021-07-01           | 2021-07-01        | 2021-09-30              | 2021-09-30                |                        | 1.000000            | 1.099000              |                    |
| 174610            | PA Datasets - FY22 Q1                          | Dataset Release 2   | 174610.3     | 2021-10-01         | 2021-10-01           |                   | 2021-12-31              | 2021-12-31                |                        | 0.343000            | 0.343000              |                    |
| 174605            | IPS Replacement - FY22 Q1                      | IPS Replacement Release 5   | 174605.5     | 2021-10-01         | 2021-10-01           |                   | 2021-12-31              | 2021-12-31                |                        | 0.375000            | 0.375000              |                    |
| 174600            | Grants Management Enhancement - FY22 Q1        | Grants Management System Release 5  | 174600.5     | 2021-10-01         | 2021-10-01           |                   | 2021-12-31              | 2021-12-31                |                        | 2.625000            | 2.625000              |                    |
| 174610            | PA Datasets - FY22 Q2                          | Dataset Release 3   | 174610.4     | 2022-01-01         | 2022-01-01           |                   | 2022-03-31              | 2022-03-31                |                        | 0.343000            | 0.343000              |                    |
| 174605            | IPS Replacement - FY22 Q2                      | IPS Replacement Release 6   | 174605.6     | 2022-01-01         | 2022-01-01           |                   | 2022-03-31              | 2022-03-31                |                        | 0.375000            | 0.375000              |                    |
| 174600            | Grants Management Enhancement - FY22 Q2        | Grants Management System Release 6  | 174600.6     | 2022-01-01         | 2022-01-01           |                   | 2022-03-31              | 2022-03-31                |                        | 2.625000            | 2.625000              |                    |
| 174610            | PA Datasets -                                  | Dataset   | 174610.5     | 2022-04-01         | 2022-04-01           |                   | 2022-06-30              | 2022-06-30                |                        | 0.343000            | 0.343000              |                    |

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 |
|-------------------|---|------------------------------------|--------------|--------------------|----------------------|-------------------|-------------------------|---------------------------|------------------------|---------------------|-----------------------|--------------------|
|                   | FY22 Q3                                 | Release 4                          |              |                    |                      |                   |                         |                           |                        |                     |                       |                    |
| 174605            | IPS Replacement - FY22 Q3               | IPS Replacement Release 7          | 174605.7     | 2022-04-01         | 2022-04-01           |                   | 2022-06-30              | 2022-06-30                |                        | 0.375000            | 0.375000              |                    |
| 174600            | Grants Management Enhancement - FY22 Q3 | Grants Management System Release 7 | 174600.7     | 2022-04-01         | 2022-04-01           |                   | 2022-06-30              | 2022-06-30                |                        | 2.625000            | 2.625000              |                    |
| 174610            | PA Datasets - FY22 Q4                   | Dataset Release 5                  | 174610.6     | 2022-07-01         | 2022-07-01           |                   | 2022-09-30              | 2022-09-30                |                        | 0.343000            | 0.343000              |                    |
| 174605            | IPS Replacement - FY22 Q4               | IPS Replacement Release 8          | 174605.8     | 2022-07-01         | 2022-07-01           |                   | 2022-09-30              | 2022-09-30                |                        | 0.375000            | 0.375000              |                    |
| 174600            | Grants Management Enhancement - FY22 Q4 | Grants Management System Release 8 | 174600.8     | 2022-07-01         | 2022-07-01           |                   | 2022-09-30              | 2022-09-30                |                        | 2.625000            | 2.625000              |                    |

