

Corps of Engineers Financial Management System (CEFMS)

Budget year: FY2001 or earlier
Agency: 202

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Exhibit 300: Capital Asset Plan and Business Case Summary Part I: Summary Information And Justification

Section A: Overview

1. Date of submission: **Aug 26, 2008**
2. Agency: **202**
3. Bureau: **00**
4. Name of this Capital Asset: **Corps of Engineers Financial Management System (CEFMS)**
5. Unique Project (Investment) Identifier: **202-00-01-01-01-1010-00**
6. What kind of investment will this be in FY2010? **Operations and Maintenance**
7. What was the first budget year this investment was submitted to OMB? **FY2001 or earlier**
8. Provide a brief summary and justification for this investment, including a brief description of how this closes in part or in whole an identified agency performance gap: **CEFMS is a fully operational interactive financial management system that integrates Corps of Engineers business processes and supports the management of all types of work and funds. CEFMS provides full end-to-end electronic financial business process support to Military, Civil Works, Support for Others, and Environmental programs in an integrated electronic Government to Government (G2G) business environment for its 35,000 users. The major function of CEFMS is to provide a modern financial management system that takes advantage of advances such as the ORACLE-based relational data base management system, electronic signature, and end-user report writers, which have become essential in the processing of financial and accounting data. It provides flexible levels of funds control capability so that project and functional managers have responsibility and control over execution of funds and continual access to accurate financial data. CEFMS also supports the Corps of Engineers objective of 'Consistent, Efficient and Effective Business Processes' by providing financial information for Project Managers and interfacing with the Corps of Engineers automated Program and Project Management System, P2. Financial transactions are entered directly into CEFMS for all appropriation accounting, Administrative Control of Funds, Time & Attendance posting and Labor Distribution, Accounts Payable, Accounts Receivable, Disbursing/Collections, Debt Management, Travel Management, Acquisition, Asset Management, Inventory Control, Personnel/Manpower, Budget Formulation and Execution, and Financial Reporting. CEFMS includes electronic signature creation and verification to ensure data integrity and internal control for all**

transactions leading to the disbursement of funds. This field-level financial management tool integrates USACE work management functions with accounting requirements prescribed under U.S. Government Standard General Ledger (USSGL) policies. As a mature system, CEFMS is in the Operations and Maintenance (O&M) phase of its life cycle. In accordance with the October 12, 2001 DoD Moratorium on development or significant changes to financial systems, the current strategy is to maintain CEFMS as the USACE financial system and develop interfaces as necessary in support of Army and DoD financial improvement goals. These include conversion of USACE electronic signature to accommodate DoD PKI using CAC, and participation in the development of a new Army financial system.

9. Did the Agency's Executive/Investment Committee approve this request? **yes**
 - a. If "yes," what was the date of this approval? **Feb 22, 2008**
10. Did the Project Manager review this Exhibit? **yes**
11. Contact information of Program/Project Manager?
 - Name **[Redacted]**
 - Phone Number **[Redacted]**
 - E-mail **[Redacted]**
 - a. What is the current FAC-P/PM (for civilian agencies) or DAWIA (for defense agencies) certification level of the program/project manager? **Waiver Issued**
 - b. When was the Program/Project Manager Assigned? **Dec 1, 2002**
 - c. What date did the Program/Project Manager receive the FAC-P/PM certification? If the certification has not been issued, what is the anticipated date for certification? **Sep 30, 2010**
12. Has the agency developed and/or promoted cost effective, energy efficient and environmentally sustainable techniques or practices for this project. **yes**
 - a. Will this investment include electronic assets (including computers)? **yes**
 - b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only) **[Not answered]**
 1. If "yes," is an ESPC or UESC being used to help fund this investment? **[Not answered]**
 2. If "yes," will this investment meet sustainable design principles? **[Not answered]**
 3. If "yes," is it designed to be 30% more energy efficient than relevant code? **[Not answered]**
13. Does this investment directly support one of the PMA initiatives? **yes**

Expanded E-Government
Real Property Asset Management
Financial Performance

 - a. Briefly and specifically describe for each selected how this asset directly supports the identified initiative(s)? **RPMA Contains all real property financial records, integrates with property book, CFO compliant. E-Gov use CAC to validate user credentials (S), automated TOPS with treasury/IRS (S); complete electronic procedures for travel to include orders, vouchers, payments (B); online real-time access for all users (M). Fin Perf Complies with USSGL policies, CFO compliant, received qualified opinion, real time access, ability to meet standard and ad hoc reporting requirements**
14. Does this investment support a program assessed using the Program Assessment Rating Tool (PART)? (For more information about the PART, visit www.whitehouse.gov/omb/part.) **no**
 - a. If "yes," does this investment address a weakness found during a PART review? **[Not answered]**
 - b. If "yes," what is the name of the PARTed program? **[Not answered]**
 - c. If "yes," what rating did the PART receive? **[Not answered]**
15. Is this investment for information technology? **yes**

For information technology investments only:

16. What is the level of the IT Project? (per CIO Council PM Guidance) **Level 3**
17. In addition to the answer in 11(a), what project management qualifications does the Project Manager have? (per CIO Council PM Guidance) **(1) Project manager has been validated as qualified for this investment**
18. Is this investment or any project(s) within this investment identified as "high risk" on the Q4-FY 2008 agency high risk report (per OMB Memorandum M-05-23)? **yes**
19. Is this a financial management system? **yes**
 - a. If "yes," does this investment address a FFMIA compliance area? **yes**
 1. If "yes," which compliance area: **Financial System Requirements (including all sub-areas); Accounting Standards; US Standard General Ledger at transaction level**
 2. If "no," what does it address? **[Not answered]**
 - b. If "yes," please identify the system name(s) and system acronym(s) as reported in the most recent financial systems inventory update required by Circular A-11 section 52 **Corps of Engineers Financial Management System (CEFMS)**
20. What is the percentage breakout for the total FY2010 funding request for the following?
 - Hardware **2**
 - Software **1**
 - Services **97**
 - Other **[Not answered]**
21. If this project produces information dissemination products for the public, are these products published to the Internet in conformance with OMB Memorandum 05-04 and included in your agency inventory, schedules and priorities? **n/a**
22. Contact information of individual responsible for privacy related questions:
 - Name **[Redacted]**
 - Phone Number **[Redacted]**
 - Title **Privacy Act Officer**
 - E-mail **[Redacted]**
23. Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval? **no**
24. Does this investment directly support one of the GAO High Risk Areas? **no**

Section B: Summary of Spending

1.