## 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? |
|-----------|---|-----------------|--|----------------------------|-------------|------------------|-----------------------|-----------------------|--|--------------------|
| 26273     | Percent of external merit review functions accessible through a single portal | Percent         | 2 - Strategic and Business Results       |                            | 25.000000   | 68.000000        | Over target           | Annual                | 422SO18171 : Processes and Operations: Continually improve agency operations |                    |
|           |   |                 |  |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment  |                    |
|           |   |                 |  |                            | 26273       | 273343           | 64.000000             | 10/01/2020            |  |                    |
|           |   |                 |  |                            | 26273       | 250922           | 32.000000             | 10/25/2019            |  |                    |
| 26273     |   |                 |  |                            | 26273       | 232893           | 27.000000             | 10/19/2018            |  |                    |
| 26272     | Percent of internal merit review functions accessible through a single portal | Percent         | 2 - Strategic and Business Results       |                            | 65.000000   | 90.000000        | Over target           | Annual                | 422SO18171 : Processes and Operations: Continually improve agency operations |                    |
|           |   |                 |  |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment  |                    |
|           |   |                 |  |                            | 26272       | 273342           | 86.000000             | 10/01/2020            |  |                    |
|           |   |                 |  |                            | 26272       | 250921           | 83.000000             | 10/25/2019            |  |                    |
| 26272     |   |                 |  |                            | 26272       | 232892           | 79.000000             | 10/19/2018            |  |                    |
| 26271     | Improve technology, tools, functionality, and/or business processes           | Number          | 2 - Strategic and Business Results       |                            | 1.000000    | 1.000000         | Over target           | Monthly               |  |                    |
|           |   |                 |  |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment  |                    |

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

| Metric ID | Metric Description | Unit of Measure | Performance Measurement Category Mapping | Agency Baseline Capability | 2020 Target | 2021 Target | Measurement Condition | Reporting Frequency | Agency Strategic Objective / Agency Priority Goal | Is Metric Retired? |
|-----------|--------------------|-----------------|--|----------------------------|-------------|-------------|-----------------------|---------------------|---|--------------------|
|           |                    |                 |  |                            | 26271       | 289909      | 4.000000              | 07/20/2021          |   |                    |
|           |                    |                 |  |                            | 26271       | 287779      | 3.000000              | 06/04/2021          |   |                    |
|           |                    |                 |  |                            | 26271       | 284238      | 10.000000             | 04/26/2021          |   |                    |
|           |                    |                 |  |                            | 26271       | 281873      | 5.000000              | 03/15/2021          |   |                    |
|           |                    |                 |  |                            | 26271       | 278740      | 13.000000             | 02/18/2021          |   |                    |
|           |                    |                 |  |                            | 26271       | 277533      | 2.000000              | 01/12/2021          |   |                    |
|           |                    |                 |  |                            | 26271       | 275870      | 10.000000             | 12/18/2020          |   |                    |
|           |                    |                 |  |                            | 26271       | 274536      | 3.000000              | 11/18/2020          |   |                    |
|           |                    |                 |  |                            | 26271       | 273341      | 11.000000             | 10/07/2020          |   |                    |
|           |                    |                 |  |                            | 26271       | 269676      | 8.000000              | 09/16/2020          |   |                    |
|           |                    |                 |  |                            | 26271       | 267259      | 10.000000             | 08/13/2020          |   |                    |
|           |                    |                 |  |                            | 26271       | 265359      | 10.000000             | 07/08/2020          |   |                    |
|           |                    |                 |  |                            | 26271       | 263969      | 10.000000             | 06/23/2020          |   |                    |
|           |                    |                 |  |                            | 26271       | 261289      | 7.000000              | 05/22/2020          |   |                    |
|           |                    |                 |  |                            | 26271       | 260445      | 5.000000              | 04/23/2020          |   |                    |
|           |                    |                 |  |                            | 26271       | 258808      | 2.000000              | 03/10/2020          |   |                    |
|           |                    |                 |  |                            | 26271       | 257207      | 3.000000              | 02/05/2020          |   |                    |

| 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? |
|  |                    |                 |  |                            | 26271       | 257206      | 2.000000              | 01/15/2020          |   |                    |
|  |                    |                 |  |                            | 26271       | 253585      | 10.000000             | 12/09/2019          |   |                    |
|  |                    |                 |  |                            | 26271       | 252205      | 12.000000             | 11/18/2019          |   |                    |
|  |                    |                 |  |                            | 26271       | 250919      | 8.000000              | 10/16/2019          |   |                    |
|  |                    |                 |  |                            | 26271       | 250918      | 6.000000              | 09/04/2019          |   |                    |
|  |                    |                 |  |                            | 26271       | 247137      | 4.000000              | 08/08/2019          |   |                    |
|  |                    |                 |  |                            | 26271       | 245760      | 7.000000              | 07/09/2019          |   |                    |
|  |                    |                 |  |                            | 26271       | 244321      | 8.000000              | 06/21/2019          |   |                    |
|  |                    |                 |  |                            | 26271       | 242861      | 7.000000              | 05/13/2019          |   |                    |
|  |                    |                 |  |                            | 26271       | 241315      | 1.000000              | 04/15/2019          |   |                    |
|  |                    |                 |  |                            | 26271       | 239456      | 9.000000              | 03/20/2019          |   |                    |
|  |                    |                 |  |                            | 26271       | 237615      | 0.000000              | 02/15/2019          |   |                    |
|  |                    |                 |  |                            | 26271       | 237614      | 0.000000              | 01/15/2019          |   |                    |
|  |                    |                 |  |                            | 26271       | 236124      | 3.000000              | 12/18/2018          |   |                    |
|  |                    |                 |  |                            | 26271       | 234686      | 2.000000              | 11/27/2018          |   |                    |
|  |                    |                 |  |                            | 26271       | 232890      | 1.000000              | 10/29/2018          |   |                    |
|  |                    |                 |  |                            | 26271       | 232889      | 3.000000              | 09/24/2018          |   |                    |

| 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? |
|  |  |                 |  |                            | 26271       | 226365           | 1.000000              | 08/15/2018            |   |                    |
|  |  |                 |  |                            | 26271       | 225709           | 3.000000              | 07/17/2018            |   |                    |
|  |  |                 |  |                            | 26271       | 224437           | 1.000000              | 06/22/2018            |   |                    |
|  |  |                 |  |                            | 26271       | 223213           | 1.000000              | 05/15/2018            |   |                    |
|  |  |                 |  |                            | 26271       | 221832           | 2.000000              | 04/24/2018            |   |                    |
|  |  |                 |  |                            | 26271       | 219753           | 2.000000              | 03/15/2018            |   |                    |
|  |  |                 |  |                            | 26271       | 217990           | 2.000000              | 02/23/2018            |   |                    |
|  |  |                 |  |                            | 26271       | 217142           | 2.000000              | 01/25/2018            |   |                    |
|  |  |                 |  |                            | 26271       | 217141           | 0.000000              | 12/25/2017            |   |                    |
|  |  |                 |  |                            | 26271       | 213563           | 2.000000              | 11/28/2017            |   |                    |
|  |  |                 |  |                            | 26271       | 213562           | 3.000000              | 10/25/2017            |   |                    |
|  |  |                 |  |                            | 26271       | 213561           | 1.000000              | 09/25/2017            |   |                    |
| 26270  | Notice of interruption to Public Access system availability within agreed upon timeframe | Percent         | 2 - Strategic and Business Results       |                            | 99.000000   |                  | Over target           | Annual                |   |                    |
|  |  |                 |  |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment   |                    |
|  |  |                 |  |                            | 26270       | 250917           | 100.000000            | 10/28/2019            |   |                    |

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? |
|-----------|---|-----------------|---|----------------------------|-------------|------------------|-----------------------|-----------------------|---|--------------------|
| 26269     | Maintenance Cost Variance from Planned Spend        | Percent         | 3 - Financial Performance                   |                            | 26270       | 232888           | 100.000000            | 10/18/2018            |   |                    |
|           |   |                 |   |                            | 26270       | 213560           | 100.000000            | 10/16/2017            |   |                    |
|           |   |                 |   |                            | 20.000000   | 20.000000        | Under target          | Semi-Annual           |   |                    |
|           |   |                 |   |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment   |                    |
|           |   |                 |   |                            | 26269       | 284237           | 5.360000              | 04/01/2021            |   |                    |
|           |   |                 |   |                            | 26269       | 273340           | 8.880000              | 10/01/2020            |   |                    |
|           |   |                 |   |                            | 26269       | 260444           | 2.750000              | 04/27/2020            |   |                    |
|           |   |                 |   |                            | 26269       | 250916           | 8.690000              | 09/30/2019            |   |                    |
|           |   |                 |   |                            | 26269       | 241314           | 8.740000              | 04/22/2019            |   |                    |
|           |   |                 |   |                            | 26269       | 232887           | 0.130000              | 10/29/2018            |   |                    |
| 26269     | 221831  | 10.650000       | 04/27/2018                                  |                            |             |                  |                       |                       |   |                    |
| 26269     | 213559  | 4.480000        | 10/31/2017                                  |                            |             |                  |                       |                       |   |                    |
| 26268     | % of tickets escalated to Tier III Customer Support | Percent         | 1 - Customer Satisfaction (Process Results) |                            | 22.000000   | 22.000000        | Under target          | Semi-Annual           |   |                    |
|           |   |                 |   |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment   |                    |
|           |   |                 |   |                            | 26268       | 284236           | 19.000000             | 04/16/2021            |   |                    |