Table 1: SUMMARY OF SPENDING FOR PROJECT PHASES (REPORTED IN MILLIONS)									
<small>(Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)</small>									
	PY-1 and earlier	PY 2008	CY 2009	BY 2010	BY+1 2011	BY+2 2012	BY+3 2013	BY+4 and beyond	Total
Planning:	11.971	0	0	0	[*]	[*]	[*]	[*]	[*]
Acquisition:	10.41	0	0	0	[*]	[*]	[*]	[*]	[*]
Subtotal Planning & Acquisition:	22.381	0	0	0	[*]	[*]	[*]	[*]	[*]
Operations &	103.817	11.865	7.965	8.2	[*]	[*]	[*]	[*]	[*]

Maintenance:									
TOTAL:	126.198	11.865	7.965	8.2	[*]	[*]	[*]	[*]	[*]
Government FTE Costs should not be included in the amounts provided above.									
Government FTE Costs	22.546	1.985	2.065	2.147	[*]	[*]	[*]	[*]	[*]
Number of FTE represented by Costs:	244	17	18	18	[*]	[*]	[*]	[*]	[*]

2. Will this project require the agency to hire additional FTE's? **no**
 - a. If "yes", How many and in what year? [Not answered]

3. If the summary of spending has changed from the FY2009 President's budget request, briefly explain those changes: **The FY09 300 Business Case includes total cost, funded by both Military and Civil Works appropriations for the Corps of Engineers Financial Management System (CEFMS). The FY2008 submission included approximately \$4 million PRIP payback where the original system cost was capitalized and financed by the USACE revolving fund. The repayment will be completed in FY08.**

Section C: Acquisition/Contract Strategy

1.

Contracts/Task Orders Table:	
Contract or Task Order Number	GS-35F-5391H
Type of Contract/Task Order (In accordance with FAR Part 16)	Firm Fixed Price
Has the contract been awarded	yes
If so what is the date of the award? If not, what is the planned award date?	Sep 28, 2004
Start date of Contract/Task Order	Oct 1, 2004
End date of Contract/Task Order	Sep 30, 2009
Total Value of Contract/ Task Order (\$M)	12.559
Is this an Interagency Acquisition?	no
Is it performance based?	yes
Competitively awarded?	yes
What, if any, alternative financing option is being used?	NA
Is EVM in the contract?	no
Does the contract include the required security & privacy clauses?	yes
Name of CO	[Redacted]
CO Contact information (phone/email)	[Redacted]
Contracting Officer FAC-C or DAWIA Certification Level	3
If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition?	[Not answered]
Contract or Task Order Number	GS-35F-0158P
Type of Contract/Task Order (In accordance with FAR Part 16)	Firm Fixed Price
Has the contract been awarded	yes
If so what is the date of the award? If not, what is the planned award date?	Sep 29, 2004
Start date of Contract/Task Order	Oct 1, 2004
End date of Contract/Task Order	Sep 30, 2009
Total Value of Contract/ Task Order (\$M)	8.265
Is this an Interagency Acquisition?	no
Is it performance based?	no
Competitively awarded?	

	yes
What, if any, alternative financing option is being used?	NA
Is EVM in the contract?	no
Does the contract include the required security & privacy clauses?	yes
Name of CO	[Redacted]
CO Contact information (phone/email)	[Redacted]
Contracting Officer FAC-C or DAWIA Certification Level	3
If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition?	[Not answered]
Contract or Task Order Number	GS-35F-0233N
Type of Contract/Task Order (In accordance with FAR Part 16)	Firm Fixed Price
Has the contract been awarded	yes
If so what is the date of the award? If not, what is the planned award date?	Dec 20, 2004
Start date of Contract/Task Order	Dec 20, 2004
End date of Contract/Task Order	Dec 19, 2009
Total Value of Contract/ Task Order (\$M)	4.562
Is this an Interagency Acquisition?	no
Is it performance based?	yes
Competitively awarded?	yes
What, if any, alternative financing option is being used?	NA
Is EVM in the contract?	no
Does the contract include the required security & privacy clauses?	yes
Name of CO	[Redacted]
CO Contact information (phone/email)	[Redacted]
Contracting Officer FAC-C or DAWIA Certification Level	3
If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition?	[Not answered]
Contract or Task Order Number	GS-35F-0377J
Type of Contract/Task Order (In accordance with FAR Part 16)	Firm Fixed Price
Has the contract been awarded	yes
If so what is the date of the award? If not, what is the planned award date?	Jan 27, 2005
Start date of Contract/Task Order	Jan 27, 2005
End date of Contract/Task Order	Jan 26, 2010
Total Value of Contract/ Task Order (\$M)	5.175
Is this an Interagency Acquisition?	no
Is it performance based?	yes
Competitively awarded?	yes
What, if any, alternative financing option is being used?	NA
Is EVM in the contract?	no
Does the contract include the required security & privacy clauses?	yes
Name of CO	[Redacted]
CO Contact information (phone/email)	[Redacted]
Contracting Officer FAC-C or DAWIA Certification Level	3
If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition?	[Not answered]

Contract or Task Order Number	GS-35F-4704G
Type of Contract/Task Order (In accordance with FAR Part 16)	Firm Fixed Price
Has the contract been awarded	yes
If so what is the date of the award? If not, what is the planned award date?	Feb 2, 2005
Start date of Contract/Task Order	Feb 2, 2005
End date of Contract/Task Order	Feb 1, 2010
Total Value of Contract/ Task Order (\$M)	7.15
Is this an Interagency Acquisition?	no
Is it performance based?	yes
Competitively awarded?	no
What, if any, alternative financing option is being used?	NA
Is EVM in the contract?	no
Does the contract include the required security & privacy clauses?	yes
Name of CO	[Redacted]
CO Contact information (phone/email)	[Redacted]
Contracting Officer FAC-C or DAWIA Certification Level	3
If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition?	[Not answered]