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? |
|-----------|---|-----------------|--|----------------------------|-------------|-------------|-----------------------|---------------------|---|--------------------|
| 25927     | Percentage of proposals checked by Automated Proposal Compliance Validation | Percent         | 2 - Strategic and Business Results       |                            | 26268       | 273339      | 18.000000             | 10/16/2020          |   |                    |
|           |   |                 |  |                            | 26268       | 260443      | 18.000000             | 04/14/2020          |   |                    |
|           |   |                 |  |                            | 26268       | 250915      | 18.000000             | 10/28/2019          |   |                    |
|           |   |                 |  |                            | 26268       | 241313      | 15.000000             | 04/16/2019          |   |                    |
|           |   |                 |  |                            | 26268       | 232886      | 19.000000             | 10/16/2018          |   |                    |
|           |   |                 |  |                            | 26268       | 221830      | 9.000000              | 04/16/2018          |   |                    |
|           |   |                 |  |                            | 26268       | 213558      | 11.000000             | 10/04/2017          |   |                    |
|           |   |                 |  |                            | 95.000000   |             | Over target           | Quarterly           |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
|           |   |                 |  |                            |             |             |                       |                     |   |                    |
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| 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? |
|  |   |                 |  |                            | 25927       | 237616           | 92.390000             | 01/06/2019            |   |                    |
|  |   |                 |  |                            | 25927       | 232891           | 95.060000             | 10/29/2018            |   |                    |
|  |   |                 |  |                            | 25927       | 225710           | 95.570000             | 07/16/2018            |   |                    |
|  |   |                 |  |                            | 25927       | 221833           | 96.270000             | 04/16/2018            |   |                    |
|  |   |                 |  |                            | 25927       | 217143           | 74.900000             | 01/18/2018            |   |                    |
|  |   |                 |  |                            | 25927       | 213564           | 97.000000             | 10/17/2017            |   |                    |
|  |   |                 |  |                            | 25927       | 206076           | 0.000000              | 08/23/2017            |   |                    |
|  |   |                 |  |                            | 25927       | 206075           | 95.000000             | 07/19/2017            |   |                    |
|  |   |                 |  |                            | 25927       | 197625           | 0.000000              | 08/23/2017            |   |                    |
|  |   |                 |  |                            | 25927       | 197624           | 95.000000             | 07/19/2017            |   |                    |
| 23702  | Improve technology, tools, functionality, and/or business processes | Number          | 2 - Strategic and Business Results       |                            |             |                  | Over target           | Monthly               |   |                    |
|  |   |                 |  |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment   |                    |
|  |   |                 |  |                            | 23702       | 206074           | 0.000000              | 07/25/2017            |   |                    |
|  |   |                 |  |                            | 23702       | 206073           | 0.000000              | 06/23/2017            |   |                    |
|  |   |                 |  |                            | 23702       | 197623           | 0.000000              | 07/25/2017            |   |                    |

| 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? |
|  |                    |                 |  |                            | 23702       | 197622      | 0.000000              | 06/23/2017          |   |                    |
|  |                    |                 |  |                            | 23702       | 190619      | 2.000000              | 05/23/2017          |   |                    |
|  |                    |                 |  |                            | 23702       | 187204      | 0.000000              | 04/25/2017          |   |                    |
|  |                    |                 |  |                            | 23702       | 185666      | 1.000000              | 03/23/2017          |   |                    |
|  |                    |                 |  |                            | 23702       | 183841      | 1.000000              | 02/22/2017          |   |                    |
|  |                    |                 |  |                            | 23702       | 181863      | 0.000000              | 01/23/2017          |   |                    |
|  |                    |                 |  |                            | 23702       | 178671      | 1.000000              | 12/07/2016          |   |                    |
|  |                    |                 |  |                            | 23702       | 177201      | 1.000000              | 11/18/2016          |   |                    |
|  |                    |                 |  |                            | 23702       | 174049      | 1.000000              | 10/14/2016          |   |                    |
|  |                    |                 |  |                            | 23702       | 174048      | 0.000000              | 09/19/2016          |   |                    |
|  |                    |                 |  |                            | 23702       | 172425      | 1.000000              | 08/22/2016          |   |                    |
|  |                    |                 |  |                            | 23702       | 170092      | 0.000000              | 07/22/2016          |   |                    |
|  |                    |                 |  |                            | 23702       | 166604      | 1.000000              | 06/17/2016          |   |                    |
|  |                    |                 |  |                            | 23702       | 165749      | 1.000000              | 05/20/2016          |   |                    |
|  |                    |                 |  |                            | 23702       | 162986      | 1.000000              | 04/26/2016          |   |                    |
|  |                    |                 |  |                            | 23702       | 161514      | 1.000000              | 03/21/2016          |   |                    |
|  |                    |                 |  |                            | 23702       | 158979      | 1.000000              | 02/19/2016          |   |                    |