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why: **The current contracts, each of which was awarded for a base year with four one-year options, are for programming support of a Steady State system. Earned Value Management was not included in the terms of the contracts, but will be included for the next solicitation/awards (September 2009-February 2010). In the interim, we will manage to EV by determining cost/schedule performance indices and variances.**
3. Do the contracts ensure Section 508 compliance? **yes**
 - a. Explain why not or how this is being done? **Section 508 language is included in contracts and checked as part of acceptance of contract deliverables.**
4. Is there an acquisition plan which reflects the requirements of FAR Subpart 7.1 and has been approved in accordance with agency requirements? **yes**
 - a. If "yes," what is the date? **Jul 13, 2006**
 1. Is it Current? **yes**
 - b. If "no," will an acquisition plan be developed? [Not answered]
 1. If "no," briefly explain why: [Not answered]

Section D: Performance Information

Performance Information Table							
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2008	Reliable & Accurate Financial Data	Mission and Business Results	Payments	Accurate & Timely Pmts To customers	DFAS sets Goals for Payment accuracy	Exceed DFAS Goals	Exceeded DFAS goals for improper payments and civil interest payments for FY2008

2008	Support Project Management	Customer Results	Customer Satisfaction	Customer Survey	Current avg score 3.57 (out of 4)	Improve satisfaction to avg 3.7 (out of 4)	Average score of 3.34 for FY2008
2008	Reliable and Accurate Financial Data	Processes and Activities	Financial Management	Implementation of Improvements and Best Business Practices	47% of improvements approved by the Corporate Configuration Control Board have been complete	Increase % of completion of CCB approved improvements to 55%	70% of board approved improvements were completed
2008	Reliable and Accurate Financial Data	Technology	Data Reliability and Quality	System Standardization and Reliability	Current COBOL compiler outdated	Update COBOL programs to supported technology	Conversion from COBOL is 90% complete. Will be completed this CY.
2009	Reliable and Accurate Financial Data	Mission and Business Results	Payments	Accurate & Timely Payments to Customers	DFAS goals for payment accuracy	Exceed DFAS payment goals	Will be determined at the conclusion of FY2009
2009	Support Project Management	Customer Results	Customer Satisfaction	Customer Survey	Current avg score 3.34 (out of 4)	Improve scores on customer survey to 3.5	Will be determined at the conclusion of FY2009
2009	Reliable and Accurate Financial Data	Processes and Activities	Financial Management	Implementation of Improvements and Best Business Practices	70% of improvements approved by the Corporate Configuration Control Board have been completed	Increase % of completion of CCB approved improvements to 75%	Will be determined at the conclusion of FY2009
2009	Support Project Management	Mission and Business Results	Enterprise Architecture	Implement Enterprise Data Warehouse	Implement an enterprise solution to consolidate data from the districts and produce standardized financial data from CEFMS available for use by regions	Proof of concept of Enterprise Data Warehouse by implementing change capture mechanism and providing reports chosen by RBC	Will be determined at the conclusion of FY2009
2009	Reliable and Accurate Financial Data	Technology	Data Reliability and Quality	System Standardization and Reliability	No standardization in DBA actions throughout the Corps	Assumption of DBA roles from the individual sites for security and standardization concerns	Will be determined at the conclusion of FY2009
2008	Reliable and Accurate Financial Data	Technology	Data Reliability and Quality	System Standardization	Transition to New Methodology for electronic Signature	Implement CAC/PKI Methodology for electronic signature	methodology implemented at 26 of 59 Corps sites
2010	Support Project Management	Mission and Business Results	Enterprise Architecture	Expand Enterprise Data Warehouse	Implement an enterprise solution to consolidate inputs from the districts and make standardized financial data from CEFMS	Broaden EDW beyond the RBC regional initiative and broaden intended audience to include most all users of corporate data	Will be determined at the conclusion of FY2010

					available for use by regions		
2010	Reliable and Accurate Financial Data	Processes and Activities	Budget and Performance Integration	Implementation of Improvements and Best Business Practices	Implement improvements approved by the Corporate Configuration Control Board	Complete 75% of of CCB approved improvements	Will be determined at the conclusion of FY2010
2010	Reliable and Accurate Financial Data	Mission and Business Results	Payments	Accurate & Timely Payments to Customers	DFAS goals for payment accuracy	Exceed DFAS goals for payment accuracy	Will be determined at the conclusion of FY2010
2010	Support Project Management	Mission and Business Results	Customer Satisfaction	Customer Survey	Customer Survey scores	Increase scores on customer satisfaction survey to 3.5 out of 4.0	Will be determined at the conclusion of FY2010
2010	Reliable and Accurate Financial Data	Technology	Data Reliability and Quality	System Standardization and Reliability	Application server and Oracle forms software are unsupported	Upgrade to current/supported software - 10G AS and 10G forms	Will be determined at the conclusion of FY2010
2009	Reliable and Accurate Financial Data	Technology	Data Reliability and Quality	System Standardization	Transition to New Methodology for electronic signature	Deployment of CAC/PKI Methodology for electronic signature to all Corps sites	Will be determined at the conclusion of FY2009

Section E: Security and Privacy

1. Have the IT security costs for the system(s) been identified and integrated into the overall costs of the investment?: **yes**
 - a. If "yes," provide the "Percentage IT Security" for the budget year: **5.39**
2. Is identifying and assessing security and privacy risks a part of the overall risk management effort for each system supporting or part of this investment?. **yes**

3. Systems in Planning and Undergoing Enhancement(s), Development, and/or Modernization - Security Table(s):

Name of System	Agency/ or Contractor Operated System?	Planned Operational Date	Date of Planned certification and accreditation (C&A) update (for existing mixed life cycle systems) or Planned Completion Date (for new systems)
<i>There are no Systems in Planning.</i>			