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? |
|-----------|--|-----------------|--|----------------------------|-------------|------------------|-----------------------|-----------------------|---|--------------------|
| 23701     | Notice of interruption to Public Access system availability within agreed upon timeframe | Percent         | 2 - Strategic and Business Results       |                            | 23702       | 156661           | 0.000000              | 01/25/2016            |   |                    |
|           |  |                 |  |                            | 23702       | 155501           | 1.000000              | 12/18/2015            |   |                    |
|           |  |                 |  |                            | 23702       | 153646           | 2.000000              | 11/18/2015            |   |                    |
|           |  |                 |  |                            |             |                  | Over target           | Annual                |   |                    |
|           |  |                 |  |                            |             |                  |                       |                       |   |                    |
|           |  |                 |  |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment   |                    |
|           |  |                 |  |                            | 23701       | 174047           | 100.000000            | 10/06/2016            |   |                    |
| 23700     | % of Proposal Data Archived  | Percent         | 2 - Strategic and Business Results       |                            |             |                  | Over target           | Annual                |   | Yes                |
|           |  |                 |  |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment   |                    |
|           |  |                 |  |                            | 23700       | 174046           | 0.000000              | 10/18/2016            |   |                    |
| 20081     | Maintenance Cost Variance from Planned Spend   | Percent         | 3 - Financial Performance                |                            |             |                  | Under target          | Semi-Annual           |   |                    |
|           |  |                 |  |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment   |                    |
|           |  |                 |  |                            | 20081       | 187203           | 9.650000              | 04/26/2017            |   |                    |
|           |  |                 |  |                            | 20081       | 174045           | 9.970000              | 10/18/2016            |   |                    |
|           |  |                 |  |                            | 20081       | 162985           | 1.090000              | 04/27/2016            |   |                    |

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? |
|-----------|---|-----------------|---|----------------------------|-------------|------------------|-----------------------|-----------------------|---|--------------------|
|           |   |                 |   |                            | 20081       | 151197           | 9.040000              | 10/19/2015            |   |                    |
|           |   |                 |   |                            | 20081       | 134117           | 13.460000             | 04/24/2015            |   |                    |
| 6213      | On-time delivery of software products               | Percent         | 1 - Customer Satisfaction (Process Results) |                            |             |                  | Over target           | Semi-Annual           |   | Yes                |
|           |   |                 |   |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment   |                    |
|           |   |                 |   |                            | 6213        | 89537            | 100.000000            | 04/28/2014            |   |                    |
|           |   |                 |   |                            | 6213        | 67151            | 100.000000            | 10/29/2013            |   |                    |
|           |   |                 |   |                            | 6213        | 53057            | 100.000000            | 04/22/2013            |   |                    |
| 6211      | % of tickets escalated to Tier III Customer Support | Percent         | 1 - Customer Satisfaction (Process Results) |                            |             |                  | Under target          | Semi-Annual           |   |                    |
|           |   |                 |   |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment   |                    |
|           |   |                 |   |                            | 6211        | 187202           | 9.430000              | 04/26/2017            |   |                    |
|           |   |                 |   |                            | 6211        | 174044           | 14.000000             | 10/14/2016            |   |                    |
|           |   |                 |   |                            | 6211        | 162984           | 12.000000             | 04/18/2016            |   |                    |
|           |   |                 |   |                            | 6211        | 151196           | 8.680000              | 10/15/2015            |   |                    |
|           |   |                 |   |                            | 6211        | 134115           | 5.690000              | 04/23/2015            |   |                    |
|           |   |                 |   |                            | 6211        | 110997           | 5.940000              | 10/23/2014            |   |                    |

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? |
|-----------|--|-----------------|---|----------------------------|-------------|------------------|-----------------------|-----------------------|---|--------------------|
|           |  |                 |   |                            | 6211        | 89535            | 39.310000             | 04/18/2014            |   |                    |
|           |  |                 |   |                            | 6211        | 67149            | -117.000000           | 10/25/2013            |   |                    |
|           |  |                 |   |                            | 6211        | 53055            | -3.910000             | 04/19/2013            |   |                    |
| 2720      | Maintain % of Electronic Funds Transfer Certifications           | Percent         | 1 - Customer Satisfaction (Process Results) |                            |             |                  | Over target           | Semi-Annual           |   | Yes                |
|           |  |                 |   |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment   |                    |
|           |  |                 |   |                            | 2720        | 134113           | 100.000000            | 04/24/2015            |   |                    |
|           |  |                 |   |                            | 2720        | 110995           | 100.000000            | 10/22/2014            |   |                    |
|           |  |                 |   |                            | 2720        | 89533            | 97.560000             | 04/03/2014            |   |                    |
|           |  |                 |   |                            | 2720        | 67147            | 98.830000             | 10/29/2013            |   |                    |
|           |  |                 |   |                            | 2720        | 53053            | 97.470000             | 04/25/2013            |   |                    |
|           |  |                 |   |                            | 2720        | 30041            | 100.000000            | 10/25/2012            |   |                    |
|           |  |                 |   |                            | 2720        | 11537            | 100.000000            |                       |   |                    |
| 2719      | Reduce number of days to process customer financial transactions | Days            | 1 - Customer Satisfaction (Process Results) |                            |             |                  | Over target           | Semi-Annual           |   | Yes                |
|           |  |                 |   |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment   |                    |
|           |  |                 |   |                            | 2719        | 89531            | 100.000000            | 04/03/2014            |   |                    |

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? |
|-----------|---|-----------------|---|----------------------------|-------------|------------------|-----------------------|-----------------------|---|--------------------|
| 2718      | % of electronic correspondence for Project Reports and Cost Share | Percent         | 1 - Customer Satisfaction (Process Results) |                            | 2719        | 67145            | 100.000000            | 10/25/2013            |   |                    |
|           |   |                 |   |                            | 2719        | 53051            | 100.000000            | 04/18/2013            |   |                    |
|           |   |                 |   |                            | 2719        | 30039            | 100.000000            | 10/25/2012            |   |                    |
|           |   |                 |   |                            | 2719        | 11535            | 100.000000            |                       |   |                    |
|           |   |                 |   |                            |             |                  | Over target           | Monthly               |   | Yes                |
|           |   |                 |   |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment   |                    |
|           |   |                 |   |                            | 2718        | 99541            | 100.000000            | 07/21/2014            |   |                    |
|           |   |                 |   |                            | 2718        | 96955            | 100.000000            | 06/25/2014            |   |                    |
| 2718      | % of electronic correspondence for Project Reports and Cost Share | Percent         | 1 - Customer Satisfaction (Process Results) |                            | 2718        | 92197            | 100.000000            | 05/23/2014            |   |                    |
|           |   |                 |   |                            | 2718        | 89529            | 100.000000            | 04/25/2014            |   |                    |
|           |   |                 |   |                            | 2718        | 85923            | 100.000000            | 03/25/2014            |   |                    |
|           |   |                 |   |                            | 2718        | 80743            | 100.000000            | 02/21/2014            |   |                    |
|           |   |                 |   |                            | 2718        | 77825            | 99.990000             | 01/24/2014            |   |                    |
|           |   |                 |   |                            | 2718        | 74913            | 100.000000            | 12/27/2013            |   |                    |
|           |   |                 |   |                            | 2718        | 70953            | 100.000000            | 11/22/2013            |   |                    |