4. Operational Systems - Security Table:

Name of System	Agency/ or Contractor Operated System?	NIST FIPS 199 Risk Impact level	Has C&A been Completed, using NIST 800-37?	Date Completed: C&A	What standards were used for the Security Controls tests?	Date Completed: Security Control Testing	Date the contingency plan tested
CEFMS	Government Only	Moderate	yes	Feb 20, 2008	Other	Jan 31, 2008	May 7, 2008

5. Have any weaknesses, not yet remediated, related to any of the systems part of or supporting this investment been identified by the agency or IG? **no**
 - a. If "yes," have those weaknesses been incorporated into the agency's plan of action and milestone process? **[Not answered]**

6. Indicate whether an increase in IT security funding is requested to remediate IT security weaknesses?
no
- a. If "yes," specify the amount, provide a general description of the weakness, and explain how the funding request will remediate the weakness. [Not answered]
7. How are contractor security procedures monitored, verified, and validated by the agency for the contractor systems above? **All contractor personnel (developers) who need access to source code, data, etc must submit a request for an access account (user-id, Oracle password, UNIX password) to the local access account administrator at the CEFMS Program Office. After approval and issuance of the user-id and passwords, the information is forwarded to the Information Assurance Security Officer in the CEFMS Program Office for development access approval. All personnel requesting developmental access must have passed or exceeded the background investigation required for their position (IT I or IT II) before being granted development access approval.**

8. Planning & Operational Systems - Privacy Table:

Name of System	Is this a new system?	Is there a Privacy Impact Assessment (PIA) that covers this system?	Internet Link or Explanation	Is a System of Records Notice (SORN) required for this system?	Internet Link or Explanation
CEFMS	no	yes	http://www.army.mil/CIOG6/links/privacyimpact.html	yes	CEFMS includes personal information on USACE civilian personnel and contractors. Army policy direct the Corps to submit SORN to the Army for posting to the DOD SORN website. They are not to be posted for public review due to the fact that they contain FOUO information

Section F: Enterprise Architecture (EA)

1. Is this investment included in your agency's target enterprise architecture? **yes**
- a. If "no," please explain why? [Not answered]
2. Is this investment included in the agency's EA Transition Strategy? **yes**
- a. If "yes," provide the investment name as identified in the Transition Strategy provided in the agency's most recent annual EA Assessment. **Corps of Engineers Financial Management System (CEFMS)**
- b. If "no," please explain why? [Not answered]
3. Is this investment identified in a completed and approved segment architecture? **yes**
- a. If "yes," provide the six digit code corresponding to the agency segment architecture. The segment architecture codes are maintained by the agency Chief Architect. For detailed guidance regarding segment architecture codes, please refer to <http://www.egov.gov>. **102-000**

4. Service Component Reference Model (SRM) Table :

Agency Component Name	Agency Component Description	FEA SRM Service Type	FEA SRM Component	Service Component Reused		Internal or External Reuse?	BY Funding Percentage
				Component Name	UPI		
Billing and Accounting	Financial entry, recording & reporting	Financial Management	Billing and Accounting	[Not answered]	[Not answered]	No Reuse	20
Credit / Charge	Financial entry, recording & reporting	Financial Management	Credit / Charge	[Not answered]	[Not answered]	No Reuse	10
Currency Translation	Financial entry, recording & reporting	Financial Management	Currency Translation	[Not answered]	[Not answered]	No Reuse	5
Debt Collection	Financial entry, recording & reporting	Financial Management	Debt Collection	[Not answered]	[Not answered]	No Reuse	15
Expense Management	Financial entry, recording & reporting	Financial Management	Expense Management	[Not answered]	[Not answered]	No Reuse	20
Internal Controls	Financial entry, recording & reporting	Financial Management	Internal Controls	[Not answered]	[Not answered]	No Reuse	10
Payment / Settlement	Financial entry, recording & reporting	Financial Management	Payment / Settlement	[Not answered]	[Not answered]	No Reuse	20

5. Technical Reference Model (TRM) Table:

FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification
Billing and Accounting	Service Access and Delivery	Access Channels	Web Browser	Microsoft IE 6.0
Credit / Charge	Service Access and Delivery	Access Channels	Web Browser	Microsoft IE 6.0
Currency Translation	Service Access and Delivery	Access Channels	Web Browser	Microsoft IE 6.0
Debt Collection	Service Access and Delivery	Access Channels	Web Browser	Microsoft IE 6.0
Expense Management	Service Access and Delivery	Access Channels	Web Browser	Microsoft IE 6.0
Internal Controls	Service Access and Delivery	Access Channels	Web Browser	Microsoft IE 6.0
Payment / Settlement	Service Access and Delivery	Access Channels	Web Browser	Microsoft IE 6.0
Billing and Accounting	Service Access and Delivery	Access Channels	Other Electronic Channels	Intranet, HTTPS, and Corps URL
Credit / Charge	Service Access and Delivery	Access Channels	Other Electronic Channels	Intranet, HTTPS, and Corps URL
Currency Translation	Service Access and Delivery	Access Channels	Other Electronic Channels	Intranet, HTTPS, and Corps URL
Debt Collection	Service Access and Delivery	Access Channels	Other Electronic Channels	Intranet, HTTPS, and Corps URL
Expense Management	Service Access and Delivery	Access Channels	Other Electronic Channels	Intranet, HTTPS, and Corps URL
Internal Controls	Service Access and Delivery	Access Channels	Other Electronic Channels	Intranet, HTTPS, and Corps URL
Payment / Settlement	Service Access and Delivery	Access Channels	Other Electronic Channels	Intranet, HTTPS, and Corps URL
Billing and Accounting	Service Access and Delivery	Delivery Channels	Intranet	Corps of Engineers Intranet Architecture

Credit / Charge	Service Access and Delivery	Delivery Channels	Intranet	Corps of Engineers Intranet Architecture
Currency Translation	Service Access and Delivery	Delivery Channels	Intranet	Corps of Engineers Intranet Architecture
Debt Collection	Service Access and Delivery	Delivery Channels	Intranet	Corps of Engineers Intranet Architecture
Expense Management	Service Access and Delivery	Delivery Channels	Intranet	Corps of Engineers Intranet Architecture
Internal Controls	Service Access and Delivery	Delivery Channels	Intranet	Corps of Engineers Intranet Architecture
Payment / Settlement	Service Access and Delivery	Delivery Channels	Intranet	Corps of Engineers Intranet Architecture
Billing and Accounting	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	Authenticated Access at UNIX level and data base level
Credit / Charge	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	Authenticated Access at UNIX level and data base level
Currency Translation	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	Authenticated Access at UNIX level and data base level
Debt Collection	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	Authenticated Access at UNIX level and data base level
Expense Management	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	Authenticated Access at UNIX level and data base level
Internal Controls	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	Authenticated Access at UNIX level and data base level
Payment / Settlement	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	Authenticated Access at UNIX level and data base level
Billing and Accounting	Service Access and Delivery	Service Requirements	Legislative / Compliance	NIST FIPS guidelines, Privacy Act guidelines
Credit / Charge	Service Access and Delivery	Service Requirements	Legislative / Compliance	NIST FIPS guidelines, Privacy Act guidelines
Currency Translation	Service Access and Delivery	Service Requirements	Legislative / Compliance	NIST FIPS guidelines, Privacy Act guidelines
Debt Collection	Service Access and Delivery	Service Requirements	Legislative / Compliance	NIST FIPS guidelines, Privacy Act guidelines
Expense Management	Service Access and Delivery	Service Requirements	Legislative / Compliance	NIST FIPS guidelines, Privacy Act guidelines
Internal Controls	Service Access and Delivery	Service Requirements	Legislative / Compliance	NIST FIPS guidelines, Privacy Act guidelines
Payment / Settlement	Service Access and Delivery	Service Requirements	Legislative / Compliance	NIST FIPS guidelines, Privacy Act guidelines
Billing and Accounting	Service Access and Delivery	Service Transport	Supporting Network Services	SMTP, DHCP, DNS, X.400
Credit / Charge	Service Access and Delivery	Service Transport	Supporting Network Services	SMTP, DHCP, DNS, X.400
Currency Translation	Service Access and Delivery	Service Transport	Supporting Network Services	SMTP, DHCP, DNS, X.400
Debt Collection	Service Access and Delivery	Service Transport	Supporting Network Services	SMTP, DHCP, DNS, X.400
Expense Management	Service Access and Delivery	Service Transport	Supporting Network Services	SMTP, DHCP, DNS, X.400
Internal Controls	Service Access and Delivery	Service Transport	Supporting Network Services	SMTP, DHCP, DNS, X.400
Payment / Settlement	Service Access and Delivery	Service Transport	Supporting Network Services	SMTP, DHCP, DNS, X.400
Billing and Accounting	Service Access and Delivery	Service Transport	Service Transport	TCP, IP, HTTPS, SFTP
Credit / Charge	Service Access and Delivery	Service Transport	Service Transport	TCP, IP, HTTPS, SFTP
Currency Translation	Service Access and Delivery	Service Transport	Service Transport	TCP, IP, HTTPS, SFTP

Debt Collection	Service Access and Delivery	Service Transport	Service Transport	TCP, IP, HTTPS, SFTP
Expense Management	Service Access and Delivery	Service Transport	Service Transport	TCP, IP, HTTPS, SFTP
Internal Controls	Service Access and Delivery	Service Transport	Service Transport	TCP, IP, HTTPS, SFTP
Payment / Settlement	Service Access and Delivery	Service Transport	Service Transport	TCP, IP, HTTPS, SFTP
Billing and Accounting	Service Platform and Infrastructure	Support Platforms	Independent Platform	Oracle, Java2 Runtime, SQR, Cobol, C, SQLPLUS, Linux
Credit / Charge	Service Platform and Infrastructure	Support Platforms	Independent Platform	Oracle, Java2 Runtime, SQR, Cobol, C, SQLPLUS, Linux
Currency Translation	Service Platform and Infrastructure	Support Platforms	Independent Platform	Oracle, Java2 Runtime, SQR, Cobol, C, SQLPLUS, Linux
Debt Collection	Service Platform and Infrastructure	Support Platforms	Independent Platform	Oracle, Java2 Runtime, SQR, Cobol, C, SQLPLUS, Linux
Expense Management	Service Platform and Infrastructure	Support Platforms	Independent Platform	Oracle, Java2 Runtime, SQR, Cobol, C, SQLPLUS, Linux
Internal Controls	Service Platform and Infrastructure	Support Platforms	Independent Platform	Oracle, Java2 Runtime, SQR, Cobol, C, SQLPLUS, Linux
Payment / Settlement	Service Platform and Infrastructure	Support Platforms	Independent Platform	Oracle, Java2 Runtime, SQR, Cobol, C, SQLPLUS, Linux
Billing and Accounting	Service Platform and Infrastructure	Support Platforms	Dependent Platform	SUN, Solaris, Windows (2000, XP, NT)
Credit / Charge	Service Platform and Infrastructure	Support Platforms	Dependent Platform	SUN, Solaris, Windows (2000, XP, NT)
Currency Translation	Service Platform and Infrastructure	Support Platforms	Dependent Platform	[Not answered]
Debt Collection	Service Platform and Infrastructure	Support Platforms	Dependent Platform	SUN, Solaris, Windows (2000, XP, NT)
Expense Management	Service Platform and Infrastructure	Support Platforms	Dependent Platform	SUN, Solaris, Windows (2000, XP, NT)
Internal Controls	Service Platform and Infrastructure	Support Platforms	Dependent Platform	SUN, Solaris, Windows (2000, XP, NT)
Payment / Settlement	Service Platform and Infrastructure	Support Platforms	Dependent Platform	SUN, Solaris, Windows (2000, XP, NT)
Billing and Accounting	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache, Oracle
Credit / Charge	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache, Oracle
Currency Translation	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache, Oracle
Debt Collection	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache, Oracle
Expense Management	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache, Oracle
Internal Controls	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache, Oracle
Payment / Settlement	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache, Oracle
Billing and Accounting	Service Platform and Infrastructure	Delivery Servers	Application Servers	Oracle Applications, Oracle Reports
Credit / Charge	Service Platform and Infrastructure	Delivery Servers	Application Servers	Oracle Applications, Oracle Reports
Currency Translation	Service Platform and Infrastructure	Delivery Servers	Application Servers	Oracle Applications, Oracle Reports
Debt Collection	Service Platform and Infrastructure	Delivery Servers	Application Servers	Oracle Applications, Oracle Reports
Expense Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Oracle Applications, Oracle Reports