| 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? |
|  |                    |                 |  |                            | 2718        | 67143       | 100.000000            | 10/22/2013          |   |                    |
|  |                    |                 |  |                            | 2718        | 65513       | 100.000000            | 09/24/2013          |   |                    |
|  |                    |                 |  |                            | 2718        | 63907       | 100.000000            | 08/25/2013          |   |                    |
|  |                    |                 |  |                            | 2718        | 61113       | 99.990000             | 07/24/2013          |   |                    |
|  |                    |                 |  |                            | 2718        | 58499       | 100.000000            | 06/20/2013          |   |                    |
|  |                    |                 |  |                            | 2718        | 57133       | 100.000000            | 05/20/2013          |   |                    |
|  |                    |                 |  |                            | 2718        | 53049       | 100.000000            | 04/23/2013          |   |                    |
|  |                    |                 |  |                            | 2718        | 48493       | 100.000000            | 03/22/2013          |   |                    |
|  |                    |                 |  |                            | 2718        | 44567       | 100.000000            | 02/25/2013          |   |                    |
|  |                    |                 |  |                            | 2718        | 41619       | 100.000000            | 01/29/2013          |   |                    |
|  |                    |                 |  |                            | 2718        | 37731       | 100.000000            | 12/21/2012          |   |                    |
|  |                    |                 |  |                            | 2718        | 34379       | 100.000000            | 11/23/2012          |   |                    |
|  |                    |                 |  |                            | 2718        | 30037       | 100.000000            | 10/25/2012          |   |                    |
|  |                    |                 |  |                            | 2718        | 28993       | 99.990000             | 09/27/2012          |   |                    |
|  |                    |                 |  |                            | 2718        | 24311       | 100.000000            |                     |   |                    |
|  |                    |                 |  |                            | 2718        | 21267       | 99.980000             |                     |   |                    |
|  |                    |                 |  |                            | 2718        | 18223       | 100.000000            |                     |   |                    |



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? |
|-----------|---|-----------------|---|----------------------------|-------------|------------------|-----------------------|-----------------------|---|--------------------|
| 2717      | % of Recommendation of Awards processed electronically in EJacket | Percent         | 1 - Customer Satisfaction (Process Results) |                            | 2718        | 14707            | 99.990000             |                       |   |                    |
|           |   |                 |   |                            | 2718        | 11533            | 99.970000             |                       |   |                    |
|           |   |                 |   |                            | 2718        | 3137             | 99.970000             |                       |   |                    |
|           |   |                 |   |                            |             |                  | Over target           | Monthly               |   | Yes                |
|           |   |                 |   |                            | Metric ID   | Actual Result ID | Actual Result         | Date of Actual Result | Comment   |                    |
|           |   |                 |   |                            | 2717        | 148363           | 100.000000            | 08/27/2015            |   |                    |
|           |   |                 |   |                            | 2717        | 145633           | 100.000000            | 07/24/2015            |   |                    |
|           |   |                 |   |                            | 2717        | 141463           | 100.000000            | 06/23/2015            |   |                    |
|           |   |                 |   |                            | 2717        | 137557           | 100.000000            | 05/20/2015            |   |                    |
|           |   |                 |   |                            | 2717        | 134111           | 100.000000            | 04/24/2015            |   |                    |
| 2717      | 130031  | 100.000000      | 03/20/2015                                  |                            |             |                  |                       |                       |   |                    |
| 2717      | 125941  | 100.000000      | 02/23/2015                                  |                            |             |                  |                       |                       |   |                    |
| 2717      | 120277  | 100.000000      | 01/21/2015                                  |                            |             |                  |                       |                       |   |                    |
| 2717      | 117575  | 100.000000      | 12/19/2014                                  |                            |             |                  |                       |                       |   |                    |
| 2717      | 113859  | 100.000000      | 11/24/2014                                  |                            |             |                  |                       |                       |   |                    |