Internal Controls	Service Platform and Infrastructure	Delivery Servers	Application Servers	Oracle Applications, Oracle Reports
Payment / Settlement	Service Platform and Infrastructure	Delivery Servers	Application Servers	Oracle Applications, Oracle Reports
Billing and Accounting	Service Platform and Infrastructure	Delivery Servers	Portal Servers	Apache
Credit / Charge	Service Platform and Infrastructure	Delivery Servers	Portal Servers	Apache
Currency Translation	Service Platform and Infrastructure	Delivery Servers	Portal Servers	Apache
Debt Collection	Service Platform and Infrastructure	Delivery Servers	Portal Servers	Apache
Expense Management	Service Platform and Infrastructure	Delivery Servers	Portal Servers	Apache
Internal Controls	Service Platform and Infrastructure	Delivery Servers	Portal Servers	Apache
Payment / Settlement	Service Platform and Infrastructure	Delivery Servers	Portal Servers	Apache
Billing and Accounting	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	PVCS, Test Management
Credit / Charge	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	PVCS, Test Management
Currency Translation	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	PVCS, Test Management
Debt Collection	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	PVCS, Test Management
Expense Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	PVCS, Test Management
Internal Controls	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	PVCS, Test Management
Payment / Settlement	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	PVCS, Test Management
Billing and Accounting	Service Platform and Infrastructure	Database / Storage	Database	Oracle 10g
Credit / Charge	Service Platform and Infrastructure	Database / Storage	Database	Oracle 10g
Currency Translation	Service Platform and Infrastructure	Database / Storage	Database	Oracle 10g
Debt Collection	Service Platform and Infrastructure	Database / Storage	Database	Oracle 10g
Expense Management	Service Platform and Infrastructure	Database / Storage	Database	Oracle 10g
Internal Controls	Service Platform and Infrastructure	Database / Storage	Database	Oracle 10g
Payment / Settlement	Service Platform and Infrastructure	Database / Storage	Database	Oracle 10g
Billing and Accounting	Service Platform and Infrastructure	Database / Storage	Storage	Networked attached storage, Storage Area Network
Credit / Charge	Service Platform and Infrastructure	Database / Storage	Storage	Networked attached storage, Storage Area Network
Currency Translation	Service Platform and Infrastructure	Database / Storage	Storage	Networked attached storage, Storage Area Network
Debt Collection	Service Platform and Infrastructure	Database / Storage	Storage	Networked attached storage, Storage Area Network
Expense Management	Service Platform and Infrastructure	Database / Storage	Storage	Networked attached storage, Storage Area Network
Internal Controls	Service Platform and Infrastructure	Database / Storage	Storage	Networked attached storage, Storage Area Network
Payment / Settlement	Service Platform and Infrastructure	Database / Storage	Storage	Networked attached storage, Storage Area Network

Billing and Accounting	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Enterprise Server - SUN
Credit / Charge	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Enterprise Server - SUN
Currency Translation	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Enterprise Server - SUN
Debt Collection	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Enterprise Server - SUN
Expense Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Enterprise Server - SUN
Internal Controls	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Enterprise Server - SUN
Payment / Settlement	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Enterprise Server - SUN
Billing and Accounting	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	RAM, Hard Disk, Microprocessors, RAID
Credit / Charge	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	RAM, Hard Disk, Microprocessors, RAID
Currency Translation	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	RAM, Hard Disk, Microprocessors, RAID
Debt Collection	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	RAM, Hard Disk, Microprocessors, RAID
Expense Management	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	RAM, Hard Disk, Microprocessors, RAID
Internal Controls	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	RAM, Hard Disk, Microprocessors, RAID
Payment / Settlement	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	RAM, Hard Disk, Microprocessors, RAID
Billing and Accounting	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals	Printer, Electronic Signature Card, Readers/Boards
Credit / Charge	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals	Printer, Electronic Signature Card, Readers/Boards
Currency Translation	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals	Printer, Electronic Signature Card, Readers/Boards
Debt Collection	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals	Printer, Electronic Signature Card, Readers/Boards
Expense Management	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals	Printer, Electronic Signature Card, Readers/Boards
Internal Controls	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals	Printer, Electronic Signature Card, Readers/Boards
Payment / Settlement	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals	Printer, Electronic Signature Card, Readers/Boards
Billing and Accounting	Service Platform and Infrastructure	Hardware / Infrastructure	Wide Area Network (WAN)	T1 - Corps of Engineers Intranet (CEEIS)
Credit / Charge	Service Platform and Infrastructure	Hardware / Infrastructure	Wide Area Network (WAN)	T1 - Corps of Engineers Intranet (CEEIS)
Currency Translation	Service Platform and Infrastructure	Hardware / Infrastructure	Wide Area Network (WAN)	T1 - Corps of Engineers Intranet (CEEIS)
Debt Collection	Service Platform and Infrastructure	Hardware / Infrastructure	Wide Area Network (WAN)	T1 - Corps of Engineers Intranet (CEEIS)
Expense Management	Service Platform and Infrastructure	Hardware / Infrastructure	Wide Area Network (WAN)	T1 - Corps of Engineers Intranet (CEEIS)
Internal Controls	Service Platform and Infrastructure	Hardware / Infrastructure	Wide Area Network (WAN)	T1 - Corps of Engineers Intranet (CEEIS)
Payment / Settlement	Service Platform and Infrastructure	Hardware / Infrastructure	Wide Area Network (WAN)	T1 - Corps of Engineers Intranet (CEEIS)
Billing and Accounting	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Credit / Charge	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet

Currency Translation	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Debt Collection	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Expense Management	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Internal Controls	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Payment / Settlement	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
Billing and Accounting	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Hub, Switch, Router, Network Interface Card, Gateway, TI, Firewall
Credit / Charge	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Hub, Switch, Router, Network Interface Card, Gateway, TI, Firewall
Currency Translation	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Hub, Switch, Router, Network Interface Card, Gateway, TI, Firewall
Debt Collection	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Hub, Switch, Router, Network Interface Card, Gateway, TI, Firewall
Expense Management	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Hub, Switch, Router, Network Interface Card, Gateway, TI, Firewall
Internal Controls	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Hub, Switch, Router, Network Interface Card, Gateway, TI, Firewall
Payment / Settlement	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Hub, Switch, Router, Network Interface Card, Gateway, TI, Firewall
Billing and Accounting	Component Framework	Security	Certificates / Digital Signatures	Digital Certificate Authentication, SSL
Credit / Charge	Component Framework	Security	Certificates / Digital Signatures	Digital Certificate Authentication, SSL
Currency Translation	Component Framework	Security	Certificates / Digital Signatures	Digital Certificate Authentication, SSL
Debt Collection	Component Framework	Security	Certificates / Digital Signatures	Digital Certificate Authentication, SSL
Expense Management	Component Framework	Security	Certificates / Digital Signatures	Digital Certificate Authentication, SSL
Internal Controls	Component Framework	Security	Certificates / Digital Signatures	Digital Certificate Authentication, SSL
Payment / Settlement	Component Framework	Security	Certificates / Digital Signatures	Digital Certificate Authentication, SSL
Billing and Accounting	Component Framework	User Presentation / Interface	Static Display	HTML
Credit / Charge	Component Framework	User Presentation / Interface	Static Display	HTML
Currency Translation	Component Framework	User Presentation / Interface	Static Display	HTML
Debt Collection	Component Framework	User Presentation / Interface	Static Display	HTML
Expense Management	Component Framework	User Presentation / Interface	Static Display	HTML
Internal Controls	Component Framework	User Presentation / Interface	Static Display	HTML
Payment / Settlement	Component Framework	User Presentation / Interface	Static Display	HTML
Billing and Accounting	Component Framework	User Presentation / Interface	Dynamic Server-Side Display	Java 2

Credit / Charge	Component Framework	User Presentation / Interface	Dynamic Server-Side Display	Java 2
Currency Translation	Component Framework	User Presentation / Interface	Dynamic Server-Side Display	Java 2
Debt Collection	Component Framework	User Presentation / Interface	Dynamic Server-Side Display	Java 2
Expense Management	Component Framework	User Presentation / Interface	Dynamic Server-Side Display	Java 2
Internal Controls	Component Framework	User Presentation / Interface	Dynamic Server-Side Display	Java 2
Payment / Settlement	Component Framework	User Presentation / Interface	Dynamic Server-Side Display	Java 2
Billing and Accounting	Component Framework	Business Logic	Platform Independent Technologies	Java, C, C++, Java Script, Oracle Forms
Credit / Charge	Component Framework	Business Logic	Platform Independent Technologies	Java, C, C++, Java Script, Oracle Forms
Currency Translation	Component Framework	Business Logic	Platform Independent Technologies	Java, C, C++, Java Script, Oracle Forms
Debt Collection	Component Framework	Business Logic	Platform Independent Technologies	Java, C, C++, Java Script, Oracle Forms
Expense Management	Component Framework	Business Logic	Platform Independent Technologies	Java, C, C++, Java Script, Oracle Forms
Internal Controls	Component Framework	Business Logic	Platform Independent Technologies	Java, C, C++, Java Script, Oracle Forms
Payment / Settlement	Component Framework	Business Logic	Platform Independent Technologies	Java, C, C++, Java Script, Oracle Forms
Billing and Accounting	Component Framework	Data Interchange	Data Exchange	SQLNET
Credit / Charge	Component Framework	Data Interchange	Data Exchange	SQLNET
Currency Translation	Component Framework	Data Interchange	Data Exchange	SQLNET
Debt Collection	Component Framework	Data Interchange	Data Exchange	SQLNET
Expense Management	Component Framework	Data Interchange	Data Exchange	SQLNET
Internal Controls	Component Framework	Data Interchange	Data Exchange	SQLNET
Payment / Settlement	Component Framework	Data Interchange	Data Exchange	SQLNET
Billing and Accounting	Component Framework	Data Management	Database Connectivity	Oracle Proprietary
Credit / Charge	Component Framework	Data Management	Database Connectivity	Oracle Proprietary
Currency Translation	Component Framework	Data Management	Database Connectivity	Oracle Proprietary
Debt Collection	Component Framework	Data Management	Database Connectivity	Oracle Proprietary
Expense Management	Component Framework	Data Management	Database Connectivity	Oracle Proprietary
Internal Controls	Component Framework	Data Management	Database Connectivity	Oracle Proprietary
Payment / Settlement	Component Framework	Data Management	Database Connectivity	Oracle Proprietary
Billing and Accounting	Component Framework	Data Management	Reporting and Analysis	Cobol, SQR, SQL
Credit / Charge	Component Framework	Data Management	Reporting and Analysis	Cobol, SQR, SQL
Currency Translation	Component Framework	Data Management	Reporting and Analysis	Cobol, SQR, SQL