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? |
|-----------|--------------------|-----------------|--|----------------------------|-------------|-------------|-----------------------|---------------------|---|--------------------|
|           |                    |                 |  |                            | 2717        | 110993      | 100.000000            | 10/22/2014          |   |                    |
|           |                    |                 |  |                            | 2717        | 110991      | 100.000000            | 09/20/2014          |   |                    |
|           |                    |                 |  |                            | 2717        | 102301      | 100.000000            | 08/25/2014          |   |                    |
|           |                    |                 |  |                            | 2717        | 99539       | 100.000000            | 07/21/2014          |   |                    |
|           |                    |                 |  |                            | 2717        | 96953       | 100.000000            | 06/25/2014          |   |                    |
|           |                    |                 |  |                            | 2717        | 92195       | 100.000000            | 05/23/2014          |   |                    |
|           |                    |                 |  |                            | 2717        | 89527       | 100.000000            | 04/25/2014          |   |                    |
|           |                    |                 |  |                            | 2717        | 85921       | 100.000000            | 03/25/2014          |   |                    |
|           |                    |                 |  |                            | 2717        | 80741       | 100.000000            | 02/21/2014          |   |                    |
|           |                    |                 |  |                            | 2717        | 77823       | 99.990000             | 01/24/2014          |   |                    |
|           |                    |                 |  |                            | 2717        | 74911       | 100.000000            | 12/27/2013          |   |                    |
|           |                    |                 |  |                            | 2717        | 70951       | 100.000000            | 11/22/2013          |   |                    |
|           |                    |                 |  |                            | 2717        | 67141       | 100.000000            | 10/22/2013          |   |                    |
|           |                    |                 |  |                            | 2717        | 65511       | 100.000000            | 09/24/2013          |   |                    |
|           |                    |                 |  |                            | 2717        | 63905       | 100.000000            | 08/25/2013          |   |                    |
|           |                    |                 |  |                            | 2717        | 61112       | 99.990000             | 07/24/2013          |   |                    |
|           |                    |                 |  |                            | 2717        | 58498       | 100.000000            | 06/20/2013          |   |                    |

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? |
|-----------|--|-----------------|--|----------------------------|-------------|-------------|-----------------------|---------------------|---|--------------------|
|           |  |                 |  |                            | 2717        | 57131       | 100.000000            | 05/20/2013          |   |                    |
|           |  |                 |  |                            | 2717        | 53047       | 100.000000            | 04/23/2013          |   |                    |
|           |  |                 |  |                            | 2717        | 48491       | 100.000000            | 03/22/2013          |   |                    |
|           |  |                 |  |                            | 2717        | 44565       | 100.000000            | 02/25/2013          |   |                    |
|           |  |                 |  |                            | 2717        | 41617       | 100.000000            | 01/29/2013          |   |                    |
|           |  |                 |  |                            | 2717        | 37729       | 100.000000            | 12/21/2012          |   |                    |
|           |  |                 |  |                            | 2717        | 34377       | 100.000000            | 11/23/2012          |   |                    |
|           |  |                 |  |                            | 2717        | 30035       | 100.000000            | 10/25/2012          |   |                    |
|           |  |                 |  |                            | 2717        | 28991       | 99.990000             | 09/27/2012          |   |                    |
|           |  |                 |  |                            | 2717        | 24309       | 100.000000            |                     |   |                    |
|           |  |                 |  |                            | 2717        | 21265       | 99.980000             |                     |   |                    |
|           |  |                 |  |                            | 2717        | 18221       | 100.000000            |                     |   |                    |
|           |  |                 |  |                            | 2717        | 14705       | 99.990000             |                     |   |                    |
|           |  |                 |  |                            | 2717        | 11531       | 99.970000             |                     |   |                    |
|           |  |                 |  |                            | 2717        | 3135        | 99.970000             |                     |   |                    |
| 2716      | Improve percentage of 6 month time-to-decision for | Months          | 2 - Strategic and Business Results       |                            |             |             | Over target           | Semi-Annual         |   | Yes                |

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? |
|-----------|--------------------|-----------------|--|----------------------------|-------------|-------------|-----------------------|---------------------|---|--------------------|
|           | proposals          |                 |  |                            |             |             |                       |                     |   |                    |
| Metric ID | Actual Result ID   | Actual Result   | Date of Actual Result                    | Comment                    |             |             |                       |                     |   |                    |
| 2716      | 134109             | 100.000000      | 04/17/2015                               |                            |             |             |                       |                     |   |                    |
| 2716      | 110989             | 100.000000      | 10/22/2014                               |                            |             |             |                       |                     |   |                    |
| 2716      | 89525              | 100.000000      | 04/03/2014                               |                            |             |             |                       |                     |   |                    |
| 2716      | 67139              | 100.000000      | 10/29/2013                               |                            |             |             |                       |                     |   |                    |
| 2716      | 53045              | 100.000000      | 04/18/2013                               |                            |             |             |                       |                     |   |                    |
| 2716      | 30033              | 100.000000      | 10/25/2012                               |                            |             |             |                       |                     |   |                    |
| 2716      | 11529              | 100.000000      |  |                            |             |             |                       |                     |   |                    |