Debt Collection	Component Framework	Data Management	Reporting and Analysis	Cobol, SQR, SQL
Expense Management	Component Framework	Data Management	Reporting and Analysis	Cobol, SQR, SQL
Internal Controls	Component Framework	Data Management	Reporting and Analysis	Cobol, SQR, SQL
Payment / Settlement	Component Framework	Data Management	Reporting and Analysis	Cobol, SQR, SQL
Billing and Accounting	Service Interface and Integration	Integration	Middleware	Sqlplus, Sqlnet
Credit / Charge	Service Interface and Integration	Integration	Middleware	Sqlplus, Sqlnet
Currency Translation	Service Interface and Integration	Integration	Middleware	Sqlplus, Sqlnet
Debt Collection	Service Interface and Integration	Integration	Middleware	Sqlplus, Sqlnet
Expense Management	Service Interface and Integration	Integration	Middleware	Sqlplus, Sqlnet
Internal Controls	Service Interface and Integration	Integration	Middleware	Sqlplus, Sqlnet
Payment / Settlement	Service Interface and Integration	Integration	Middleware	Sqlplus, Sqlnet
Billing and Accounting	Service Interface and Integration	Interoperability	Data Format / Classification	Oracle Database
Credit / Charge	Service Interface and Integration	Interoperability	Data Format / Classification	Oracle Database
Currency Translation	Service Interface and Integration	Interoperability	Data Format / Classification	Oracle Database
Debt Collection	Service Interface and Integration	Interoperability	Data Format / Classification	Oracle Database
Expense Management	Service Interface and Integration	Interoperability	Data Format / Classification	Oracle Database
Internal Controls	Service Interface and Integration	Interoperability	Data Format / Classification	Oracle Database
Payment / Settlement	Service Interface and Integration	Interoperability	Data Format / Classification	Oracle Database
Billing and Accounting	Service Interface and Integration	Interoperability	Data Types / Validation	Oracle Database Schema
Credit / Charge	Service Interface and Integration	Interoperability	Data Types / Validation	Oracle Database Schema
Currency Translation	Service Interface and Integration	Interoperability	Data Types / Validation	Oracle Database Schema
Debt Collection	Service Interface and Integration	Interoperability	Data Types / Validation	Oracle Database Schema
Expense Management	Service Interface and Integration	Interoperability	Data Types / Validation	Oracle Database Schema
Internal Controls	Service Interface and Integration	Interoperability	Data Types / Validation	Oracle Database Schema
Payment / Settlement	Service Interface and Integration	Interoperability	Data Types / Validation	Oracle Database Schema
Billing and Accounting	Service Interface and Integration	Interoperability	Data Transformation	Sun JVM, Microsoft JVM
Credit / Charge	Service Interface and Integration	Interoperability	Data Transformation	Sun JVM, Microsoft JVM
Currency Translation	Service Interface and Integration	Interoperability	Data Transformation	Sun JVM, Microsoft JVM
Debt Collection	Service Interface and Integration	Interoperability	Data Transformation	Sun JVM, Microsoft JVM
Expense Management	Service Interface and Integration	Interoperability	Data Transformation	Sun JVM, Microsoft JVM

Internal Controls	Service Interface and Integration	Interoperability	Data Transformation	Sun JVM, Microsoft JVM
Payment / Settlement	Service Interface and Integration	Interoperability	Data Transformation	Sun JVM, Microsoft JVM
Billing and Accounting	Service Interface and Integration	Interface	Service Discovery	DNS, TNS Names
Credit / Charge	Service Interface and Integration	Interface	Service Discovery	DNS, TNS Names
Currency Translation	Service Interface and Integration	Interface	Service Discovery	DNS, TNS Names
Debt Collection	Service Interface and Integration	Interface	Service Discovery	DNS, TNS Names
Expense Management	Service Interface and Integration	Interface	Service Discovery	DNS, TNS Names
Internal Controls	Service Interface and Integration	Interface	Service Discovery	DNS, TNS Names
Payment / Settlement	Service Interface and Integration	Interface	Service Discovery	DNS, TNS Names
Billing and Accounting	Service Interface and Integration	Interface	Service Description / Interface	API
Credit / Charge	Service Interface and Integration	Interface	Service Description / Interface	API
Currency Translation	Service Interface and Integration	Interface	Service Description / Interface	API
Debt Collection	Service Interface and Integration	Interface	Service Description / Interface	API
Expense Management	Service Interface and Integration	Interface	Service Description / Interface	API
Internal Controls	Service Interface and Integration	Interface	Service Description / Interface	API
Payment / Settlement	Service Interface and Integration	Interface	Service Description / Interface	API

6. Will the application leverage existing components and/or applications across the Government (i.e., USA.Gov, Pay.Gov, etc)? **no**

a. If "yes," please describe. [Not answered]

Part III: For "Operation and Maintenance" investments ONLY (Steady State)

Section A: Risk Management (All Capital Assets)

1. Does the investment have a Risk Management Plan? **yes**

a. If "yes," what is the date of the plan? **Jul 25, 2006**

b. Has the Risk Management Plan been significantly changed since last year's submission to OMB?
no

c. If "yes," describe any significant changes: [Not answered]

2. If there currently is no plan, will a plan be developed? [Not answered]

a. If "yes," what is the planned completion date? [Not answered]

b. If "no," what is the strategy for managing the risks? [Not answered]

Section B: Cost and Schedule Performance (All Capital Assets)

1. Was operational analysis conducted? **yes**
 - a. If "yes," provide the date the analysis was completed. **Feb 22, 2008**
 - b. If "yes," what were the results? **Approved by the CIO.**
 - c. If "no," please explain why it was not conducted and if there are any plans to conduct operational analysis in the future: **[Not answered]**

2.
 - a. What costs are included in the reported Cost/Schedule Performance information (Government Only/Contractor Only/Both)? **Contractor and Government**

2. b Comparison of Plan vs. Actual Performance Table:

Description of Milestone	Planned		Actual		Variance	
	Completion Date	Total Cost (\$M)	Completion Date	Total Cost (\$M)	Schedule:Cost (# days/\$M)	
Operations and Maintenance	Sep 30, 2006	12.55	Sep 30, 2006	12.548	0	0.002
Operations and Maintenance	Sep 30, 2007	13.02	Sep 30, 2007	13.02	0	0
Operations and Maintenance	Sep 30, 2008	13.85	[Not answered]	[Not answered]	[Not answered]	[Not answered]
Operations and Maintenance	Sep 30, 2009	10.01	[Not answered]	[Not answered]	[Not answered]	[Not answered]
Operations and Maintenance	Sep 30, 2010	10.357	[Not answered]	[Not answered]	[Not answered]	[Not answered]